



**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:

Bryan Carlo

Contact Email
Address:

BCarlo@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 5, 2025

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

RE: On-Call Statewide Environmental Services – Cultural Resources

Dear Ashley Buechter:

SCI Engineering, Inc. (SCI) is pleased to submit our Letter of Interest to provide Environmental – Cultural Resources Services under the MoDOT's 2026-2029 On-Call Program. Our experienced team, proven performance, and statewide capacity position SCI to directly support MoDOT's mission to deliver safe, innovative, and reliable transportation solutions.

GENERAL EXPERIENCE

SCI has the in-house capacity and expertise to provide comprehensive Cultural Resource services for transportation-related projects across the state of Missouri. SCI routinely performs the full scope of services identified in the MoDOT work category description including: pre-project consultations, Section 106 notifications, Phase I Cultural Resource Surveys, Phase II National Register Eligibility Testing, Phase III Mitigation / Data Recovery, Historic Architecture Surveys, Construction Monitoring, and Native American consultation services.

With over 47 years of experience, and a team of Secretary of the Interior (SOI) qualified archaeologists, an architectural historian, and a pool of trained archaeological field technicians, SCI delivers turnkey archaeological and historic preservation solutions. We are capable of supporting any phase of project development – from planning through construction. We have completed over 1,000 cultural resource projects in Missouri, consistently supporting federal and state environmental compliance requirements.

PAST PERFORMANCE

SCI's cultural resources team consistently delivers work that aligns with MoDOT's defined tasks for background research, Phase I/II/III investigations, NRHP evaluations, mitigation, and documentation. Our recent transportation projects demonstrate our ability to provide end-to-end compliance support, including Section 106 coordination, Section 4(f) documentation, consultation with Tribal Nations, and preparation of MOA/PA materials for federally funded transportation projects.

I-70 NEPA SIU 2 - Lafayette, Saline, Cooper Counties, MO – SCI provided cultural resource services for the approximately 64-mile corridor along Interstate 70 in Lafayette, Saline, and Cooper Counties in Missouri. SCI conducted a Phase I Cultural Resource Investigation including both archaeological and built environment investigations. The purpose of the archaeological investigation was to identify and delineate archaeological deposits within this corridor. The investigation involved pedestrian survey, shovel testing, visual inspections, and photographic recordation, resulting in the identification of five new archaeological sites and 14 isolated finds, in addition to 73 previously recorded sites. Due to project conditions, a no-collection strategy was employed, with detailed field notes and photographs used to document findings. The built environment investigation included photographic recordation of all structures within the project area and a 100-foot buffer, with five structures eligible for the National Register of Historic Places identified. The results were submitted to the Missouri Department of Transportation upon completion.

I-70 NEPA SIU 1 - Jackson & Lafayette Counties, MO - SCI provided cultural resource services for the approximately 24-mile corridor along Interstate 70 in Jackson and Lafayette Counties in Missouri. The

Study Area (SA) includes a 24.21-mile corridor from east of the I-470 interchange in Jackson County, Missouri to mile marker 39 east of Odessa in Lafayette County, Missouri. The SA includes Interstate 70 and other paved secondary roadways and associated roadside drainage ditches north and south of the interstate. SCI conducted a Phase I Archaeological Investigation to identify and delineate archaeological deposits within the corridor. The investigation involved pedestrian survey, shovel testing, visual inspections, and photographic recordation, resulting in the identification of three new archaeological sites in addition to seven previously recorded sites. Due to project conditions, a no-collection strategy was used, with findings recorded through field notes and photographs. Further investigation was recommended for two sites, and results were submitted to the Missouri Department of Transportation.

St. Francis River Bridge Replacement - Clay County, AR; Dunklin County, MO - SCI conducted a Phase I Cultural Resources Survey ahead of the proposed replacement of Bridge HO927 spanning the St. Francis River in Clay County, Arkansas and Dunklin County, Missouri. The scope of work was determined through close coordination and consultation with the Arkansas Department of Transportation (ArDOT) and Missouri Department of Transportation (MoDOT). Investigations included both archaeological and built environment surveys of project areas on both sides of the St. Francis River. The investigations resulted in the recordation of one previously unrecorded archaeological site consisting of a segment of levee along the St. Francis River, in Dunklin County, Missouri. The archaeological site was not evaluated for the National Register of Historic Places (NRHP). The investigations did not identify any properties eligible for the NRHP. The results of the investigations were detailed in two separate reports, submitted to ArDOT and MoDOT, respectively. Both ArDOT and MoDOT concurred with SCI's recommendations within the reports, and the project was cleared to proceed as planned.

QUALIFICATIONS OF PERSONNEL

SCI's cultural resource team is fully qualified to carry out MoDOT's Environmental – Cultural Resources work category tasks, including background research, archaeological survey, and testing, NRHP evaluations, adverse effects mitigation, and historic structure documentation. SCI's staff includes six Secretary of the Interior Qualified Archaeologists who are qualified to serve as Principal Investigator and/or crew chiefs and have extensive experience executing Section 106 and Section 4(f) documentation for transportation projects. Our team of 15 experienced archaeological field technicians allow for the execution of simultaneous field projects. SCI also maintains an in-house, fully functioning archaeological laboratory. Overall, the current team has more than 100 years of combined archaeological field experience.

Principal Investigator/Project Manager, Senior Archaeologist: Bryan Carlo, M.A. – Bryan Carlo has more than 20 years of archaeological experience including leading and performing Phase I Surveys, Phase II Testing and Phase III Mitigation ensuring compliance with state and federal cultural resource regulations. With over 13 years of experience supporting Departments of Transportation, Bryan has played a key role in managing archaeological investigations for roadway expansions, bridge replacements, and other linear infrastructure developments. He regularly coordinates with DOT personnel, federal agencies, and tribal representatives to streamline compliance and minimize project delays. In addition to leading field crews, Bryan contributes to and authors technical reports that support Section 106 consultation and environmental documentation requirements. Bryan is SOI qualified to direct projects.

Archaeological Crew Chief, Staff Archaeologist: Jacob Province, M.S. – Jacob has more than 10 years of experience as an archaeological field technician across the country. He has considerable experience performing Phase I, II and III archaeological investigations, is SOI qualified to direct projects, regularly authors technical reports and coordinates with clients and federal agencies.

Architectural Historian: Jennifer Wiesner, M.S. - Jennifer is a Secretary of the Interior qualified Archaeologist and Architectural Historian with 7 years of experience in the cultural resource management field. Jennifer has considerable experience conducting historic architecture surveys in both rural and urban environments. She has a solid knowledge of historic urban development, historic building materials, working with Certified Local Government agencies, historic preservation committees, and completing National Register forms and processes.

Field and Laboratory Crew - SCI maintains a fully equipped archaeological laboratory and a staff of trained archaeological field technicians, ensuring capacity for simultaneous statewide task orders. SCI will

expand the staff, if necessary, to meet the needs of each project. SCI will ensure that all additions to the field technician staff will either have completed (or nearly completed) a bachelor's degree in anthropology or a similar discipline or have at least six months' previous archaeological field 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

Alignment with MoDOT Cultural Resources Requirements – SCI is well-versed in MoDOT's procedures for Cultural Resource investigations, including expectations for Phase I surveys, Phase II testing, Phase III data recovery and mitigation, and associated deliverables. Our team prepares documentation consistent with MoDOT's Environmental Procedures Manual, FHWA requirements, and the specific tasks outlined in the Environmental – Cultural Resources category description on page 2 of the solicitation.

Experience Providing Services for Federal Projects - SCI is very familiar with working on sites where federal funds are being utilized by providing cultural resource services for projects funded by the U.S. Army Corps of Engineers, the Federal Highway Administration, the U.S. Department of Agriculture, the Department of Housing and Urban Development, and the U.S. Department of Veteran's Affairs.

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 respond to MoDOT needs fully and efficiently, 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 since our founding in 1978. Our key cultural resource personnel have built professional relationships with the Missouri Department of Natural Resources, the State Historic Preservation Office, the Federal Highway Administration, and with the cultural resource staff at MoDOT.

Strong Knowledge and Understanding of Missouri Transportation Challenges - Several SCI employees are very actively involved in Missouri transportation organizations, have developed strategic relationships and have helped further Missouri's transportation initiatives.

ACCESSIBILITY

Our team is prepared to fully dedicate time, energy, and expertise to meet MoDOT's project expectations. Our clients consistently commend SCI for reliability, schedule adherence, and high-quality deliverables. SCI has provided cultural resource services for the following organizations and invites you to contact them.

REFERENCES

Mark Fisher, P.E.

Garver

MCFisher@GarverUSA.com

913-312-1831

Dan Shane

HR Green

dshane@hrgreen.com

636-519-0990

Aaron Benson

Great River Engineering

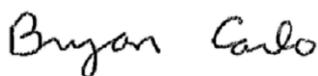
abenson@greatriv.com

417-886-7171

SCI is committed to delivering high-quality, responsive cultural resource services that fully align with the expectations outlined in MoDOT's 2026–2029 solicitation. We appreciate the opportunity to continue serving MoDOT. If you have questions, or would like additional information, please contact me directly at: 618-713-0331 (mobile) or bcarlo@sciengineering.com.

Respectfully,

SCI ENGINEERING, INC.



Bryan M. Carlo, M.A; Senior Archaeologist



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



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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**