



**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:

McClure Engineering Company dba McClure

Firm Contact Name:

Joe Johnson, PE, PTOE

Contact Email
Address:

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Firm's Mailing Address:

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Portsmouth, NH 03801

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**

December 12, 2025

Ashley Buechter, PE
Local Program Administrator
via email: LPAoncall@modot.mo.gov



RE: LETTER OF INTEREST – TRAFFIC ENGINEERING & TEAP

Dear Ms. Buechter:

Maintaining roadways and bridges is essential to the safe and efficient movement of people, goods, and services. At McClure, this belief drives our team of engineers and technicians to deliver timely, reliable, and high-quality solutions across Missouri. McClure brings extensive expertise in traffic safety and operations engineering and related services, with a long history of successful projects, including work for MoDOT and many cities and counties statewide. Our transportation team has successfully completed a wide range of traffic and safety projects—including traffic and safety studies, intersection improvements, vulnerable road user assessments, and roadway safety audits—demonstrating a strong understanding of agency standards and expectations. With a multidisciplinary approach and a history of collaboration with public agencies, McClure consistently provides safe, durable, and cost-effective solutions tailored to each community's needs. Our commitment to excellence is built on three areas of focus:

SAFETY. As the authors of a first-of-its-kind study calibrating and validating the Highway Safety Manual (HSM) crash prediction models, McClure's team has an in-depth understanding of modeling and designing to improve roadway safety. When examining whether to add or remove signals from intersections, our engineers apply HSM models to assess how changes will not only impact the frequency of crashes, but also the type of crashes likely to occur. Then, this data is applied to make recommendations on how best to serve traffic while designing solutions focused on safety.

QUALITY. There are several key elements to McClure's work processes that ensure quality deliverables for our clients: (1) An organized system of project milestone reviews at specific stages for each project; (2) Close communication with clients to establish goals and to review the preliminary and final plans and specifications; (3) A quality improvement program that monitors the quality of our projects using specific criterion in order to improve performance; and (4) A carefully designed digital file management and archive system that securely stores documents relative to each project and allows for quick retrieval and efficient transfer of files among our internal and external project teams, including our clients.

COLLABORATION. As a multidiscipline firm, McClure offers a comprehensive suite of services through an experienced team of surveyors, engineers, technicians, planners, and construction professionals who have worked together seamlessly for many years. This integrated team of complementary skills and talents enables McClure to eliminate the need for multiple project managers, offer consistent communications and produce designs more efficiently for our clients.

PAST PERFORMANCE

McClure's extensive experience working with municipalities, counties, and public agencies has prepared our team to navigate the full range of local, state, and federal requirements. We have delivered successful on-call engineering services for communities of all sizes and understand the unique demands of this work—particularly the need for flexibility, responsiveness, and consistent communication.



RIVERWAY BOULEVARD IMPROVEMENTS – RIVERSIDE, MO – McClure was selected to enhance the functionality and safety of Riverway Boulevard and create an attractive gateway to the community. The project included a traffic study to determine the preferred alternative, leading to full reconstruction from NW Tullison Road to NW Platter Drive, converting it from a rural to urban section. Key improvements include relocating the MO State Highway 9 on-ramp, installing Riverside Drive to connect industrial parks, and adding two roundabouts. McClure also completed environmental and cultural reviews, survey, geotechnical investigation, public engagement, storm sewer and signing design, retaining

wall design, trail and sidewalk design, traffic control, right-of-way design, permitting, and landscaping. The project required extensive coordination with multiple agencies and utility companies due to levee impacts. Construction is scheduled to begin Summer 2026. **This project was federally funded.**



US 63 ALT ROUTE ROAD SAFETY AUDITS – KIRKSVILLE, MO – McClure completed Road Safety Audits (RSAs) for seven locations along the US 63 Alternate Route corridor that runs along the east side of Kirksville. The scope included crash analysis, traffic data collection, field assessments, coordination with the RSA Team, and preparation of the RSA Report. The goal of the RSA was to identify safety concerns and recommend opportunities to eliminate or mitigate those safety concerns. Recommendations were included in the report and presented to the city for short term, mid-term and long term solutions with associated costs. This project was funded through the SS4A grant program.



PASEO & INDEPENDENCE AVENUE GATEWAY REALIGNMENT AND RECONSTRUCTION – KANSAS CITY, MO – McClure led a team with 13 subconsultants, developed a master transportation plan and implemented a combined sewer remediation plan for the 19-block area around the intersection. The project was funded from numerous sources, including a federal grant under MoDOT’s Local Public Agency guidelines, and involved coordination and completion of a Traffic Safety and Operations report for impacts to the I-35 access ramps. McClure worked in tandem with Kansas City University of Medical and Biosciences on the northwest quadrant of the intersection to include

a landscaped stormwater quality basin in the public right-of-way. This project greatly improved access for cyclists, pedestrians, and transit users by better connecting neighborhoods, businesses, and the university through the improved intersection. It also removed combined sanitary sewers, added stormwater detention, “smart” technology capabilities, and worked with the art community on developing a “gateway” to Kansas City’s Historic Northeast.



VULNERABLE ROAD USERS MUNICIPAL BUS STOP SAFETY IMPROVEMENTS – VARIOUS LOCATIONS, MA – MassDOT’s Vulnerable Road User (VRU) Assessment found that 41% of statewide pedestrian fatal or serious injury crashes and 34% of statewide bicyclist fatal or severe injury crashes between 2016 and 2019 occurred within 300 ft of a bus stop, despite bus stops only being present on 6% of centerline miles. In an effort to address fatal and severe injury crashes, MassDOT is investing Highway Safety Improvement Program (HSIP) funds into projects at bus stops throughout the state, on both state-owned and municipally owned roadways, that are within 300 feet of a fatal or serious injury

crash or have been identified as having a high risk for fatal and serious injury crashes. McClure is providing both preliminary and final design services for 60 locations throughout Massachusetts to implement systemic safety improvements. Complexity ranges from low (refuge islands, signing, and striping) to high (pedestrian hybrid beacons, roadway reconstruction). McClure completed an extensive data collection effort that included ADA assessments and coordination with local stakeholders and Regional Transit Authorities.

QUALIFICATIONS OF PERSONNEL

With a collaborative approach and strong technical leadership, the McClure team consistently delivers cost-effective solutions that meet MoDOT standards. Their combined expertise and commitment to quality make the team a valuable asset to any roadway design project.



Joseph Johnson, PE, PTOE – Lead Traffic/Safety Engineer: With 27 years of experience in roadway, safety, and mobility design, Joe brings a wealth of expertise to every project. He advocates for prioritizing safety from project inception and believes transportation networks should reflect and enrich community values. His diverse experience includes traffic analyses/simulation, traffic signal design, intersection design, roadway reconstruction, traffic calming, multimodal accommodations, roundabout design, road safety audits, public engagement, and the preparation of plans, specifications, and estimates. Joe has contributed to all project phases and is passionate about delivering equitable, safe, and healthy transportation solutions that enhance communities.



Scott Port, PE – Vice President of Transportation: Scott serves as McClure’s Vice President of Transportation with more than 19 years of experience. Along with providing quality assurance and quality control, Scott brings strong technical and management skills with experience that includes urban and rural roadway reconstruction and rehabilitation projects ranging from local streets to arterial and collector roadways, roundabouts, trails, streambank stabilizations, wetland and detention basins, permeable pavers, intersection widening and reconstruction involving signalization, interstate reconstruction and widening, and interchange reconstruction.



Lisa Vandenberg, PE – Senior Traffic Engineer: Lisa has more than 30 years of traffic engineering experience. Her project involvement has included traffic/transportation engineering, project engineering, planning, project management, signal design (including equipment specifications and special provisions), fiber optic interconnect design, engineering evaluations, report documentation and field implementation. Lisa’s focus is on municipal transportation projects, including work with contractors, suppliers, consultants and governmental agencies.



Mahsa Jafari, PhD – Traffic and Safety Engineer: Mahsa combines academic research and practical engineering expertise to deliver innovative transportation solutions. She specializes in traffic safety modeling, predictive analytics, and transportation planning, with experience as a Traffic Safety Analyst and Research Scientist on projects funded by the Ontario Ministry of Transportation. Her work incorporates advanced methods such as structural equation modeling, neural networks, and machine learning frameworks, supported by proficiency in Python, R, Synchro, Vissim, and ArcGIS. Previously, Mahsa worked as a Transportation Engineer in Tehran, designing public transit networks and conducting network analysis. An active member of TRB’s Safety Performance and Analysis Committee (ACS20), she has authored multiple technical papers and earned recognition including Best Presentation at the 2025 TRB Annual Meeting.

FAMILIARITY/CAPABILITY

McClure brings extensive experience delivering transportation engineering services in accordance with MoDOT standards and specifications, as well as providing on-call services to counties and municipalities of all sizes. We are well-versed in the requirements of federally funded projects, including adherence to applicable federal regulations, guidelines, and reporting standards. Our ability to navigate these compliance requirements ensures that projects meet all federal requirements while maintaining efficiency and quality. We understand the unique demands of this work—particularly the need for flexibility, rapid mobilization, and clear communication—and consistently provide accurate, high-quality results under tight deadlines.

ACCESSIBILITY

As a consultant under an on-call master agreement, McClure plans to serve as an extension of Missouri LPA staff. To be effective in this role, we know accessibility and open communication are key elements of a successful partnership. That’s why we’ve designated Joe Johnson as the primary contact for this area of service, ensuring the Missouri LPA has a clear and direct line of communication with our team. With three offices in Missouri and another just 10 miles from the state border in Lenexa, Kansas, our staff can quickly mobilize for site visits, data collection, meetings, public engagement, and construction observation.



Relationships are tremendously important to us. It is our sincere hope that our letter of interest reflects the importance we place on this opportunity to partner with you. If you have any questions or require additional information, please do not hesitate to contact us.

Sincerely,

Joe Johnson, PE, PTOE, *Project Manager*
603.686.6276
jjohnson@mcclurevision.com

MORE THAN ENGINEERING. MAKING LIVES BETTER.



At McClure, we're driven to make lives better. We think like owners, contractors, developers, managers, stakeholders, and leaders. Engineering your vision to reality. We help you navigate opportunities like funding and building public support for a project. We are always adding value and imagining what's possible. Our engineering and planning expertise includes aviation, bridge, community development, construction observation, development, environmental, landscape architecture, stormwater, structural, survey, transportation, traffic, water, and wastewater.

Since 1956, McClure has grown to a firm of over 270 professionals in fourteen offices located in Iowa, Missouri, Kansas, Massachusetts, and New Hampshire. The McClure team is comprised of civil engineers, structural engineers, land surveyors, landscape architects, LEED Accredited Professionals, Certified Envision Sustainability Professionals, a Professional Traffic Operations Engineer, and an AICP Certified Planner.

We are committed to providing outstanding project delivery services, personal communication, and innovative and cost-effective design. If you've got a vision, we've got the team to bring it to life. When you choose McClure, you're choosing a partner with an unmatched depth of experience, all the specialists you need, and a passion for building great communities. [It's time to get to work.](#)

YOUR VISION. ENGINEERED HERE.

TRANSPORTATION

DRIVING GROWTH IN YOUR COMMUNITY.

Most people look at roads as a means to get from Point A to B. McClure considers transportation as a way to make lives better by connecting people. It's not just about concrete and asphalt. A smart and safe transportation system is an economic lifeline for communities, critical in attracting and retaining talent for businesses. So, while we work like engineers in executing your transportation project—we also think like city managers and developers, looking for ways to increase the impact and return on your investment.

We consider public engagement an essential element of our standard of service on every project. This means we actively listen to comments from our clients, the community, and other stakeholders, so we can understand their questions or concerns. You want to see your community grow and thrive. Our engineers and traffic specialists share your vision, connecting people with prosperity.

WHERE WE MAKE AN IMPACT:

- ADA Compliance
- Asset Management
- Bridge Design and Inspection
- Capital Improvement Plan (CIP) Preparation
- Construction Administration
- Corridor Analysis/Redevelopment
- Geographic Information Systems (GIS)
- Geotechnical Engineering
- Grant Funding Applications
- Institutional Roadway Design
- Intelligent Transportation System (ITS)
- Multimodal Facilities
- Municipal Roadway Design
- Pavement Management
- Pedestrian Trails
- Primary and Non-Primary Highways
- Rail Design
- Right-of-Way Acquisition
- Special Assessment Assistance
- Streetscape and Downtown Revitalization
- Traffic Incident Management Services
- Traffic Operations
- Transportation Planning

BRIDGE

KEEPING PEOPLE CONNECTED AND COMMUNITIES THRIVING.

It's more than a county bridge. It's the road to a better economy. A pathway for kids to get to school. A bond that connects people. With more than 60 years of transportation and bridge engineering expertise, our mission is simple: Keep people connected and communities thriving. We inspect, design, and repair a multitude of bridges, including steel and concrete I-beam, prestressed concrete, metal truss, steel, and concrete culverts, metal arch, and concrete arch structures. Finding the right partner can help you find the right funding in times of limited budgets. That's why we think beyond the specs and the structure. Doing everything we can to keep your community more livable and viable.

WHERE WE MAKE AN IMPACT:

General Bridge Services

- Coatings and Corrosion Consultation
- Conceptual and Preliminary Design
- Construction Administration and Observation
- Feasibility Studies
- Final Design (ASD, LFD, and LRFD)
- Fracture Critical Bridge Inspection
- Load Rating (ASR, LFR, and LRFR)
- Routine Inspection and Condition Evaluation

Inspection, Design, and Repair

- Culverts
- Foundations (Spread and Deep)
- Pre-Stressed Concrete

- Reinforced Concrete
- Retaining Walls
- Seismic Design
- Steel (Plate, Girder, and Wide Flange)
- Truss

Support Services

- Geotechnical Design
- Hydraulics
- Maintenance of Traffic
- Right-of-Way Acquisition
- Roadway
- Safety
- Survey with LiDAR
- Utility

AVIATION

HELPING LOCAL ECONOMIES SOAR.

With five licensed pilots on our team, we not only design and build runways. We pilot them too. McClure has been practicing private aviation since Jon McClure began the firm in 1956. You might say aviation is part of our DNA and culture. And this passion gives us a unique insight into the issues facing airports today. With national and international experience, our team understands various local, state, and federal regulations. We partner with the FAA and state agencies to help you find the funding you need (over the past five years we've obtained over \$80M in grants for our clients). And we'll be there throughout the project, making sure you stay up to date on ever-changing regulations. Our experience in real estate development also allows for a more comprehensive approach to airport expansion or renovation, considering its impact on local property values and opportunities for commercial development. Airports are economic engines; effective development and engineering enhance their role in boosting local tourism and business. Local aviation is vital to business and economies, and essential to moving people, products, and services.

WHERE WE MAKE AN IMPACT:

Airport Planning:

- Statewide System Plans
- Master Planning
- Airport Layout Plans
- Capital Improvement Planning
- Airspace Analysis
- Airport GIS System (AGIS/ADIP)
- Pavement Management

Environmental:

- Categorical Exclusions (CATEXs)
- Environmental Assessments
- Public Involvement

Land Aquisition:

- Exhibit 'A' Property Maps
- Survey, Plats, Legal Descriptions
- Appraisals / Review Appraisals
- Negotiations / Purchase Agreements

FAA and DOT Grant Administration:

- Grant Application Writing
- FAA & DOT Grant Funding Reimbursements
- Financial Reporting
- Independent Fee Estimation

Civil Airside Design:

- Runways, Taxiways, and Aprons
- Airfield Lighting and Navigational Aids
- Airfield Drainage / Stormwater Design
- Aircraft Hangars, Terminals, Snow Removal Equipment (SRE) Buildings

Civil Landside Design:

- Parking Lots & Entrance Roads
- Parking Garages
- Utility Coordination

Airport Construction:

- Construction Management and Administration
- On-site Construction Observation
- Construction Staking
- Materials Testing

Miscellaneous:

- Aircraft Fueling, Fuel Farms, Self-Service Card Readers
- Solar Photovoltaic (PV) Array Systems (ground mounted and roof mounted)

SURVEY

THE FIRST STEP FOR LASTING SUCCESS.

Before land becomes a shopping center, a school, or a roadway, McClure surveyors are there, gathering critical data that becomes the foundation for achieving your vision.

Our team uses a high-tech approach to surveying. Using state-of-the-art surveying and remote sensing technology, we conduct a wide variety of construction, design, and pipeline surveying projects for clients of all sizes. Not just land surveys, but drone surveys and bathymetric surveys too. We analyze the data and deliver it in traditional, plan-view survey drawings, complex BIM models, and renderings. Even drone animations and time-lapse videos of construction sites. The information you receive at the start informs every decision you make along the way. Trust McClure for surveying expertise that ensures the safety and success of your project.

WHERE WE MAKE AN IMPACT:

- 3D High-Definition Scanning (HDS) Surveys
- ALTA/ACSM Land Title Surveys
- Bathymetric Surveys
- BIM Modeling
- Boundary Surveys
- Construction Staking
- Drone (Unmanned Aerial Vehicle or UAV) Surveys: Imaging, Videography, and Photogrammetry
- Renewable Energy Development Surveying Support Services Forensic Scanning
- Legal Surveys—Easements, Acquisitions, Boundary Retracements, Platting
- Route, Alignment Design, and Plan Preparation
 - » Preliminary, Routing, Staking, and As-Built
 - » Oil, Gas, and Products Pipelines
 - » Electric Transmission
- Topographic Surveys

STRUCTURAL

HELPING BUILDINGS STAND TALL AND STAND OUT.

You want to make buildings that make an impact. We can bring your ideas to life. At McClure, we think beyond concrete and steel, creating innovative structures that wow with design. And functionality. We restore buildings to their former glory. And adapt historical buildings to a modern world.

You can rely on us for speed and responsiveness when fast action is critical to the success of your project. And you'll appreciate our ability to anticipate problems before they occur. We think like owners, partners, and entrepreneurs, always looking for better ways to make your vision even better. You want to create livable spaces where memories are made—or kept alive. Let's build on those ideas together.

WHERE WE MAKE AN IMPACT:

- Licensed in 49 States plus D.C.
- Engineer of Record Architectural Services
- Full Building Systems Designed with Cold-Formed Steel (CFS)
- Complex CFS Framing with Radiused Surfaces
- Reinforced Concrete including Precast and Prestressed
- Storm Shelters and Hardened Structures
- Specially Designed CFS Roof and Floor Open Web Trusses
- Non-Bearing CFS Cladding and Wall Systems
- Historic Rehab and Repurposing
- Blast and Progressive Collapse Resistant Structures (D.O.D.)
- Industrial and Manufacturing Structural Services
- Value Engineering Solutions including Design-Build Experience
- Special Analysis – Vibration, Instrumentation, Testing, High Seismic, etc.
- Structural Evaluations, Insurance, and Property Assessments
- Peer Reviews and Expert Witness
- Modular and Prefabrication Design
- Building Information Modeling (BIM)
- Apartments and Condos
- Banks
- Dealerships
- Government
- Fast Food and Restaurants
- Hotels
- Retail

OFFICE LOCATIONS

IOWA

ANKENY (HEADQUARTERS)
1535 SW Market Street, Suite 200
Ankeny, Iowa 50023
P 515.512.1361

CARROLL
623 North Carroll Street
Carroll, Iowa 51401
P 712.220.8121

CEDAR RAPIDS
615 5th Street
Cedar Rapids, Iowa 52401
P 319.626.9090

CLIVE
1360 NW 121st Street
Clive, Iowa 50325
P 515.964.1229

CORALVILLE
2229 E Grantview Lane
Coralville, Iowa 52241
P 319.626.9090

COUNCIL BLUFFS
3418 W Broadway
Council Bluffs, Iowa 51501
P 712.454.7691

FORT DODGE
705 First Avenue North
Fort Dodge, Iowa 50501
P 515.576.7155

SIOUX CITY
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