



COVER SHEET

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

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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**

ON-CALL 2026 - 2029 / TRAFFIC ENGINEERING AND TEAP

December 12, 2025

Dear Selection Committee:

Olsson has a proven record of successfully completing roadway projects for Local Public Agencies (LPAs) throughout the State of Missouri, and elsewhere. These projects have been wide-ranging in size, scope, and client type. We know our project diversity and flexibility are our key strengths.

GENERAL EXPERIENCE OF FIRM

In addition to a strong history with MoDOT, our transportation clients include LPAs, neighboring DOTs, class I railroads, counties, and municipalities large and small. Olsson improves communities and meets our clients' needs by providing the full gamut of civil engineering and field services that include traffic, ITS, roadway and bridge design, survey, geotechnical, water resources, environmental permitting, natural resources and planning, public involvement, and landscape architecture.

2,000+ Team Members | 30 Offices | Available Nationwide

TRAFFIC: The wide variety of tasks associated with on-call projects requires a broad range of skills uncommon under one roof in the consulting world. However, Olsson's traffic and technology team has focused specifically on street lighting, signal timing, signal communications, and traffic studies for the past 20 years. Our team members not only have many years of experience studying and designing these systems, but several have actually worked inside cabinets integrating, configuring, and problem-solving traffic signals. Every member of our team has extensive, cross-disciplinary capabilities, enabling us to provide you with core services that will address the aspects of any project.



59

Firmwide
Traffic Team
Members

250+

Firmwide
Transportation
Team Members

FAMILIARITY/CAPABILITY

Olsson has been fortunate to develop strong relationships with communities and LPAs over the years. These trusted relationships have provided the opportunity to provide engineering services on many LPA projects, and be selected to provide engineering services under several current on-call contracts. Our firm has and continues to provide consulting services for numerous projects to LPAs throughout Missouri. Our staff are well versed with LPA requirements and successful coordination, and we have numerous staff members who have completed the LPA basic training. As a local consultant, there isn't much Olsson cannot deliver on your projects.

COMMITMENT TO QUALITY: All deliverables will be reviewed by a qualified Olsson staff member not involved in their production, with a detailed process to help achieve clear communication, collaboration, timeliness, constructability, design standards, value, documentation, and conformance with expectations.

ACCESSIBILITY

Olsson serves LPAs all over Missouri from numerous offices including Kansas City, North Kansas City, Chesterfield, Springfield, and Joplin, MO. The Olsson roadway team also has remote staff working from other locations throughout the state. In addition to our normal communication protocols (email & telephone), we have adopted the use of Microsoft Teams for routine communication and utilize Bluebeam for collaboration and tracking production of deliverables. We are flexible and can adapt our communication to the needs of any staff.

QUALIFICATIONS OF PERSONNEL

We have carefully selected an outstanding group of professionals who bring skills, knowledge, and experience necessary to bring success to your projects. Below are bios of our key team members:



**Jeremy Stretz, P.E. PTOE, RSP,
Project Manager**

Jeremy has 14 years of experience. His specialty is traffic safety and operation analysis, signal timing and design, traffic control, and lighting design. Jeremy is focused on developing cost-effective solutions that enhance safety and maximizes user benefits while ensuring projects are realistically constructible.



**Kurt Roterling, P.E., PTOE
QA/QC**

Kurt is Olsson's traffic team leader and he has almost 18 years of experience. Kurt brings his expertise to a wide variety of projects in traffic and transportation engineering including signal and roundabout design, access management, traffic studies, and traffic management. Kurt has worked on a variety of projects for various state DOTs as well as municipalities throughout the Midwest.



**Jacob Berry, P.E., PTOE
Project Manager**

Based in the St. Louis area, Jacob brings 10 years of experience in traffic safety and impact studies. He's STEP-certified and skilled in signal design, signage, pavement marking, and temporary traffic control. His work includes HSM calibration research, RSA project scoping, and implementing TS&O recommendations to improve roadway safety for all users.



**Shannon Jeffries, P.E., PTOE
Senior Traffic Engineer**

Shannon has over 20 years of experience and uses unique engineering techniques to achieve safe and efficient movement of people for functional transportation. Her designs include efficient traffic flow, such as geometry, crosswalks, cycle tracks, traffic signals, and surface markings. She also a wide-range of skills in dynamic traffic engineering elements, like ITS, interconnectivity, and communications.



**Karen Hankinson, P.E. TE
Rail Team Leader**

Karen leads Olsson's rail team, managing rail traffic, public projects, and signal groups. A licensed professional engineer in 29 states, she specializes in highway-rail grade crossing safety and has designed major projects nationwide. Karen also trains railway companies and agencies, and her team supports UPRR and BNSF through systemwide contracts.



**Jim Wingert, P.E.
Senior Roadway Engineer**

Jim has over 20 years of experience in highway, roadway, and drainage design. His expertise in project management, highway and roadway geometrics, interchange design, storm sewer and drainage design, and utility coordination. Jim has been the lead utility coordinator for numerous MoDOT and LPA cost-share projects, including US 160 at AA & CC and Route 152 & Platte Purchase DDI, Route 66/7th Street Reconstruction, and MoDOT Route CC & Main Street Roundabout.



**Josh Pudlowski, P.E.
Traffic Engineer**

With nine years of experience, Josh supports traffic engineering efforts across planning, design, and implementation. He's led nationwide fiber design projects, evaluating impacts, recommending routes, and coordinating with agencies. His expertise includes signal timing, crash prediction, ITS, and safety analysis.



**Jeremiah Connealy, P.E.
Traffic Engineer**

Jeremiah is a traffic engineer with five years of experience, specializing in transit, roadway, ITS, and signal design. He conducts traffic impact studies and contributes to signal, pavement marking, and signing projects.



**Christina Thibodeau, P.E.
Traffic Engineer**

Christina has five years of experience and is involved in traffic impact studies, corridor studies, and circulation plans. She also works on traffic signal designs, signing and striping plans, fiber design, and temporary traffic control.

PAST PERFORMANCE

City of Joplin and MoDOT / Route 66 TS&O and Roadway Improvements Joplin, MO

Olsson is working with MoDOT and the City of Joplin, MO, to implement improvements along a 4-mile stretch of Route 66 (7th Street, from Shifferdecker Avenue to Rangeline Road). The project includes three phases: Phase 1, the Traffic Safety and Operations (TS&O) Study and Concept Report; Phase 2 covers Design Plan Development; and Phase 3 involves Construction Inspection.

Olsson is leading project management, studies, design, and construction inspection. The TS&O Report analyzed current and future roadway performance, safety, operations, access management, and ADA compliance to help achieve accessible and efficient improvements.

MARC / Operation Green Light Kansas City Metropolitan

Under this on-call project, Olsson is responsible for leading many planning and engineering tasks for the regional Operation Green Light (OGL) arterial management program in the Kansas City area. Tasks include completion of, and updates to, a strategic plan, development of a performance management plan, implementation of a traffic responsive pilot, incident management planning and implementation, SMART grant application assistance, and research and recommendation for the upgrade of the communications technology for more than 750 of its connected traffic signals.

Signal Timing Optimization: Efforts include cross jurisdictional coordination and optimization of traffic signal timings on major arterial roadways throughout the region. We collect data, make recommendations for phasing and safety improvements, and help OGL input timing changes using the central traffic management system software. Olsson then fine-tunes the signal timings by making field adjustments during implementation.

City of St. Charles and MoDOT / Regency Parkway St. Charles, MO

Olsson was selected by the City of Saint Charles, Missouri, to lead the Regency Parkway improvement project, spanning approximately 1,900 linear feet from Veterans Memorial Parkway to Zumbel Road. As an LPA project, we are following the LPA process to verify compliance with all state and federal requirements. The project entails a full roadway reconstruction, upgrading the pavement to concrete for enhanced durability and long-term performance. Our services include right-of-way acquisitions, detailed surveying, and geotechnical analysis to establish the roadway's structural integrity. Additionally, we are evaluating potential traffic signal and midblock pedestrian crossing needs to enhance safety. Due to the high traffic volume throughout the day, extensive traffic control measures will be required throughout construction.

Sidewalk TEAP Study Richmond, MO

The City of Richmond, MO engaged Olsson to complete a state and locally funded Traffic Engineering Assistance Program (TEAP) project focused on improving vehicular and pedestrian safety along Camden St. This project will modernize the corridor by closing gaps in sidewalk, improving the roadway section, and addressing intersection safety concerns.

Nation Road and 162nd Street TEAP Study Kearney, MO

The City of Kearney, Missouri, engaged Olsson to complete a comprehensive TEAP study focused on the intersection of Nation Road and 162nd Street. This state and locally funded provided actionable recommendations for intersection improvements that increase safety and capacity.

RAISE Grant BCA Support Ozark Transportation Organization

After completing a corridor study for the City of Republic, Missouri, and MoDOT, Olsson was asked to assist the Ozark Transportation Organization (OTO) in their RAISE grant application for the corridor. Olsson provided traffic analysis, volume information, and cost estimates that were crucial to the Benefit-Cost Analysis (BCA). The project was funded by the MPO.





olsson®

**ENGINEERING
POSSIBILITIES**

WE ARE OLSSON.

We engineer and design solutions that improve the world around us.

While we're known for our work, we're remembered for the impact our work has on the people we serve. We engineer safer rides home from work and school, more efficient buildings that reduce energy usage, and systems that allow you to communicate with loved ones around the clock and around the world. Improving the world has been our mindset from the very beginning, back when Olsson first opened for business in 1956. And it will be true for years to come.

We're a people-centric firm, so it's no surprise our greatest asset is our employees. The impact this creates is an environment that encourages our people to grow and be creative with their talents. As a company, we promise to always be responsive, transparent, and focused on results – for our people, our clients, and our company. Our approach creates a culture that is uniquely Olsson. It allows us to grow our people as we grow our business. This, in turn, creates a lasting impact on the world around us.





ENR
TOP 500
DESIGN FIRMS
2025

olsson
#74

WHO WE SERVE

TRANSPORTATION

- Aviation
- Rail
- Roadway & Bridges
- Traffic & Technology
- Multimodal Systems

WATER

- Conveyance
- Wastewater Treatment
- Drinking Water Treatment
- Water Resources
- Modeling

COMMUNITY

INFRASTRUCTURE

- State
- Local
- Tribal

FEDERAL

- Defense & Security
- Healthcare & Veterans
- Energy & Environment
- Civil Infrastructure
- Natural Resources & Conservation

INDUSTRIAL & MANUFACTURING

- Advanced Manufacturing
- Agricultural Manufacturing
- Consumer Goods Manufacturing

ENERGY

- Power Delivery
- Power Generation
- Thermal Energy

BUILDINGS & FACILITIES

- Commercial
- Education
- Healthcare
- Laboratory
- Residential

DATA CENTERS

- Hyperscale
- Colocation
- Enterprise

TELECOMMUNICATIONS

- Internet Service Providers
- Local Exchange Carriers
- Wireless Carriers
- Long-haul Providers
- Enterprise



WHAT WE DO

CLIENT ADVISORY SERVICES

- Funding Strategy
- Government Affairs
- Program Management
- Strategic Planning
- Strategic Communications & Public Engagement

PLANNING

- Community Planning
- Master Planning
- Transportation Planning

ENGINEERING & DESIGN

- Civil Engineering
- Electrical Engineering
- Geotechnical Engineering
- Mechanical Engineering
- Structural Engineering
- Landscape Architecture

FIELD SERVICES

- Survey / Geospatial
- Nondestructive Testing
- Drilling
- Construction Services
- Materials Testing
- Commissioning

ENVIRONMENTAL

- Natural Resources
- Environmental Planning & Permitting
- Remediation
- Environmental Compliance
- Sustainability & Resiliency



2,000+
TEAM MEMBERS

250+ MISSOURI
TEAM MEMBERS

FIVE MISSOURI
OFFICES