



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 / MULTIMODAL

December 12, 2025

Dear Selection Committee:

Olsson has a proven record of successfully completing multimodal 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
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MULTIMODAL: When you work with Olsson on a rail project, you're working with a national team of railroad experts who have performed work across the United States on a wide variety of projects.

We're a one-stop shop that can address all rail-related needs, including bridge and other structural design, civil/track design, hydrologic/hydraulic (H&H) evaluations, railroad evaluation, complex grade crossing design, geotechnical exploration and evaluations, surveying, utilities coordination/relocation, permitting, construction-phase services, emergency response services, and public projects review. **Our team is currently on MoDOT's LPA Multimodal Planning on-call from 2023-2026.**

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 projects have featured everything from new and second mainline tracks, universal crossovers, sidings, industrial spurs, transload facilities, yard modifications, and intermodal/auto facility expansions. Olsson can handle any new track or terminal project.

Our relevant service capabilities include:

- Conceptual Layouts & Master Planning
- Site Layout & Turning Movements
- Siding, Mainline, & Industrial Improvements
- Intermodal & Automotive Facility Design
- Classification & SIT Yard Design
- At-grade Crossing Design
- Automated Gate Systems, Fencing, & Security
- Stormwater & Detention/Retention Design
- Parking & Container Storage Configuration
- Underdrain & Drainage Systems Design
- Industrial Track Design
- Construction Phasing
- Pavement Evaluation, Design, & Management
- Peer Review
- Pavement Markings & Signage
- Rail Signal Preemption & Training

ACCESSIBILITY

Olsson serves LPAs all over Missouri from our regional headquarters in Overland Park, KS, as well as from our offices in 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:



Ryan Kosola, P.E.
Rail Sector Leader

Ryan, with nearly 25 years of experience, specializes in serving Olsson's Transportation and Class I railroad clients. His expertise covers project management and design for railroads, urban and rural transportation projects, hydrologic and hydraulic analysis, floodplain permitting, and construction observation. He has managed a diverse range of projects for Class I railroads, including sidings, mainlines, yards, road crossings, and industrial tracks



Justin Mohlman, P.E.
Rail Senior Project Manager

Justin, a seasoned project manager with over 25 years of experience, specializes in complex track and terminal design for Class I railroads, including capacity improvement, industrial facility, and railyard expansion projects. His expertise covers a wide range of engineering areas, from track and terminal design to construction observation.



Lance Kippen, P.E.
Rail Group Leader

Lance, a professional engineer with over 25 years of rail industry experience, excels in project management, client collaboration, and government agency coordination. He has a track record of meeting project schedules and budgets. Lance's expertise is demonstrated through his work on public projects for Union Pacific Railroad (UPRR) since 2013, where he possesses in-depth knowledge of UPRR procedures, design requirements, agreements, and construction guidelines.



Matthew Lemmerman
Rail Team Leader

Since his engineering career began in 2013, Matt has specialized in railroads. His experience covers construction, structural design, inspections, and ongoing support as an embedded consultant at UPRR. At Olsson, he's managed various Class I rail franchise projects, involving utilities, underpass structures, overhead structures, levees, floodwalls, and significant flood control initiatives impacting railroad operations.



John Harpham, P.E.
Senior Project Manager

John is a professional engineer with 19 years of expertise in railroad construction, expansion and capacity improvements. He has helped guide several projects successfully through design and construction. His railroad project experience includes mainline capacity improvements, rail-served industries, shoofly and grade separations, intermodal facilities, auto facilities, commuter, and high-speed rail.



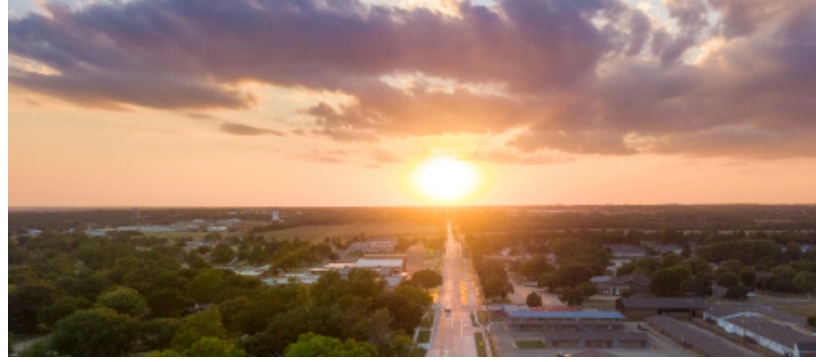
Travis Bailey, P.E.
Rail Group Leader

Travis, a highly experienced transportation professional, brings 22 years of design and traffic analysis expertise to Olsson. He specializes in complex railroad crossing reviews for UPRR and BNSF, focusing on safety and efficiency. Travis has also contributed to rail/transit projects nationwide.



WORKFORCE DIVERSITY

At Olsson, we promote diversity and inclusion to provide our employees and clients with a successful and thriving environment. Encouraging full inclusion of ideas and skill sets from employees with different backgrounds allows us to bring better solutions to our clients and our firm. We work with a variety of Disadvantaged Business Enterprise (DBE) firms that are MoDOT certified.



PAST PERFORMANCE

BNSF / Railroad Interconnected and Non-Interconnected Grade Crossing Reviews

System-wide

Olsson staff began providing traffic engineering support to BNSF in 2015 while under previous employment and currently provide ongoing support for interconnected and non-interconnected grade crossing reviews. We currently have hundreds of crossings in various stages of review. Olsson's support of BNSF includes attendance at diagnostic reviews, participation in design coordination meetings, and review of designs and preemption calculations. This work is essential to the successful project completion and acceptance by BNSF. Olsson is also supporting BNSF at cutovers for interconnected crossings. This involves collaboration with the BNSF construction team and the agency to provide readiness for the final interconnection of systems, controller testing for traffic signal preemption operations, and cutover testing for system implementation. We maintain monthly updates and meetings with BNSF Public Project Managers to support overall project success.

MoDOT / Siding Improvements Kingsville and Knob Noster, MO

The Kansas City-St. Louis railroad corridor, known as the Missouri River Runner route, currently hosts two daily state-supported passenger round trips. This existing UPRR mainline is experiencing congestion resulting in delays to Amtrak service. The Kingsville and Knob Noster sidings were identified as potential areas that could improve Amtrak reliability and freight flow. MoDOT, funded by FRA High-Speed Intercity Passenger Rail Program under ARRA, enlisted Olsson to perform an extensive alternatives evaluation. To help identify preferred locations for critical improvements. Olsson managed project coordination, surveys, hydrologic and hydraulic assessments, track and roadway design, bridge upgrades, and public involvement. Additionally, we handled environmental reviews, securing Categorical Exclusion (CE) documentation under NEPA compliance.

UPRR / On-Call Public Projects Review Services System-wide

Since 2017, Olsson has been providing essential engineering and consulting services for the review of third-party public project submittals system-wide on behalf of UPRR Structures department. These projects encompass a wide spectrum, ranging from subsurface utilities to railroad bridges. Olsson offers a diverse range of engineering disciplines, including structures, geotechnical, water resources, permitting, track/civil, electrical, survey, and signal, among others. Our efforts are dedicated to safeguarding and preserving UPRR's franchise. Olsson currently represents UPRR in the following states: Arkansas, Arizona, Colorado, Illinois, Iowa, Kansas, Louisiana, Minnesota, Missouri, Nebraska, New Mexico, Oklahoma, Texas, Utah, Wisconsin, and Wyoming.

Notable projects within the UPRR on-call include the following:

- USACE Kansas City Levee Project (ongoing). Kansas City, Kansas
- Elgin O'Hare Western Access (EOWA) Project (ongoing). Chicago, Illinois
- UPRR/Metra North Line Project (ongoing). Chicago, Illinois
- California High-Speed Rail Project (ongoing). Fresno, California

BNSF / Twin Cities Division Grant Support Minneapolis, MN

Olsson is a trusted partner to assist BNSF's Twin Cities Division in providing project identification support, covering both internal BNSF initiatives and local/state planned projects. This collaboration is driven by the goal of prioritizing and pursuing federal funding opportunities, with a focus on locations and projects that offer public and private benefits.



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