



## COVER SHEET

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

Firm's Full Legal Name: Olsson, Inc.

Firm Contact Name: Grant Luckenbill

Contact Email Address: gluckenbill@olsson.com

Firm's Mailing Address: 1301 Burlington Street  
North Kansas City, MO 64116

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**

Missouri Department of Transportation (MoDOT)  
Local Public Agency (LPA)

## ON-CALL 2026 - 2029 / STRUCTURES

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

Our transportation clients include LPAs throughout Missouri, MoDOT, neighboring DOTs, class I railroads, counties, and private clients 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



**STRUCTURES:** Olsson has successfully completed dozens of bridge replacement, rehabilitation, and widening projects for Missouri LPA's over the last decade. These projects have consisted of arterial expansions, interchange modifications, rail and roadway grade separations, and rural stream crossings. Our recipe for success is not simply generating constructible designs, but delivering solutions that align with our clients' expectations for value, consistency, and reliability.

Our team is currently serving LPAs through the 2023-2026 structures on-call. Our organization brings trusted expertise to support all facets of any potential task order that we may encounter on this on-call. Our professionals provide a wide latitude of capabilities to effectively engage and assist Missouri municipalities.

### 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, including bridge and structures design for several metro and rural area counties that have continued for many years. We also have a dedicated team of professionals that regularly assist our LPA clients with obtaining grant funding at both the state and federal levels as well as setup local economic development tools. These tools have consisted of CID's and assistance with structuring bonds to fund significant infrastructure improvements.

We have the expertise to assist with condition assessments using FHWA-certified field inspectors, material testing (including NDT), design of rehabilitations and widenings, redecks, replacements, and can complete necessary geotechnical investigations with in-house drilling services.

We understand that this on-call is useful for designing smaller structures, conducting routine bridge maintenance, as well as triage important bridge condition challenges as they arise. We have built our team around servicing all of these areas and are ready and capable to meet your needs. Our past project experience illustrates our capability to assist with these situations, where we have assisted with a multitude of bridge overlay projects, assessed and designed repairs for collision damage, provided temporary fixes while long term solutions are sought, and addressed challenging bridge retrofits.

Our local bridge resources are made up of six dedicated bridge specialists, two senior bridge inspectors, and two H&H specialists. We typically design 10-12 new or modified bridge projects, 10-15 culverts, and several retaining walls each year. Our local team is supported by a wide array of environmental, survey, roadway, and geotechnical professionals as well as three additional bridge teams in Lincoln, Omaha, and Oklahoma that can assist when resources are limited.

## 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:



**Grant Luckenbill, P.E. / Project Manager & Structural Engineer**

Grant brings 17 years of experience and has worked extensively with

Missouri LPAs and MoDOT, delivering a wide range of bridge replacement and rehabilitation projects. This experience includes managing and producing designs for stream crossings, grade separations on minor and major routes, and numerous bridge rehabilitation and widening projects for MoDOT. Most recently, Grant led the bridge efforts on the East Locust Creek Reservoir project, which featured four new stream and lake crossings, five bridge rehabilitations along the I-29 corridor for MoDOT, and a new interchange for Lee's Summit that utilized MoDOT cost share.



**Kristen Stehl, P.E. / Project Manager & Structural Engineer**

Kristen has 10 years of experience and has assisted with the design of dozens

of bridge projects for LPA clients and MoDOT. These projects have included a wide variety of simple and complex prestressed concrete bridges, slab bridges, steel plate girder widenings, steel rolled beams, culverts, walls, as well as pedestrian bridges. Kristen has regularly served as a lead bridge designer and is extremely well versed in MoDOT's design practices and standards.



**Lauren Kitchen, P.E. / Structural Engineer**

Lauren is a structural designer on Olsson's bridge team with five years of experience. She has worked extensively on LPA and MoDOT bridge projects and assisted with the design of all components of multi-span prestressed girder bridges, retaining walls, slab bridges, steel rolled beams and plate girders, bridge inspections, and box culvert structures.



**Eric Shelton, P.E. CFM / Hydrology & Hydraulics Engineer**

Eric is a certified floodplain manager with 14 years of experience in floodplain modeling, floodplain mapping, and coordination of flood map revisions with FEMA. He specializes in hydraulic/hydrologic design and analysis, ensuring efficiency in water resources projects. He frequently works on storm sewers, bridges, culverts, open channels, stormwater reservoirs, regional detention basins, and water quality BMPs. He regularly works with our bridge team by assisting with the H&H design, concept studies, and floodplain permitting.



**Andrea Jones / Senior Technician**

As a senior technician with 27 years of diverse experience, Andrea brings a seasoned perspective to complex drafting and design assignments. She collaborates closely with technical staff, helping achieve project goals through creative problem-solving and practical decision-making. Andrea's expertise includes AutoCAD, Microstation, and GIS data collection, which support efficient and accurate project delivery.



**Terry Stowell / Bridge Inspector**

Terry brings more than 40 years of experience in bridge inspection, construction, maintenance, and repair, along with a strong background in safety administration and assessment. He excels at advancing client's goals for getting the most out of their infrastructure, resolving challenges, and fostering relationships. Previously, he worked at MoDOT for over 34 years, 17 of which was in the bridge inspection technician role.



## PAST PERFORMANCE

### MoDOT / Replacement of I-29 Twin Bridges over Hopkins Creek

#### Near St. Joseph, MO

Olsson provided designs for the rapid replacement of a pair of bridges on I-29 over Hopkins Creek (J113109) and an abandoned track bed for KCS Railroad, as well as roadway improvements for a pair of bridge overlays over Route T (J113241). This project came about due to the discovery of rapid deterioration of pin and hanger joints on the existing steel bridges. This project replaced the 380-foot and 353-foot long bridges, widened the approach roadways, improved storm drainage, upgraded the guardrail and barrier curbs, and included the design of temporary median crossovers. Olsson completed the design of these projects on an accelerated timeline of less than five months from the notice-to-proceed.

### On-Call Projects

#### Midwest

Our bridge division at Olsson has been involved with many municipal, county, and statewide on-call contracts that have lasted several years. Olsson's structural engineers currently support the bridge on-calls with MoDOT, KCMO, Springfield, Joplin, Leavenworth County, and Jackson County, Missouri. We also assist with a wide variety of bridge repair, inspection, plan review, and bridge improvement projects via our on-calls with Oklahoma Turnpike Authority and Nebraska Department of Transportation. We understand that timeliness, efficiency, and a thorough understanding of the LPA process are key to being successful. Our team has completed numerous bridge-only and full-service design projects (road, bridge, traffic, geotech, survey, etc), as well as projects with varying degrees of service line support that allows us to drop into a project and deliver what you need in a seamless fashion.

### Jackson County / RCB Replacement on Ryan Road

#### Jackson County, MO

Olsson was retained by Jackson County via its on-call contract to evaluate and design a replacement structure due to the age and extent of damage inflicted to it from a vehicle collision. This structure is located on a collector roadway that is not centered within the existing road's right of way. Our concept study contained a summary of our hydrology and hydraulic analyses, culvert and bridge alternatives, anticipated project costs, and a recommendation for which alternative would best meet the county's goals. Olsson designed a new RCB with flared wings and an apron to provide protection to the structure, since it is immediately downstream of the confluence of two channels. Temporary and permanent easements were obtained to accommodate access and utility relocations. This RCB replacement was completed in 2023 using local funds.

### City of Raytown / 83rd Street Bridge

#### Raytown, MO

The City of Raytown retained Olsson to design a replacement of the five-span 83rd Street Bridge over White Oak Branch due to its age and poor condition. After inspecting the existing bridge and retaining walls along the approaches, we prepared a preliminary engineering study for repairs and replacement options and presented it to the Board of Aldermen. The new 133-foot bridge was built using a mix of local and federal funding and contains two lanes of traffic, striped bike lanes, and a pedestrian sidewalk. The existing approach retaining walls were rehabilitated and lengthened, and storm drainage improvements were installed along the approaches to reduce roadway flooding. Since the bridge is located close to Raytown South High School, it handles buses, vehicles, bicycles, and students on foot.





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