



**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:

H.W. Lochner, Inc.

Firm Contact Name:

Mark Johnston, PE

Contact Email
Address:

mjohnston@hwlochner.com

Firm's Mailing Address:

15717 College Blvd.,

Lenexa, KS 66219

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

MoDOT Central Office - Local Program
105 West Capitol Avenue
P.O. Box 270
Jefferson City, Missouri 65102

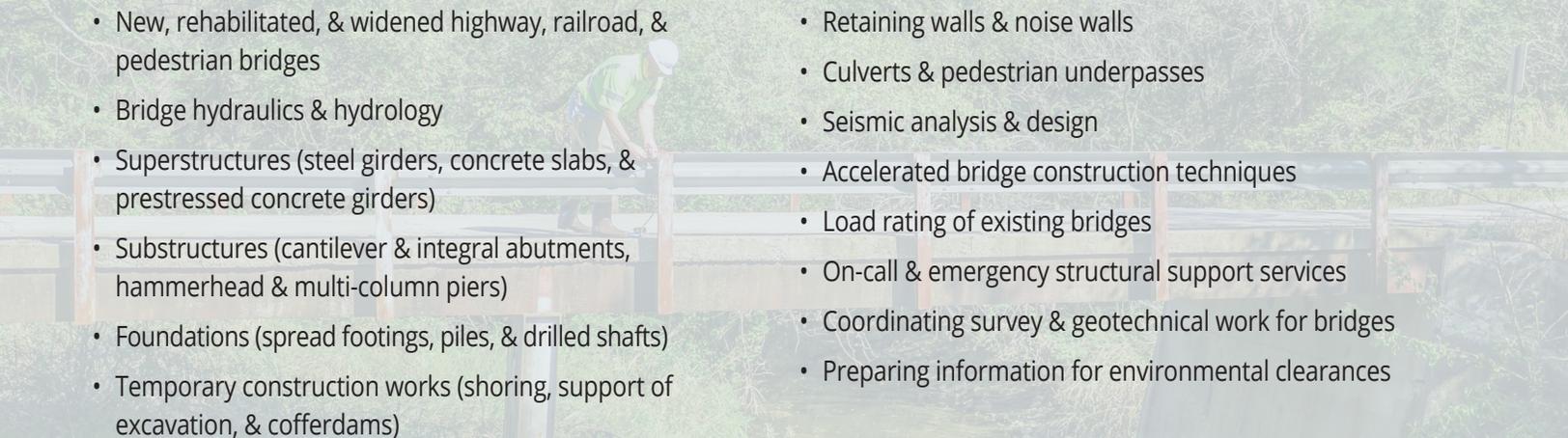
RE: Missouri's LPA On-Call Professional Services - Structures

For the Missouri Local Program's 2026-2029 On-Call solicitation, Lochner seeks to submit our qualifications for the [Structures Work Category](#). As an approved, prequalified structures consultant, Lochner looks forward to continuing our successful relationship with Local Public Agencies (LPA) by providing these services from our Kansas City Metro office.

GENERAL EXPERIENCE OF THE FIRM

Founded in 1944, Lochner is a transportation engineering firm headquartered in Chicago, IL, with 1,200 professionals across 48 offices in 22 states. Our Kansas City Metro office has been in service since 1957 and we employ more than 55 professionals comprised of transportation engineers, construction specialists, and technical and administrative support staff. In addition to our local bridge design staff, Lochner has an in-house network of bridge-related engineering experts that can bring national experience to local challenges.

In addition to serving the Missouri Department of Transportation (MoDOT), our bridge design experience includes providing services for municipal government agencies, other state DOTs, railroads, contractors, and private developers. Lochner's relevant bridge design services include:

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- New, rehabilitated, & widened highway, railroad, & pedestrian bridges
 - Bridge hydraulics & hydrology
 - Superstructures (steel girders, concrete slabs, & prestressed concrete girders)
 - Substructures (cantilever & integral abutments, hammerhead & multi-column piers)
 - Foundations (spread footings, piles, & drilled shafts)
 - Temporary construction works (shoring, support of excavation, & cofferdams)
 - Retaining walls & noise walls
 - Culverts & pedestrian underpasses
 - Seismic analysis & design
 - Accelerated bridge construction techniques
 - Load rating of existing bridges
 - On-call & emergency structural support services
 - Coordinating survey & geotechnical work for bridges
 - Preparing information for environmental clearances

FAMILIARITY/CAPABILITY

Lochner's bridge team has designed federally-funded bridge projects in all seven MoDOT Districts. Around the state, we have designed bridge types including straight steel girder bridges (6), curved steel/prestressed girder bridges (5), prestressed concrete box beam and I-girder (15), and concrete slab bridges (8). We have also designed one prestressed I-girder railroad bridge for MoDOT. Other projects we have completed include redecking with widening of steel girder bridges (9), pin and hanger joint retrofits/removals (4), redecking a truss bridge, and rehabilitation of 42 other bridges.

Our bridge design team is strengthened by our expertise in the inspection of in-service bridges and bridge load ratings. Seven of the bridge design engineers in our Kansas City Metro Office are FHWA-qualified bridge inspection team leaders. We have performed thousands of routine, elemental, fracture critical, and ultrasonic bridge inspections in Missouri, Kansas, Oklahoma, and Texas on timber, masonry, concrete, and steel bridges. In the past 10 years, we have load rated over 3,500 bridges in Kansas, Oklahoma, Texas, and Indiana using AASHTOWare BrR and other software. Since 2023, Lochner has been providing in-service

highway bridge load rating services to MoDOT on both a routine bridge contract and a large/unusual bridge contract. We utilize MoDOT Bridge Division load rating methodologies and BrR preferences. By Summer of 2026, we will have completed 500 on-system routine bridge load ratings along with 13 on-system large/unusual bridge load ratings.

Our experience with a wide variety of bridges, combined with observations of deficiencies caused by age, weather, and inadequate detailing, enhances our designers' awareness of the long-term impacts of their design and detailing decisions, ultimately making them better bridge designers. As part of our training process, our bridge designers participate in construction management and oversight. Most have served as resident engineer during the construction of bridge replacement or bridge rehabilitation projects that they have designed. We believe that giving designers the opportunity to observe contractors assembling a bridge from the plans they created provides invaluable insight into constructability and fosters more practical, effective design solutions.

Lochner's Kansas City Metro office is strengthened by the firm's 81 years of bridge and transportation history. We currently have more than 70 bridge engineers firm-wide, and we often share work between offices. This allows us to take advantage of the expertise gained on hundreds of projects in many different locations, including accelerated bridge construction techniques. Lochner bridge designers have produced projects where complete bridge spans were constructed off-site and rolled into place. We have also done lateral bridge move projects.

Many of our bridge designers have experience with all aspects of design-build projects. We have participated on the contractor side as lead and assistant designer, as well as the owner's side in advisory roles to set up and manage projects, in addition to participating as the Independent Engineer to review developer design submittals and construction.

QUALIFICATIONS OF PERSONNEL

Lochner will perform bridge design services for this on-call contract under the leadership of **Mark Johnston, PE**. Mark is a bridge/structural design expert who leads our bridge team in the Kansas City Metro office. Once an on-call project need is identified, Mark will assign a project manager (PM) and assemble a team of professionals who have successfully completed similar projects. Team size will vary depending on the project's complexity and schedule.

Lochner's PM will coordinate with the MoDOT PM and direct the efforts of the project team. Our team's diverse experience and backgrounds will provide a variety of insights during the design of the projects. Team members available to work on this project, along with their years of experience and expertise, [are shown in Table 1 to the right.](#)

PAST PERFORMANCE

Lochner recognizes the importance of a project is not always reflected in its size. Often, important issues may require only a small effort, but must be addressed quickly. **Our staff is accustomed to providing on-call services to clients.**

In addition to MoDOT Bridge Design, we currently have contracts for on-call services for MoDOT Fracture Critical Bridge Inspection; Kansas Department of Transportation (KDOT) Engineering; City of Kansas City, MO, Structural Engineering; and City of Overland Park, KS, Structural Engineering.

	Years of Experience	Bridge Design	Cost Estimating	Hydraulics	Bridge Rehabilitation	Bridge Inspection	Project Management
Mark Johnston, PE	35	✓	✓		✓	✓	✓
Glen Steffan, PE	47	✓			✓	✓	✓
Keith Wetter, PE	40	✓	✓		✓	✓	✓
Mark Sturrock, PE	39	✓	✓		✓	✓	✓
Dana Augustine, PE	38	✓	✓		✓	✓	✓
Lance Peterman, PE, SE	35	✓					✓
Robert Hong, PE, SE	31	✓	✓		✓	✓	✓
Andy McKenna, PE, CFM	30			✓	✓		✓
Mark Hartegan, PE	29	✓	✓		✓	✓	✓
Tom Thompson, PE, SE	19	✓		✓	✓	✓	✓
Josh Gamage, PE	18	✓		✓	✓	✓	
Patrick Keenan, PE, SE	17	✓	✓		✓		
Derrick Scullion, PE, SE	17	✓					
David Mirosław, PE	15	✓		✓	✓	✓	
Jared Groves, PE	9	✓			✓	✓	
Nathan Clark, PE	8	✓			✓	✓	

Table 1 | Qualifications of Key Personnel.

Some of Lochner's recently-completed bridge projects [are shown in Table 2 below](#). Many of the projects Lochner has completed for LPAs, and for the DOTs in Missouri, Kansas, and Oklahoma, utilized federal funding and followed federal guidelines. Several of these bridges also had tight time frames, which Lochner always met.

Project Name	Client/Location
I-44 WB over MO43/86 Bridge Redecking	Newton County, MO
Missouri Route AF over Beaver Creek Bridge Replacement	Wright County, MO
Missouri Route D over BNSF Railroad	Phelps County, MO
Missouri Route EE over Salt Branch Bridge Replacement	Saline County, MO
Missouri Route B over Marais des Cygnes River Bridge Replacement	Bates County, MO
2023-2026 Routine and Complex Bridge Load Ratings	MoDOT, Statewide, MO
I-44 EB and WB over Hooker Branch Bridge Repairs	Pulaski County, MO
I-44 EB over Roubidoux Creek Bridge Repairs	Pulaski County, MO
Missouri Route 127 over Robertson Creek Bridge Replacement	Saline County, MO
Missouri Route B over Bates County Drainage Ditch Bridge Replacement	Bates County, MO
Missouri Route 122 Bridge over Muddy Creek Bridge Replacement	Saline County, MO
I-49 over the MNA Railroad Bridge Replacement	Vernon County, MO
2022-2025 Statewide Off-System (NSTM) Fracture Critical Bridge Inspection	MoDOT, Statewide, MO
Missouri Route 41 Bridge over Muddy Creek Bridge Replacement	Saline County, MO
Missouri Route J over First Creek Bridge Replacement	Gasconade County, MO
I-35 Viaduct over Southwest Boulevard Deck Replacement	MoDOT, Kansas City, MO
2021 Bridge Repair Program (11 Bridge Repairs)	City of Shawnee, KS
83th Street Bridge over Sunflower Railroad Spur Bridge Replacement	City of De Soto, KS
2021 Biennial Bridge Inspection	Johnson County, KS
2022 Biennial Bridge Inspection	City of Shawnee, KS
2023 Bridge Repair Program (6 Bridge Repairs)	City of Shawnee, KS
2021 Biennial Bridge Inspection	City of De Soto, KS
2022 Biennial Bridge Inspection	City of Overland Park, KS
(NSTM) Fracture Critical Bridge Inspection I-70 over Kansas River	KDOT, Kansas City, KS
Statewide Off-System Bridge Load Rating Program	KDOT, Statewide, KS
I-35 Mchaffie Road Retaining Wall	Olathe, KS
95th Street Bridge over Kill Creek Bridge Replacement	City of De Soto, KS
Ridgeview Road over Kill Creek Tributary Bridge Replacement	Lenexa, KS

Table 2 | Recent Lochner Structural Experience.

ACCESSIBILITY OF FIRM & STAFF

Mark Johnston, PE, will be your primary point of contact to initiate an on-call project. However, to be more responsive to project needs, LPA staff can communicate directly with their Lochner counterparts once a project begins. Our assigned PM will be available to the LPA for all coordination needs and will direct the Lochner design team during production of their assignments. At the onset of an assigned project, we will provide the LPA with a list of project staff and their contact information.

We look forward to continuing providing on-call structures services to Missouri's LPAs. If you have any questions regarding our qualifications, please don't hesitate reach out.

Sincerely,



Mark Johnston, PE | Vice President | mjohnston@hwlochner.com | 816.945.5840

OUR FIRM

Established in 1944, Lochner is a client-focused, performance-driven and community-minded engineering firm with 48 offices nationwide. We are listed among ENR's top 500 firms, and have a rich history as an innovator in transportation and infrastructure. Lochner employs more than 1,200 civil and structural engineers, urban planners, environmental scientists, design technicians, constructional personnel, and support professionals. Our talented team of specialists includes some of the most respected experts in the industry.

OUR PEOPLE

Our civil and structural engineers, planners, environmental specialists, and inspectors bring the state-of-the art expertise and skills to deliver the valuable services our clients need.

OUR OFFICES

Headquartered in Chicago, Lochner has 48 offices located across the nation. Our Missouri clients are served from our Kansas City Metro office.



OUR COMMITMENT TO OUR CLIENTS

At Lochner, we offer more than just design, planning, construction and inspection services—we become a partner in achieving goals. Working with our team, our clients receive discerning attention to the details that matter most. We work consistently to provide professional services and technical solutions to meet project needs, on schedule and within budget.

OUR SERVICES

Our professionals bring creative, cost-effective solutions to our public and private sector clients through every phase of a project—from planning and design to construction and inspection services. Our professional services include:

- Highway & Roadway Design
- Construction Management & CEI
- Bridge Design & Inspection
- ITS Management, Design, & Operations
- Airport Planning & Design
- Planning & Environmental Studies
- Rail & Transit
- Multi-Modal Planning & Design
- Hydraulics & Drainage Design
- Public-Private Partnership (P3) Services
- Design-Build Services
- Public Involvement
- Utility Coordination & Relocation
- Traffic Engineering & Transportation
- Water & Wastewater

CONSTRUCTION MANAGEMENT & CEI SERVICES

Lochner offers highly qualified construction experts in contract administration, traffic maintenance, safety and construction engineering and inspection troubleshooting. As our clients' lead representative on the project site, we know that it is our job to ensure approved design satisfaction and the availability of solid field engineering to contractors and construction crews throughout the building process.

"I want to thank you for taking care of this for us. I have dealt with many engineers on many projects and those that take care of the reimbursements and things are wonderful. It takes so much off my plate and I don't worry about any of it. So thank you for all of your assistance with this. It's been a pleasure working with you."

- Jackie Pangborn, City Administrator, Monroe City, MO



HIGHWAY & ROADWAY DESIGN

Highway and roadway design—and the planning and construction administration of these projects—make up the backbone of Lochner. As a firm, Lochner has developed the original expressway and bypass plans for more than 30 major cities in the United States. Today, Lochner continues as a well-respected innovator on roadway projects.

"Having worked on projects that involve Lochner's Right-of-Way and Environmental Assessments work, they have performed with the utmost professionalism and integrity while successfully bringing projects to completion."

- Bart Bryant, Chief District Engineer, Kentucky Department of Highway



BRIDGE DESIGN & INSPECTION

Lochner's nationally integrated staff includes engineers and specialists who offer top-notch structural design expertise, from simple to complex structures, including extensive experience on mega-projects. Our proactive approach, responsiveness to the needs of our clients, and construction engineering experience allow us to bring value-added elements to our projects. Lochner provides innovative design solutions utilizing new construction techniques, materials and delivery methods to develop efficient, cost effective structural designs. With experience providing services for state and municipal government agencies, railroads, contractors and private developers.

"Lochner has been a consultant for the City of Independence for many years. The City has always been pleased with the quality of services and professionalism received from Lochner and their team."

- Mike Conway, City Engineer, Independence, KS

TECHNOLOGY

Lochner leverages advanced technologies and proven methodologies to optimize efficiency, safety, and decision-making across every phase of infrastructure projects—from planning and design to operations and maintenance. Our expertise spans asset management, communication systems, drone technology, electrical and control systems, ITS, and 3D visualizations. From capturing and analyzing asset data to deploying intelligent transportation solutions and leveraging aerial and digital tools, we help clients reduce costs, extend asset life, and ensure reliability—delivering smarter, future-ready infrastructure.



PLANNING & ENVIRONMENTAL STUDIES

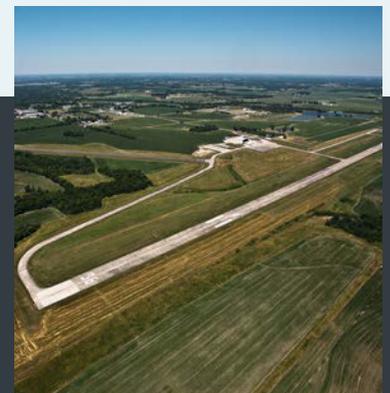
Lochner covers the entire planning and environmental spectrum, from long-range planning to concept plans, feasibility studies, as well as National Environmental Policy Act (NEPA) compliance and support for post-NEPA activities during final design and beyond.

AVIATION ENGINEERING, PLANNING, ENVIRONMENTAL, & CONSTRUCTION

Lochner's knowledgeable aviation staff has a full understanding of airport functions and operations. We have the ability to phase projects and construction services with minimal impact to day-to-day operations. Our work in aviation spans over 40 years. We hold engineering and planning experience covering more than 1,000 projects involving nearly every aspect of airport development, including general aviation, basic transport, reliever, commuter, small air carrier and major hubs.

"While their technical skills are evident, what sets Lochner designers apart is their commitment to do the right thing for the department, the environment and the public."

- Rob Wight, Utah Department of Transportation



Below is a specified breakdown list of each subcategory of services and expertise that Lochner offers.

HIGHWAY & ROADWAY DESIGN

- Design studies
- Context sensitive approach
- Traffic modeling & forecasting
- Traffic signal design
- Design-build services
- Innovative design & technology
- Environmental analysis & documentation
- Public & agency involvement programs
- Alternative analysis
- Multi-phased maintenance of traffic plans
- Construction plans
- Street & pedestrian lighting
- Right-of-way acquisition services
- Trails & Sidewalks

AVIATION ENGINEERING, PLANNING, ENVIRONMENTAL, & CONSTRUCTION

- Airport master plans/layout plans
- Airport design
- Construction services
- Environmental services
- Land acquisition
- Fuel facilities
- Maintenance vehicle acquisition
- Navigational aid design
- Hangars & administrative facilities
- Wildlife assessments
- Municipal, state, federal coordination & funding compliance
- Pavement management/maintenance plans
- Landside design

TECHNOLOGY

- Asset management
- Communication systems
- Drone technology
- Electrical/instrumentation & control systems
- Intelligent Transportation Systems (ITS)
- Visualizations

PLANNING & ENVIRONMENTAL STUDIES

- Community planning
- Public involvement
- Natural systems analysis
- Physical impact analysis
- Human environment analysis
- Database management & documentation preparation
- Development of permit applications
- Context sensitive solutions & design
- NEPA documentation for FHWA, FTA, & FRA
- Program management & oversight
- Rail planning
- Sustainability

BRIDGE DESIGN & INSPECTION

- New, rehabilitated & widened highway, railroad & pedestrian bridges, with complex geometry & staging
- Superstructures (steel box & I-girders, steel & concrete arches & prestressed concrete girders)
- Substructures (cantilever & integral abutments, hammerhead & multi-column piers)
- Temporary construction works (shoring, support of excavation & cofferdams)
- Foundations (spread footings, piles & drilled shafts)
- Retaining walls & noise walls
- Culverts & pedestrian underpasses
- Seismic analysis & design
- Accelerated bridge construction techniques
- Load rating of existing bridges
- Overhead sign & signal support structures
- On-call & emergency structural support services
- Routine & special bridge inspections

CONSTRUCTION MANAGEMENT & CEI SERVICES

- Quality assurance & quality control
- Field inspection & engineering
- Safety, Equal Employment Opportunity (EEO) & Disadvantaged Business Enterprise (DBE) compliance
- Claims analysis
- Materials testing & inspection