



**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.

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Mark Johnston, PE

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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**

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 - Trails & Sidewalks

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

GENERAL FIRM EXPERIENCE

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.**

Our team brings extensive experience collaborating with LPA engineers and a deep understanding of the requirements necessary to deliver successful roadway design projects. Lochner has assembled a highly skilled, multidisciplinary team dedicated to executing projects efficiently under this on-call agreement. We guarantee the capacity and resources to meet all agreed-upon timelines without compromising quality. Time and again, our teams have delivered on schedule while producing plans that not only meet but consistently exceed client expectations.

Our relevant experience includes:

- Over 30 years of serving MoDOT and a proven history of working collaboratively with MoDOT as an on-call engineering consultant.
- Full spectrum of project experience from small LPA maintenance to large-scale \$130M federally funded geometric improvements.

WHY LOCHNER?

- ◇ Firsthand understanding of the challenges commonly faced by Missouri LPAs
- ◇ Over 65 years of serving LPAs and a proven history of working collaboratively with clients as an on-call engineering consultant
- ◇ The depth and breadth of available local experts to deploy resources quickly and provide flexible staffing to meet your needs.

FAMILIARITY/CAPABILITY

Lochner has provided roadway and bridge design service in Missouri since 1957. Some of our more recent project experience included the grading, paving and traffic control plans associated with bridge projects in Saline, Pulaski, and Vernon Counties.

Our team offers a deep bench of experienced professionals to meet the needs of your projects. **Jeff Drees, PE, [serves as your project manager](#)**. His resume includes significant depth of expertise in managing numerous roadway projects with a focus on highway and urban arterial improvements, including a variety of concurrent tasks, large and small teams, and accelerated schedules.

Our approach for providing design services to under this agreement includes the evaluation of each project element, using sound engineering to assess the overall need and delivery of the construction documents for the planned improvements. The fundamental elements will include a start to finish product beginning with the development of the project goals and needs through final plans and specifications to be released for construction.

PERSONNEL QUALIFICATIONS

Lochner brings decades of local experience in roadway and pedestrian path design—including sidewalks and trails—to deliver solutions tailored to your needs and budget. Our team's extensive background in bicycle and pedestrian projects ensures comprehensive design and plan oversight that meets the highest standards.

We are fully versed in MoDOT, ADA, PROWAG, and AASHTO design criteria for pedestrian and bicycle facilities, ensuring compliance and long-term functionality. Our approach is methodical and collaborative: we work with communities to define short- and long-term goals, aligning every investment with those objectives.

Our process begins with detailed data collection, including record drawings, utility information, and right-of-way determination. We then conduct a preliminary field review to

identify unique features and potential conflicts. Following this, a kickoff meeting finalizes project scope, design criteria, and milestone dates.

Once preliminary geometrics are established, we coordinate with utility agencies to address impacts and timelines. We provide preliminary plans and an order-of-magnitude cost estimate for review before advancing to final design. Deliverables include complete plans, specifications, and estimates that meet all regulatory requirements.

Lochner's team is highly experienced in roadway design and construction documentation, ensuring every task outlined in the scope is executed with precision and efficiency project goals and responsive to Missouri LPA's priorities.

Our qualified team members are featured here—ready to support your goals.

Mark Johnston, PE | Principal-in-Charge | Mark has 33 years of transportation experience and will be the primary point of contact for the on-call services. He has served as project manager and principal-in-charge for numerous projects involving roadway and bridge design services.

Jeff Drees, PE | Project Manager | Jeff has 17 years of transportation engineering experience. He specializes in trail and sidewalk design, ADA compliance, and safe multimodal connectivity. Jeff's background in surveying and construction inspection enhances his ability to deliver practical, high-quality designs.

Mike Zorn, PE | Roadway QA/QC Manager | Mike has more than 27 years of civil engineering experience for transportation and site development projects. To ensure high-quality and timely reviews, Mike incorporates Bluebeam software to streamline the review process, allowing real time updates, and eliminating conflicting comments between reviewers.

Kenny Rich, EIT | Roadway Design | With more than 20 years of civil engineering experience, Kenny provides the design of horizontal and vertical alignment, cross sections, concrete and asphalt pavements, signing, pavement marking, and traffic control for roadway projects.

Rex Ritter, PE | Roadway Design | Rex has more than 11 years of experience in roadway design, including storm sewer and drainage structures, culvert design, roadway geometrics,

intersection design, surface/site modeling, temporary traffic control, erosion control, pavement marking, permanent signing, ADA compliance, and quantity and cost estimation.

Marissa Fields, EIT | Roadway Design | Marissa joined Lochner as a full-time engineer in January 2025 after completing a summer internship in 2024. She provides roadway design services for clients in Missouri and Kansas.

Eric Rodriquez, EIT | Roadway Design | Eric has over 17 years of experience as a roadway designer with an extensive background in utilities. He has a diverse resume of projects that include rural highways, urban arterial roads, interstates, interchanges, and bridges.

Chad Lawson, PE | Utility Coordination Relocation Design | 26 years of experience designing utility systems associated with transportation projects. He has considerable experience in all aspects of the project process—planning and conceptual design, preparation of funding applications, design, bidding, and construction phase services.

Brad Lucas, PE | Roadway Design | With 33 years of experience, he specializes in roadway, freeway, ITS, lighting, traffic control, and intersection design, along with traffic analysis and simulation. Well-versed in UDOT, AASHTO, and MUTCD standards, he brings extensive expertise in alternatives analysis, local street and intersection improvements, multi-phase traffic control, construction phasing, and engineering estimates.

PAST PERFORMANCE

Lochner has completed roadway and bridge designs for Missouri LPAs for more than 60 years. For the past 20 years from our Kansas City Metro Office, Lochner has completed design services, as well as prepared construction plans and specifications, for numerous roadways and bridges across the state. Each completed project included a focus on combining practical design with innovative solutions to cut construction costs and reduce time of construction.

KCMO Public Works Department North Brighton Road | Prepared preliminary and final design for two miles of four-lane divided arterial street. This \$26 million project carried traffic through construction and included utility relocations, new water mains, streetlights, ADA compliant sidewalks with respite areas, landscaping, storm drainage, box culvert, and modifications to 15 intersecting side streets and 47 driveways.

KCMO Parks Department Red Bridge Road Complete Street | Performed preliminary engineering, public involvement and final design for converting a half mile segment of two-lane roadway to a divided four-lane facility, including design of five-foot-wide sidewalk, 10-foot-wide multi-use trail, street lighting, upgraded transit stops, landscaping, water main replacement, new and upgraded traffic signals, and improved drainage.

City of Bucklin Main Street Improvements | To improve pedestrian accessibility and safety, Lochner worked with the City to develop a project to replace the existing sidewalk along Main Street and add ADA compliant ramps and improve existing street lighting. Through a Cost Share program, Lochner is preparing design plans to add or replace approximately 5,000 linear feet of sidewalk in order to provide ADA-compliant connectivity throughout the community. The project will add or replace 47 pedestrian ramps, upgrade street lighting and replace school zone signage with crossing signals.

City of Salina Multi-Use Trail Plan | The City of Salina contracted Lochner to create a plan for a loop trail through the central part of town along the Smoky Hill River Corridor. The purpose of the plan was to extend a network through the city and identify potential development concerns, environmental concerns, and land acquisition needs.

Safe Routes to Schools | Lochner designers have produced Phase 1 and Phase 2 Safe Routes to Schools projects for seven communities in Kansas. These projects include studies of sidewalks and ADA facilities around schools and design for the recommended improvements.

ACCESSIBILITY OF FIRM & STAFF

Mark Johnston, PE, will serve as your primary point of contact to initiate any on-call project. To ensure maximum responsiveness, LPA staff will have direct access to their Lochner counterparts once a project is underway.

Project Manager Jeff Drees, PE, will remain fully engaged—coordinating all activities and guiding the Lochner design team throughout production. At project kickoff, we will provide the LPA with a detailed roster of team members, including roles and direct contact information, ensuring seamless communication and accountability from start to finish.

We are excited about the opportunity to provide on-call trails and sidewalk services to Missouri's LPAs. If you have any questions regarding our qualifications, please call us at 816.945.5840.

Sincerely,



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

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

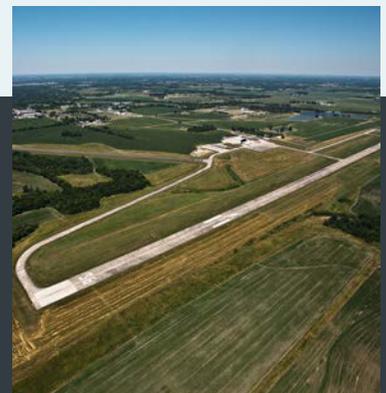
Lochner covers the entire planning and environmental spectrum, from long-range planning to concept plans, feasibility studies, as well as National Environmental Policy Act (NEPA) compliance and support for post-NEPA activities during final design and beyond.

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