

November 15, 2013

Mr. Kenny Voss, P.E., Local Program Administrator
Missouri's Local Program for Community Development
105 West Capitol Avenue
PO Box 270
Jefferson City, MO 65102

Attn: MaryAnn Jacobs

Re: **LPA On-Call Construction Inspection**
Lochner Project No. X00009449

Dear Mr. Voss:

Lochner is pleased to have the opportunity to be placed on the list of prequalified consultants to provide on-call professional services to Missouri Local Public Authorities. Lochner is an approved, pre-qualified consultant, and we are very interested in providing construction inspection services out of our Kansas City office.

Founded in 1944, Lochner is a 500+ person transportation engineering firm headquartered in Chicago, IL with 27 offices in 16 states. Lochner is a one-stop firm for innovative solutions to your planning, design, construction and alternative delivery needs. Our Kansas City office has been in operation since 1957 and has been providing quality services to MoDOT and eastern Missouri for over 50 years. The experience the Lochner team has gained through the years will serve as a valuable asset as we provide these services to Missouri LPAs.

In addition to a staff of engineers and technicians who have extensive experience in performing construction engineering services, we have developed and maintain an inventory of equipment and facilities for use in conducting these services. The firm maintains equipment for on-site testing of soils, aggregates, asphalt and concrete materials during construction, and our inspection personnel are qualified to operate the equipment and perform the various tests.

Services for this on-call contract will be performed under the leadership of Dana Augustine, P.E. Dana serves as the project manager overseeing construction observation and materials testing on ground transportation projects. Through her diverse experiences as an engineer and inspector while at Lochner, she has gained knowledge of plans and specifications that prove to be valuable throughout the construction process. With over 26 years of experience at Lochner, Dana has been involved in the design, detailing and production of numerous projects involving a variety of construction methods. Her construction experience includes new road and bridge construction, rehabilitation of existing bridges, roadway reconstruction, and intersection improvements. Her ability to understand both design and construction issues are an asset during problem-solving and help to keep construction projects progressing.

Once a project is identified, Ms. Augustine will assign a team of professionals who have successfully completed other similar projects. Team size will vary depending on the complexity of the project and the required completion time. The Lead Inspector assigned to the project will coordinate with the LPA Project Manager and direct the efforts of the inspection staff.

The following Lochner inspection personnel have inspection experience on a variety of projects. They have provided inspection services to multiple government entities on a variety of projects.

Qualification of Key Personnel Available	Construction Manager	Lead Inspector	Grading	Paving	Storm Sewer	Bridge	Erosion Control	Concrete Plant Inspection
CONSTRUCTION INSPECTION								
Steve Hileman, PE – 36 years of experience	x							
Dana Augustine, PE – 27 years of experience	x	x	x	x	x	x	x	
Thomas Ballard – 27 years of experience	x	x	x	x	x	x	x	x
Larry Wagner – 20 years of experience	x	x	x	x	x	x	x	x
Mark Hartegan, PE – 18 years of experience	x	x	x	x	x	x		
Chris Flageolle, PE – 13 years of experience	x	x	x	x	x		x	
Travis Rapp, PE – 9 years of experience	x	x	x	x	x	x		
Joshua Gamage, PE – 7 years of experience	x	x	x	x	x	x		
Zack Flageolle, PE – 4 years of experience	x	x	x	x	x		x	
Peter Young, EI – 2 years of experience		x			x	x		
Ronnie Lester - 34 years of experience					x			x
John Casey - 19 years of experience								x

Recent inspection services these staff members have provided for various government entities include:

- Red Bridge Road over Blue River and UP Railroad, Kansas City, Missouri Public Works Department:** Lochner provided the full time construction observation services for replacement of a mile of Red Bridge Road in south Kansas City including an 1,100-foot long prestressed concrete I-girder bridge crossing the Blue River and the Union Pacific Railroad tracks, grading and paving, storm sewer and a water line. The project included a shoo-fly detour and construction phasing to carry traffic through construction. Our scope of services included full time construction observations, limited material testing, quantity documentation and pay estimate review/approval. The construction cost for this federally funded project was \$12.3 million. Construction was completed in 2012.
- Bruce Forrester Viaduct over City Streets and UP Railroad, Kansas City, Missouri Public Works Department:** Lochner provided the full time construction observation services for this street and bridge project in Kansas City’s west bottoms. The project included a 712-foot long steel girder bridge and 2,500 feet of street, storm sewer and water line improvements. Our scope of services included full time construction observations, limited material testing, quantity documentation and pay estimate review/approval. The construction cost for this federally funded project was \$9.7 million. Construction was completed in 2012.
- Jesse P. Vierte, Boonville, Missouri:** In 2002, Lochner designed and oversaw the construction of a partial parallel taxiway for Runway 18-36. In 2013, Lochner prepared plans to extend this taxiway 1,500 feet to create a full parallel taxiway. The project included concrete pavement, base rock, fills up to 30 feet deep, culvert extensions, detailed erosion control plans and specialty seeding plans for steep slopes. In addition to design, Lochner oversaw the survey and geotechnical work, provided assistance during the bidding phase, and will be responsible for construction administration and

observation. Lochner also assisted with administration related to the project's federal grant, prepared the project's stormwater pollution prevention plan, and obtained the land disturbance permit.

- **Sedalia Regional Airport, Sedalia, Missouri:** In 2007, the City of Sedalia obtained a project grant from the Missouri Department of Transportation Aviation Division and Lochner was contracted to provide design services for the reconstruction of 5,000 feet of Runway 18-36 with concrete pavement on lime-treated subgrade. The existing concrete runway pavement was recycled for use in the six-inch concrete base to reduce material costs and minimize the project's environmental impact. In addition to analysis and design, Lochner provided assistance during the bidding phase and will be responsible for construction administration and observation. Lochner also prepared the project's stormwater pollution prevention plan and obtained the land disturbance permit.
- **Limit Street, Leavenworth, Kansas:** Lochner provided LPA-certified construction inspectors for the upgrade of a 2,340-foot narrow two-lane road into a 24-foot wide, two-lane street with curb and gutter, sidewalk, and mixed-use trail. The construction also included a 20-foot span reinforced concrete box bridge that replaced an existing weight-posted structure and a temporary roadway to provide access to local residents during construction. The \$1.2 million project is scheduled for completion this month.

The following projects were recently completed by Lochner under our Kansas DOT On-Call Construction Inspection Agreement.

- 18-81 KA 0410-05 - Riley County, K-18 from Ogden to Manhattan
- 70-27 KA 0728-01 - Ellsworth County, I-70 Russell-Ellsworth County Line East 8.3 Mi.
- 70-27 KA 0730-01 - Ellsworth County, I-70, 0.745 Mi. West of K-14 (E Jct.) East to Ellsworth Co. Line
- 61-59 KA 8253-01 - McPherson County, US-61 McPherson-Reno County Line north to 4-Lane
- 61-59 KA 8253-02 - McPherson County, US-61 McPherson-Reno County Line north to 4-Lane
- 70-85 K 6779-02 - Saline County, I-70 Niles Road Interchange
- 59-2 K 7437-01 - Anderson County, Grading, Bit Surfacing and RC Haunched Slab Bridge
- 69-61 KA 0897-01 - Miami County, Polymer Bridge Overlay of 247th Street over US-69
- 70-85 KA 2816-01 - Saline County I-70 Pavement Marking Project
- 152-54 KA 0197-01- Linn County, Grading, Bit Surfacing and Welded Plate Girder Bridge

Lochner values diversity as an integral part of our business and shares the Missouri Department of Transportation's commitment to diversity, as demonstrated by our maintaining a diverse workplace with women and minorities and by consistently exceeding the DBE goals on our projects. It is the policy and practice of Lochner to ensure equal employment opportunity and we have a written Affirmative Action Plan for females and minorities, Vietnam Era veterans and qualified individuals with disabilities.

We are excited about the opportunity to provide On-Call Construction Inspection Services to Missouri LPAs. If you have any questions regarding our qualifications, please call us at 816-363-2696.

Sincerely,

H.W. LOCHNER, INC.



Steven K. Hileman, PE
Vice President, Senior Transportation Engineer

SKH/rp

OFFICES

New Haven, CT
 Rocky Hill, CT
 Brooksville, FL
 Miami, FL
 Tallahassee, FL
 Tampa, FL
 Boise, ID
 Chicago, IL (Corporate HQ)
 Lisle, IL
 La Porte, IN
 Salina, KS
 Lexington, KY
 Kansas City, MO
 Raleigh, NC
 Newburgh, NY
 Utica, NY
 Oklahoma City, OK
 Thornhill, ON
 Pittsburgh, PA
 Franklin, TN
 Dallas, TX
 Round Rock, TX
 Tyler, TX
 Salt Lake City, UT
 St. George, UT
 Bellevue, WA
 Lacey, WA
 Olympia, WA

Our Firm

Established in 1944, Lochner is an employee owned and operated engineering firm with 27 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 approximately 500 civil and structural engineers, urban planners, environmental scientists, design technicians 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.

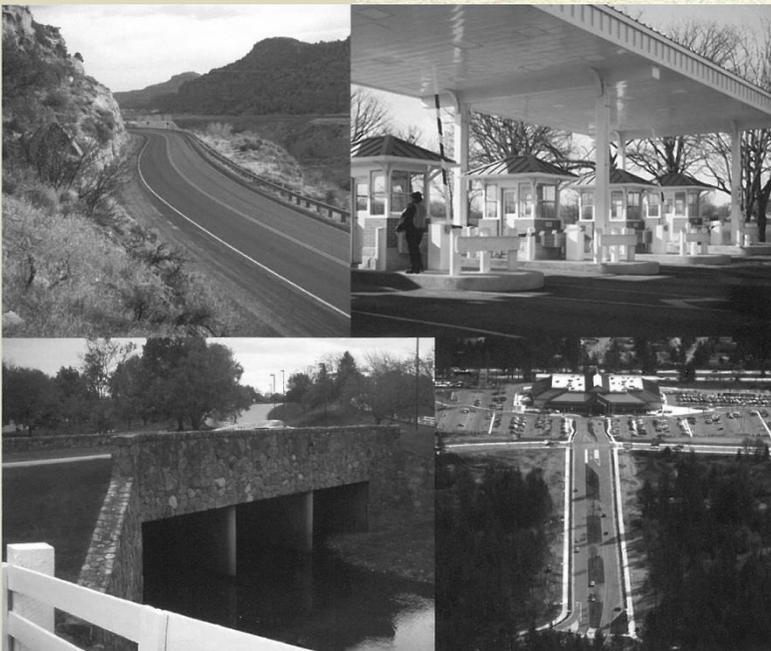
Our Commitment to Our Clients

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
- Rail & Transit
- Construction Management & CEI
- Airport Planning & Design
- Multi-Modal Planning & Design
- Hydraulics & Drainage Design
- Public-Private Partnership (P3) Services
- Design-Build Services
- Public Involvement
- Context Sensitive Solutions
- Planning & Environmental Studies
- Brownfields Services
- Utility Coordination & Relocation
- Traffic Engineering & Transportation Planning
- Parks & Recreation Planning & Design
- Electrical Design
- Federal Services
- Municipal Services



Highway and 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 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.

Our highway and roadway services include:

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



"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 of Kentucky Department of Highway Nine District

Construction Management and 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.

Construction management and CEI services include:

- Quality assurance and quality control
- Field inspection and engineering
- Safety, Equal Employment Opportunity (EEO) and Disadvantaged Business Enterprise (DBE) compliance
- Claims avoidance
- Materials testing and inspection
- Horizontal directional drilling



Bridge Design Services



Red Bridge Road over Blue River & Union Pacific Railroad, KCMO

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's structural design services include:

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

"Lochner skillfully develops strong working relationships with project stakeholders including cities and UDOT, which ensures that projects move forward efficiently and hurdles are overcome effectively."

- Shane Marshall,
Utah Department of Transportation

Bridge Inspection Services

As a leading provider of bridge inspection services, Lochner offers a full range of inspection capabilities and significant field experience. Lochner currently staffs inspection team leaders and program managers in accordance with National Bridge Inspection Standards (NBIS) certification criteria. Bridge inspection expertise includes:

- Structural inspections of fixed and movable bridges, overhead signs, high-mast light poles and traffic signal mast arms
- Routine NBIS safety inspections
- Fracture critical member inspections
- Post-tensioned box girder inspections
- Special feature/damage inspections
- Major river bridge inspections
- Element level (PONTIS) inspections
- Non-destructive testing
- Special gusset inspections
- Load rating analysis
- Bridge scour evaluations and analysis



Planning and 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.

Lochner's planning and environmental studies expertise includes:

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



Cassville Master Plan for Growth, Cassville, Missouri

"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, PE, Utah Department of Transportation

Aviation Engineering, Planning, Environmental and 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 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.

Lochner provides our clients the following aviation services.

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



Jesse Viertel Memorial Airport, Boonville, Missouri

*"Lochner did a great job on the complex, multi-phased Kerrville Airport parallel taxiway relocation project."
- Harry Lorton, TxDOT*