



**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

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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 Programs Administrator
LPAoncall@modot.mo.gov

RE: MoDOT LPA On-Call Services - Letter of Interest for Structures

Dear Members of the Selection Committee:

Lochmueller Group, Inc. (Lochmueller) is pleased to submit this LOI for **Structures**. Lochmueller understands the importance of selecting a firm that can provide competently engineered bridge plans and design studies. Given our background as a transportation planning and design firm, we recognize the importance of reliable service to MoDOT to allow efficient project implementation at a time of significant budgetary limitations. In addition, we understand that MoDOT is looking for a partner who offers the most and best innovative ideas that provide value and achieving quality results by utilizing an “out of the box” mindset.



General Experience of Firm

Lochmueller is a distinguished, multi-disciplined engineering firm that provides expert transportation and infrastructure solutions to public agencies for over 40 years. We offer a full suite of services including all aspects of transportation engineering as well as planning, right-of-way acquisition/appraisal, and environmental evaluation. We have more than 420 employees distributed across 17 offices around the Midwest, including 55 professionals in our two St. Louis area offices.

Our structural engineers are experts in multiple State and LPA Design Standards. Lochmueller is very familiar with MoDOT standards, expectations, and the Engineering Policy Guide. Our work often involves tight budgets and compressed schedules similar to the projects that are typically completed through the On-Call process. Our bridge design capabilities are augmented by in-house expertise in road design, traffic engineering, hydraulic (stormwater) design, environmental, and right-of-way acquisition and appraisal, which allows us to quickly and accurately address tangential issues related to many MoDOT bridge projects. Our structure experience includes steel plate girder, WF, and truss design, prestressed concrete I-girder, NU, Bulb-t, and deck beam design, reinforced concrete voided slab and reinforced deck beam design, MSE, cantilever, and L-type retaining walls along with precast and CIP culvert types.



Past Performance

Lochmueller’s structural design experience includes bridge rehabilitation or replacement as well as new bridge design. Our engineers also have experience with innovative project delivery and/or value engineering, planning, and conceptual studies. Lochmueller can deliver any of our plans in a 3D format and has routinely developed simulations for public involvement purposes. Some of the many examples of our structural design experience include the following projects:

Bridge Replacement

- » **Fountain City Road over Haverstick Creek Bridge Replacement for Jefferson County, MO** (*Jason Jonas, PE, 636.797.5369*)
- » **Illinois Route 8, Structure Replacement over Burlington Northern Santa Fe Railroad, Peoria County for Illinois Department of Transportation (IDOT), District 4** (*Kevin Horst, 309.671.3472*)
- » **Reconstruction of I-57 Interchange with Illinois Route 17 & Replacement of Three Bridges for IDOT** (*David Alexander, 815.434.8468*)
- » **Old US 50 Small Structure Replacement, Daviess County, for Indiana Department of Transportation (INDOT)** (*Lora Phillippe, 812.895.7336*)
- » **Bridge 319 Replacement for Vigo County, IN** (*Larry Robbins, 812.462.3419*)

- » **Replacement of Non-select Historic Reinforced Concrete Filled Arch Bridge 44 for Morgan County, IN** (*Larry Smith, 317.831.7989*)
- » **Langenwalter Bridge Replacement on TR 363 over North Fork Mill Creek for Madison County, IL** (*Adam Walden, PE, 618.296.4540*)

Bridge Rehabilitation

- » **Pavement & Structural Preservation & Rehabilitation, Reagan Memorial Tollway (I-88), IL Route 56 (M.P. 113.3) to the Aurora Toll Plaza (M.P. 117.8) Kane County for the Illinois Tollway** (*Mohamad Faraj, PE, 331.238.4932*)
- » **Tower Grover Connector Phase 2 Cycle Track Improvements (bridge number A68811), Sarah Street over I-64 ramp, for the City of St. Louis, MO** (*Joseph J. Molinaro, 314.453.1760*)
- » **Modification of a Metrolink bridge over Vandeventer Avenue along the Brickline Greenway trail between Sarah and Grand Avenue for Great Rivers Greenway, St. Louis, MO** (*Bill Gabler, 314.453.5082*)
- » **Reconstruction of the I-57/IL Route 17 Interchange, Kankakee for IDOT, District 3** (*David Alexander, 815.434.8468*)
- » **First Avenue over Pigeon Creek for Vanderburgh County, IN** (*John Stoll, PE, 812.435.5773*)
- » **Rehabilitation of US 40 over Unnamed Tributary to Lick Creek for INDOT** (*Chris Wahlman, 812.524.3732*)
- » **I-65 over Lauramie Creek, Tippecanoe County, for INDOT** (*Travis Kohl, 765.361.5297*)
- » **Preventative Maintenance for SR 57 or I-69 in Vanderburgh County for INDOT** (*Troy Arnold, PM, 812.895.7348 ex. 14669*)

New Bridge Design

- » **IL 158 (Air Mobility Drive) over Branch Loop Creek for IDOT, Mascoutah, IL** (*Billie Owen, PE, 618.346.3209*)
- » **Lebanon Road over CSX Railroad, Madison County, IL** (*Adam Walden, PE, 618.296.4540*)
- » **SR 64 over West Fork of Keg Creek (Part of I-69, Section 1, Package 5)** (*David Butts, 317.232.3767*)
- » **Fayette Avenue over I-57/70 for IDOT** (*Greg Jamerson, PE, 217.342.8311*)
- » **New Shared-Use Path Pedestrian Bridge over FAI-57/70 just east of FAP 95 (Fayette Avenue) for IDOT** (*Greg Jamerson, PE, 217.342.8311*)
- » **I-69, Section 4, Package 6: I-69 Mainline Twin Structures Crossing Indian Creek/Carmichael Road; SR 445 Extension at the County Line Interchange; SR 445 Extension over Indian Creek and Carter Road for INDOT** (*David Butts, 317.232.3767*)
- » **Yellowwood State Forest Access Road, New Bridge over North Fork Salt Creek & New Bridge over Jackson Creek for INDOT** (*Greg Prince, 812.524.3783*)

Design/Build

- » **I-44/Route 141 Interchange in St. Louis County for MoDOT***
- » **I-44 – Bridges Rebuild in Newton, Jasper & Lawrence Counties for MoDOT*, project tasks included the replacement design of four interstate bridges with two steel arch structures.**
- » **Columbia Bridges Rebuild for MoDOT***

(*Reference for all our Design/Build work: *David Simmons, 314.453.1878, david.simmons2@modot.mo.gov*)



Qualifications of Personnel

The following is an abbreviated overview of Lochmueller's key personnel that would be responsible for delivering on-call services for MoDOT.

Ted Montrey, PE, SE is a Structural Department Manager for Lochmueller in Springfield Illinois and will serve as the Project Manager for structural assignments. Prior to joining Lochmueller, Ted worked at IDOT and IDNR and has over 35 years' experience as a civil and structural engineer. Ted worked as a bridge design engineer, a bridge standards engineer and final plan control engineer for IDOT's Bridge Office and served as the Chief of Design and Construction in the IDNR Office of Water Resources for 20 years. Ted has been involved with the planning and design of bridges and structures in both Missouri and Illinois.

Larry Gowler, PE, SE serves as a Project Engineer and Project Manager in Lochmueller's Belleville, IL structural division. He has 29 years of experience in the design of bridges, box culverts, retaining walls, building foundations and wastewater/water treatment infrastructure projects. Larry has performed many bridge inspections and load ratings. In addition, he is a certified NBIS Program Manager.

Jacob Mette, PE is a Project Engineer in Lochmueller's Belleville, IL structural division. He has 5 years of experience in bridge and building design with projects located in Missouri and Illinois. He is a certified NBIS bridge inspector.



Familiarity/Capability

The Lochmueller team has a broad-based staff with a diverse background. Our team offers a number of advantages in that we are familiar with state administrated projects; we have a thorough understanding of the pertinent issues; and we know the processes that must be followed to satisfy MoDOT's standards and submittal requirements. In fact, we maintain sufficient staff to add "bench-strength" should it be required to meet or exceed schedule requirements. In addition, our structural design services are complemented by in-house expertise in hydraulics, right-of-way, and roadway design that allows us to develop comprehensive, synergistic solutions. The capacity and experience of the Lochmueller team will help to ensure that accelerated project schedules can be met without sacrificing quality.



Accessibility

Lochmueller's staff is highly responsive, mobile, and readily available for new challenges. We take pride in being accessible and responsive to MoDOT, prioritizing communication and timeliness, and applying the same urgency that is typically imposed by our private clientele. Our collective staff in the St. Louis region provides depth and redundancy that allows us to work concurrently on multiple assignments.

Thank you for the opportunity to submit our qualifications. Please feel free to contact me either at the office phone 314.230.7983, my cell phone at 314.941.6657 or e-mail at ssmith@lochgroup.com.

Sincerely,
Lochmueller Group, Inc.

Scott J. Smith, PE
Vice President & Western Market Leader

DELIVERING A
BETTER TOMORROW
FOR ALL



Lochmueller Group specializes in infrastructure design for local and state agencies. We understand the challenges facing clients today and continually strive to maximize benefits at every stage of a project to provide sensible, sustainable, and constructable designs.



LEARN MORE
ABOUT US



Opening our doors in Evansville, Indiana in 1980, our company has expanded to numerous offices across Indiana, Illinois, Ohio, Kentucky, Missouri, Kansas, and Texas. Over the years, Lochmueller Group has received many awards and recognitions for our work, including being named one of the Top 500 Firms by the Engineering News-Record (ENR). With a commitment to excellence and a dedication to our clients, Lochmueller Group has established itself as a leading engineering firm in the industry.

OUR SERVICES

Highway & Road Design

- » Highway/Interstate, Road Design
- » Complete Streets/Multi-Modal Facilities
- » Streetscape
- » Signage, Striping & Pavement Markings
- » Sidewalks & ADA Compliance
- » Traffic Signals & Signal Systems
- » Roundabouts
- » Utility Coordination & Drainage

Structural Engineering

- » Bridge Replacement & Rehabilitation
- » Historic Bridge Rehabilitation
- » Overpasses & Interchange Ramps
- » Drainage Structures

Traffic & Engineering Planning

- » Traffic Impact Studies
- » Signal Timing/Optimization
- » Intelligent Transportation Systems
- » Safety Studies
- » Parking Studies
- » Intersection Design Studies
- » Feasibility Studies
- » Access Management Planning
- » Traffic Calming Solutions
- » Transit-Oriented Development
- » Traffic Simulation Modeling
- » Multi-Modal Planning
- » Transportation Forecasting
- » Corridor Studies
- » Long-Range Transportation Planning
- » Community Transportation Planning
- » Travel Demand Modeling

Environmental Studies

- » NEPA Studies & Documentation
- » Indirect & Cumulative Impacts Analysis
- » Socioeconomic/Community Impacts
- » Noise Analysis Modeling & Barrier Studies
- » Section 106 & Section 4(f) Documentation
- » Stream Assessments, Design & Mitigation for Water Quality & Biota, & Restoration
- » Karst Studies
- » Field Surveys for Animals, Plants & Ecosystems
- » Threatened & Endangered Species Consultation
- » Erosion Control Inspection & Reporting
- » State & Federal Water Permitting
- » Stormwater Permitting
- » Wetland Delineation, Design, Mitigation, Monitoring, & Maintenance

Water Resources

Stormwater

- » Master Planning
- » Drainage System Design
- » Green Infrastructure
- » Sediment & Erosion Control
- » MS4 Program Management & Assistance
- » Watershed Management
- » Regulatory Compliance
- » Permit Negotiations
- » Ordinance Management
- » Funding & Grant Procurement & Management

Water

- » Hydraulic Modeling
- » Master Planning & System Mapping
- » Capacity Development
- » Treatment Systems
- » Distribution Systems
- » Chemical Feed Systems
- » Storage Tanks
- » System Operations Evaluations
- » Regulatory Compliance
- » Source Water Protection Programs
- » Hydrogeological Services

Wastewater

- » Master Planning
- » Long-Term Control Plans for CSOs
- » Hydraulic Modeling
- » Wastewater Treatment Plants
- » Storage Tanks & Interceptor Sewers
- » Collection Systems
- » Pump Stations & Force Mains
- » Septic Tank Elimination Projects
- » Constructed Wetlands
- » Wet Weather Management
- » Operation Compliance & Assistance
- » Regulatory Compliance
- » National Pollutant Discharge Elimination System
- » Permit Negotiations
- » Funding & Grant Procurement & Management

Rail Design

Energy & Industrial

Survey & Right-of-Way

Urban Design &

Landscape Architecture

Construction Administration

SPANNING TODAY'S **BRIDGE CHALLENGES**



As local and state agencies struggle to find the funds to ensure the safety of thousands of America's bridges, it's become increasingly critical to identify practical, cost-effective solutions that don't compromise quality. With hundreds of bridge design projects under our belt, Lochmueller Group understands that different types of projects require different approaches to maximize value and minimize disruptions. With offices throughout the Midwest, our design staff shares their knowledge of what new approaches and materials various states are using and how they work.



Maximizing Benefits at Every Stage

Our ability to move projects from planning through construction inspection allow us to better understand and appreciate how early decisions can have long-term impacts.

REHABILITATIONS & WIDENING



Lochmueller has provided design for a wide variety of rehabilitations from simple overlays to complex rehabilitation of historic structures. We understand the need to balance immediate needs with life-cycle costs to maximize your return on investment. We also understand the importance of looking at not only what needs to be rehabilitated, but why. Is deterioration simply due to age or are other factors contributing to early failure?

While impacts to environmental resources and utilities may be less than with new structures, major rehabilitations can pose challenges with regard to levels of deterioration that remain undetectable until rehabilitation begins. This is particularly true in the cases of historic bridges. Having provided construction inspection, as well as design on numerous steel truss, arch spandrel and other types of historic structures, Lochmueller staff knows what sort of problems to anticipate and how to solve them.

BRIDGE REPLACEMENTS

Bridge replacements are easier than rehabilitations in one way, designers don't have to accommodate existing components. Instead, replacements are more likely to pose challenges such as the need for additional right-of-way, environmental and utility impacts, and more complex maintenance of traffic. Since Lochmueller's design staff works hand-in-hand with in-house experts in each of these areas, they have become adept recognizing opportunities to lessen impacts and reduce costs.

NEW ALIGNMENT

Bridges on new alignment involve many of the same challenges as reconstructions, but with larger impacts. Our designers are recognized for their ability to tackle the complexities that go with new alignment structures. Whether it's designing in karst terrain, concerns of local stakeholders, or impacts to waterways or threatened and endangered species, we know how to anticipate and resolve issues and build consensus if needed.

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