



**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:

Great River Associates, Inc. dba Great River Engineering

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Jason Sivils, 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**



LETTER OF INTEREST LPA ON-CALL PROFESSIONAL SERVICES - STRUCTURES

GENERAL EXPERIENCE OF FIRM

Great River Engineering (GRE) is proud to submit this Letter of Interest to provide professional engineering services to Local Public Agencies across Missouri. With over 28 years of service, GRE has built a reputation for safety, innovation, and reliability. Our 95+ person team includes licensed engineers, land surveyors, design technicians, and inspectors who work collaboratively to deliver projects on budget, on schedule, and with consistent quality. GRE has completed more than 850 bridge and culvert projects across Missouri, covering all phases of replacement and rehabilitation. Our experience includes a wide range of superstructure types such as steel, prestressed concrete, and curved structures, along with extensive foundation expertise in drilled shafts, spread footings, and driven piles. **Over the past five years, GRE has led the way in the Off-System Bridge (BRO) program, helping LPAs deliver more than \$140 million in federal funding authorized through the IJJA.** This proven success demonstrates our ability to navigate funding requirements and deliver results that replace poor-condition bridges efficiently.

PAST RECORD OF PERFORMANCE

GRE has an established track record of successfully completing bridge design projects for local public agencies. Our completed projects consistently reflect quality workmanship, timely responsiveness, and strict adherence to local and federal requirements. Selected examples include:

GROH ROAD BRIDGE #1930010, BRO-B019(036) | CASS COUNTY, MO

Cass County hired GRE to provide design services to replace the Groh Road Bridge using BRO funding. The project consisted of construction of a 90-foot single-span prestressed concrete NU-girder bridge, including realignment and associated roadway improvements. GRE's responsibilities encompassed developing detailed design plans, performing alignment studies, and ensuring roadway geometry met safety and performance standards. During the project, GRE conducted detailed hydraulic analyses to address floodplain impacts, ensuring the bridge design accommodated waterway flow and met regulatory requirements without negatively impacting nearby residences. The work included preparing bid-ready documents, verifying compliance with applicable codes, and coordinating design reviews to address stakeholder feedback. GRE maintained rigorous quality standards throughout the design process to deliver a solution that met project objectives and environmental considerations.

OUR COMPREHENSIVE SERVICES INCLUDE

- ✓ Preliminary Studies and Evaluations
- ✓ Hydrology and Hydraulics Analyses
- ✓ Scour Analysis and Streambank Stabilization
- ✓ HEC-RAS Modeling
- ✓ Superstructure and Substructure Design
- ✓ Bridge Rehabilitation and Replacement
- ✓ Load Ratings
- ✓ Right-of-way and Utility Coordination
- ✓ LPA Compliant Plan Production and Documentation

At GRE, we believe strong relationships and clear communication are the foundation of every successful project. We take the time to listen, collaborate, and keep our clients informed every step of the way.



REFERENCES

Travis Jones

Cass County Road & Bridge
816.380.8360

Danny Brown

Crawford County Road Superintendent
573.775.3520

Joe Lutz

Moniteau County Presiding Commissioner
573.796.2213

Wayne Housley

Greene County Hwy. Department
417.831.3591



LITTLE SHOAL CREEK ROAD BRIDGE #1900041, BRO-R028(011) CRAWFORD COUNTY, MO

Crawford County partnered with Great River Engineering (GRE) to deliver a new 70-foot single-span prestressed box beam bridge on Little Shoal Creek Road. GRE's design team provided a comprehensive approach, developing detailed plans and specifications optimizing structural efficiency and durability. The scope included bridge geometry, superstructure and substructure design, and roadway approach improvements to ensure seamless connectivity. GRE leveraged structural analysis and hydraulic modeling to address site-specific challenges, ensuring long-term performance and resilience. Our team coordinated closely with stakeholders throughout the design phase, facilitating design review meetings and incorporating feedback to align with project goals. GRE also prepared complete bidding documents and supported the client during the bidding process, ensuring clarity and competitiveness.

FARM ROAD 17 BRIDGE #0170119, BRO-B039(038) | GREENE COUNTY, MO

Greene County engaged Great River Engineering to develop design alternatives for replacing a structurally deficient 140-foot concrete bridge over the Sac River, a project requiring solutions that balanced safety, regulatory compliance, and historic preservation. The county's objectives included improving traffic safety, meeting FEMA's stringent "No-Rise" requirement, and satisfying SHPO standards for potential National Register eligibility. GRE proposed multiple bridge design options, roadway realignment configurations, and cost estimates to guide decision-making. The selected solution, a 4-span, 242-foot horizontally curved steel plate girder bridge, addressed challenging site constraints, eliminated a hazardous 90-degree curve, and required extensive coordination with MoDOT and archaeologists to achieve all project goals.

QUALIFICATIONS OF PERSONNEL

Our bridge team is comprised of highly experienced project managers, licensed engineers, and technical staff with extensive expertise in LPA project delivery. Key personnel include:

MELISSA MASSAR, PE | BRIDGE SERVICES MANAGER

Melissa is a proven leader in bridge engineering who serves as the Bridge Services Manager for Great River Engineering, overseeing all bridge services across the state of Missouri. Her leadership has been instrumental in shaping the firm's bridge and structural practice, fostering a culture of technical excellence, collaboration, and client-focused service. With more than 12 years of experience in structural design, bridge inspection, and project management, Melissa brings both strategic vision and hands-on expertise to every project.

JOHN CAHILL, PE | BRIDGE TEAM LEADER (SPRINGFIELD)

John is a project manager with over 9 years of experience. As Bridge Team Leader at GRE's Springfield office, John leads a skilled team responsible for bridge rehabilitation and replacement projects. His leadership ensures timely delivery, quality compliance, and effective coordination across all phases of project execution. Recently certified under the National Bridge Inspection Standards (NBIS), John brings a strong focus on safety and performance. Before joining GRE, John served as a staff engineer for the City of Norfolk, Nebraska, gaining valuable municipal project experience.

MATT FAZIO, PE | BRIDGE TEAM LEADER (KANSAS CITY)

Matt brings over 8 years of experience in civil and structural engineering to his role as Bridge Team Leader at GRE's Kansas City office. Matt leads a team focused on bridge design, inspection, and maintenance programs, ensuring efficient project delivery and innovative solutions. His leadership builds on prior roles managing bridge inspections at Ft. Leavenworth and serving as Structural Project Engineer at Coreslab Structures. With expertise spanning stormwater and roadway design, Matt drives excellence in bridge engineering across the Kansas City region.

QUALIFICATIONS OF PERSONNEL (CONTINUED)

JEREMY MANNING, PE | BRIDGE ENGINEER

Jeremy's 18 year career spans commercial construction, steel design, estimating, and structural engineering. He has designed a wide range of structures—from military hangars to bridges, box culverts, low-water crossings, and retaining walls—and has served in roles including Project Manager, Senior Designer, and Head of Structural Engineering. His experience includes work with diverse funding sources such as cost-share programs, MoDOT BRO and TAP, and CDBG. Throughout his career, he has built strong working relationships with agencies including the U.S. Army Corps of Engineers, MoDOT, and the Department of Natural Resources.

DAVID JARVIS, PE | BRIDGE ENGINEER

David joined GRE in 2025 after 16 years with the U.S. Army Corps of Engineers (USACE). He served as Bridge Program Manager for Tulsa and Albuquerque Districts and later as Southwest Division Bridge Program Manager, overseeing bridge safety for Texas, Oklahoma, Arkansas, and Kansas. David led the USACE National Bridge Load Rating Center of Expertise, where he developed and delivered the Corps' national training program for bridge load ratings. Recognized as 2024 National Structural Engineer of the Year (USACE) and 2023 Tulsa District Engineer of the Year, David brings nearly 25 years of experience in bridge safety, dam safety, and hydraulic steel structures. He is SPRAT-certified (Society of Professional Rope Access Technicians) since 2015, enabling advanced rope-access inspections for complex structures.

FAMILIARITY & CAPABILITY

GRE is well versed in the MoDOT Engineering Policy Guide (EPG) including the unique processes and expectations of the Local Public Agency (LPA) program. We are confident in ensuring compliance and efficiency from start to finish. Our team demonstrates a high degree of familiarity and capability with bridge design procedures, standards, and documentation requirements, built on decades of project experience throughout Missouri.

ACCESSIBILITY

The culture at GRE emphasizes responsiveness, direct communication, and transparency. Our approach to accessibility includes:

- ✓ DIRECT CELL PHONE ACCESS TO PROJECT MANAGERS AND DESIGN TEAM LEADS
- ✓ MONTHLY PROGRESS UPDATES AS A MINIMUM STANDARD
- ✓ RAPID-RESPONSE FIELD DEPLOYMENT FROM FIVE MISSOURI OFFICES
- ✓ REAL-TIME CLOUD-BASED SHARING OF PROJECT FILES
- ✓ VIDEO CONFERENCING FOR IMMEDIATE CLIENT COLLABORATION

CONCLUSION

Great River Engineering offers an experienced, diverse, and highly qualified bridge design team, fully equipped to deliver innovative, standards-compliant solutions with outstanding precision and reliability. Our extensive portfolio of local public agency related projects demonstrates our ability to provide responsive, accurate, and standards-compliant bridge design services throughout Missouri. We appreciate your consideration and look forward to the opportunity to support counties and cities bridge design needs.

CONTACT US

At Great River Engineering, our team works together across all offices to bring clients the right solutions—every time.

MELISSA MASSAR, PE | BRIDGE SERVICES MANAGER

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WWW.GREATRIV.COM





GREAT RIVER ENGINEERING FOCUSED ON TRANSPORTATION SOLUTIONS ACROSS MISSOURI

With over **28 years of service** and more than **1,000 successful transportation projects**, **Great River Engineering (GRE)** is a trusted partner to **counties and cities**. Our diverse and growing staff of **95+ professionals** includes professional engineers, professional surveyors, landscape architect, inspectors, and designers dedicated to **safe, compliant, and cost-effective project delivery**.

We are prequalified and experienced across several of MoDOT's current On-Call categories:

- ✓ Roadway Design
- ✓ Trails & Sidewalks
- ✓ Construction Inspection
- ✓ Traffic Engineering & TEAP
- ✓ Structures
- ✓ Environmental
- ✓ Transportation Planning

GRE is recognized for its deep familiarity with MoDOT LPA standards, procedures, and expectations with knowledgeable staff experience to lead delivery teams.





GRE's teams deliver the following services:

ROADWAY DESIGN

- ✓ New Construction & Widening
- ✓ Intersections
- ✓ Multimodal

TRAILS AND SIDEWALKS

- ✓ Sidewalks
- ✓ Trails
- ✓ ADA Compliance

CONSTRUCTION INSPECTION

- ✓ Asphalt & concrete plant inspections, density testing
- ✓ Federal Compliant Documentation and Reporting
- ✓ MoDOT-certified inspectors trained in Appia & Mobile Inspector tool

TRAFFIC ENGINEERING AND TEAP

- ✓ Road safety assessments, crash analysis, signal timing
- ✓ CMF/SPF development, safety countermeasure planning
- ✓ Two PTOEs on staff with corridor & roundabout design expertise

STRUCTURAL

- ✓ LRFD bridge design, scour analysis, rehabilitation & replacement
- ✓ Bridge PS&E, hydraulics, and stream modeling
- ✓ MoDOT Bridge EPG compliance and understanding of Bridge Division procedures.

ENVIRONMENTAL

- ✓ NEPA Compliance
- ✓ Environmental Assessment
- ✓ Environmental Impact Statements

TRANSPORTATION PLANNING

- ✓ Public Outreach & Engagement
- ✓ Planning Studies
- ✓ Capital Improvement Plans



OF LPA PROJECTS
OVER

1,000

OF YEARS LPA
EXPERIENCE

28

OF LPA BASIC TRAINING
CERTIFIED STAFF

24



OUR PEOPLE SET US APART

- ✓ 22 PROFESSIONAL ENGINEERS
- ✓ 14 MODOT-CERTIFIED INSPECTORS
- ✓ 2 PTOES
- ✓ 4 NUCLEAR DENSITY GAUGE TECHS
- ✓ 2 CERTIFIED FLOODPLAIN MANAGERS
- ✓ 7 MISSOURI OFFICE LOCATIONS ENABLE RAPID DEPLOYMENT AND COORDINATION

HIGHLIGHTED STAFF

- **AUSTIN HOSTETTLER, PE**

Successfully completed numerous LPA roadway and sidewalk projects. Roadway and Traffic Engineer.

- **JERANY JACKSON, PLA, FASLA**

30 years of design experience with sidewalks/trails across Missouri. Highly skilled in public engagement/outreach.

- **BRYAN BOYCE**

Construction Services Manager, 20+ years; MoDOT Certified Inspector.

- **SHANNON SHANK, PE, PTOE**

34 years of Roadway & Traffic Engineering. Numerous LPA Projects.

- **MELISSA MASSAR, PE**

Bridge Services Manager; \$140M in Bridge Funding Led.

Below are just a few of the BROs, TAP, and TEAPs that Great River Engineering has provided services for.

- CASS COUNTY – GROH ROAD OVER MASSEY CREEK
BRO-B019(036)
- CRAWFORD COUNTY – LITTLE SHOAL CREEK ROAD OVER SHOAL CREEK
BRO-R028(011)
- GREENE COUNTY – FARM ROAD 17 OVER SAC RIVER
BRO-B039(038)
- HICKORY COUNTY – COUNTY ROAD 273 OVER POMME DE TERRE RIVER
BRO-R043(013)
- MARION COUNTY – COUNTY ROAD 143 OVER TROUBLESOME CREEK
BRO-R064(001)
- CLAY COUNTY – STOCKDALE ROAD OVER UNION PACIFIC RAILROAD COUNTY ROAD
BRO-R024(001)
- ANDREW COUNTY – COUNTY ROAD 311 OVER LONG BRANCH
BRO-R002(046)
- HARRISON COUNTY – E. 165TH ST. OVER EAST FORK OF BIG CREEK
BRO-R041(001)
- COLE COUNTY – STURBRIDGE DRIVE OVER BRANCH OF GRAYS CREEK
BRO-R026(001)
- TEXAS COUNTY – CAMP ROAD OVER BIG PINEY RIVER
BRO-R001(001)
- CITY OF MARSHFIELD – MARSHALL STREET EXTENSION
TEAP-092 (2025)
- CITY OF LONE JACK – BYNUM ROAD CROSSWALK STUDY
TEAP-087 (2025)
- PHELPS COUNTY – ROADWAY FUNCTIONAL CLASSIFICATIONS UPDATE
TEAP-090 (2025)
- CITY OF BOLIVAR – SOUTH KILLINGSWORTH AVENUE PEDESTRIAN PATHWAY STUDY
TEAP-091 (2025)
- CITY OF ARNOLD – TENBROOK ROAD AT ARNOLD TENBROOK ROAD
TEAP-080 (2024)
- WEBSTER COUNTY – ROUTE PP / IRON MOUNTAIN ROAD
TEAP-072 (2023)
- CITY OF MARSHFIELD – HUBBLE DRIVE / MARSHALL STREET / PINE STREET / ELM STREET
TEAP-059 (2022)
- CITY OF MARSHFIELD – ELM STREET / JACKSON STREET / SCHOOLVIEW DRIVE
TEAP-043 (2021)
- CITY OF BERTRAND – EVALUATION OF EXISTING SIDEWALK – OLIVE STREET TO MICHAEL STREET
TEAP STUDY (2018)
- CITY OF WILLARD – MILLER ROAD – JACKSON STREET TO HUGHES ROAD
TEAP STUDY (2015)



FAMILIARITY & CAPABILITY WITH STATE AND FEDERALLY FUNDED PROJECTS

GRE IS DEEPLY FAMILIAR WITH:

- ✓ MoDOT Engineering Policy Guide (EPG) and LPA Requirements
- ✓ AASHTO, NEPA, and ADA standards
- ✓ Federal funding compliance for bridges, trails, sidewalks, and roadways

Our successful delivery of federally funded projects across Missouri proves our capability to meet compliance, budget, and scheduling demands.

ACCESSIBILITY STRATEGY

GRE PRIORITIZES COMMUNICATION AND RESPONSIVENESS, USING:

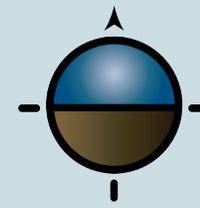
- ✓ Direct mobile access to project managers & principals
- ✓ **Biweekly project updates (minimum)**
- ✓ Real-time **cloud-based file sharing**
- ✓ Rapid-response teams from 7 Missouri offices
- ✓ Drone & GIS tools for field visualization

“GRE is committed providing a high level of engineering services for cities and counties across Missouri”

CLOSING STATEMENT

As a long-time partner with cities and counties across Missouri, GRE stands ready to support the 2026–2029 LPA On-Call Services with the **depth, diversity, and expertise needed to deliver results**. Our qualifications in multiple categories—supported by proven performance—ensure we can deliver high-quality, MoDOT/FHWA-compliant projects that promote safety, innovation, and sustainability.

We welcome the opportunity to continue serving Missouri with integrity, excellence, and accountability.



GRE
GREAT RIVER
ENGINEERING

CONTACT US

At Great River Engineering, our team works together across all offices to bring clients the right solutions—every time.



MELISSA MASSAR, PE

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REFERENCES

Kyle Lee, City of Bolivar, MO

Community Development Director
417.328.5826

Chris Bostic, St. Charles County, MO

Engineering Design Manager
636.949.7900

Travis Jones

Cass County Road &
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816.380.8360

