



**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)

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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

Ashley Buechter, PE | Local Program Administrator  
 105 W. Capitol Avenue  
 Jefferson City, MO 65102  
 via email to LPAoncall@modot.mo.gov

**RE: Missouri LPA On-Call Professional Services Work  
 Category: Structures**

Dear Selection Committee,

It is Garver’s professionals’ wide range of skills that make us an invaluable on-call resource for state departments of transportation (DOTs) and local agencies. Throughout our history, Garver has provided similar on-call services to local agencies, the Missouri Department of Transportation (MoDOT), and other DOTs in Alabama, Arkansas, Kansas, Mississippi, Oklahoma, Tennessee, and Texas. Garver has the expertise and capacity to provide services for the upcoming Missouri Local Program Agency (LPA) Structural projects. Several Garver Transportation Team staff have completed the LPA training certification class, and Garver is on MoDOT’s approved list of prequalified consultants.

**GENERAL EXPERIENCE OF THE FIRM**

For over 100 years, Garver has earned our client's trust by delivering high-quality designs and innovative bridge solutions. Our Team brings the creative leadership and deep technical expertise needed to support projects ranging from new construction and complex interchanges to specialized rehabilitation and structural evaluations. We provide timely, cost-effective design services in areas such as steel and concrete superstructures, floodplain and hydraulic analysis, bridge inspection and load rating, seismic evaluation, and the design of box culverts, retaining walls, and sign support structures. Our comprehensive bridge capabilities include:

**Steel Superstructure Design:** Steel rolled beams, steel plate girders (straight and curved), and haunched plate girders.

**Concrete Superstructure Design:** Concrete slab and deck girders, AASHTO-prestressed beams and bulb-tees, prestressed box beams, and prestressed NU girders.

**Substructure and Foundation Design:** Steel and concrete pile bents, open concrete bents, pile-supported footings, spread footings, and drilled shafts.

**Bridge Rehabilitation:** Bridge widening, redecking, superstructure replacement, bridge raising, concrete overlays, steel girder repairs, hinge replacements, concrete substructure repairs, Structure Rehabilitation Checklists (SRCs), and curb blockouts.

**Bridge Hydraulics:** Hydrology and hydraulic (H&H) modeling (including SRH-2D and HEC-RAS 2D), scour analysis, dam break studies, and levee systems.

**Bridge Specialty Areas:** Seismic design, bridge load rating, retaining walls, box culverts, emergency repairs, cost estimates, detailing, and pedestrian bridges.



**PAST PERFORMANCE**

Garver brings a strong record of on-call performance for cities, counties, and metropolitan planning organizations (MPOs), delivering fast-response engineering, planning, and environmental services that help local agencies keep projects moving. Our multidisciplinary Teams routinely support municipal roadway improvements, bridge replacements, multimodal enhancements, utility coordination, traffic studies, and stormwater design through long-term on-call contracts with communities across Missouri, Kansas, Arkansas, Oklahoma, and Mississippi. This experience includes serving as an extension of staff to help agencies navigate federal funding requirements, meet LPA process expectations, and deliver efficient projects, on time and on budget. Whether supporting MoDOT Districts or smaller municipalities, Garver provides consistent, dependable on-call responsiveness backed by deep technical expertise and familiarity with local standards and procedures.

➤ **MoDOT** has selected Garver to complete numerous bridge replacement and bridge rehabilitation projects, some including conceptual studies. All of these projects were successfully delivered on time and within budget. Also, Garver was selected in 2023 for the Statewide Bridge Design On-Call contract and successfully completed bridge replacement projects under Memorandums of Understanding (MOUs).

➤ The **City of Kansas City, MO (KCMO)** has selected Garver for Structural On-Call Services (2016-current). Under this structural on-call services contract, Garver has performed structural engineering services that involve plan review, concept studies, cost comparisons, preliminary and final design for new or replacement structures, bridge rehabilitation design, bridge repair/overlay design, hydraulic/drainage design for culverts and emergency repairs, and retaining walls and building repair and evaluation.

➤ Garver has a 100-year relationship designing bridges for the **Arkansas Department of Transportation (ARDOT)**, including consecutive on-call contracts since 2002.

➤ The **Mississippi Department of Transportation (MDOT)** Bridge Division selected Garver for our first Bridge on-call contract in 1995 and all subsequent contracts.

➤ For the **Oklahoma Department of Transportation (ODOT)**, Garver has provided on-demand services over the last two decades including engineering, planning, environmental, construction, hydraulics, and bridge rehabilitation.

➤ The **Tennessee Department of Transportation (TDOT)** has used Garver to provide services through on-call contracts for bridge repair, bridge inspection, and load rating since 1991. We have provided more than 350 bridge repair plans, inspected over 1,200 bridges, implemented scour countermeasures for more than 400 bridges, and performed load ratings for over 200 complex bridges.

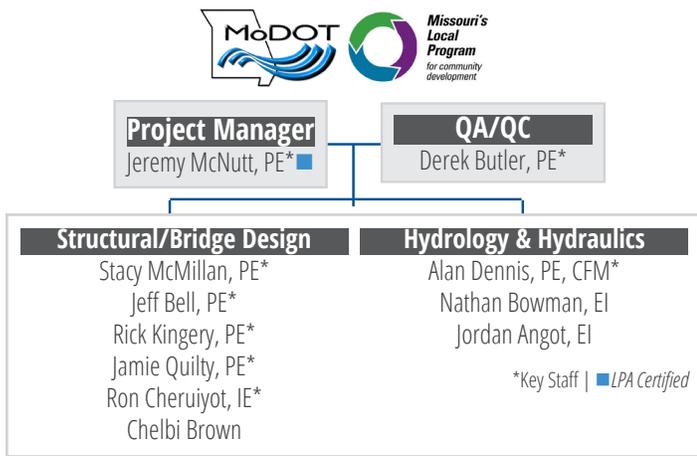


### On-Call Expertise for DOT and Local Agency Programs

Garver performs a wide range of on-call LPA work on behalf of our DOT clients. In addition to Missouri LPAs, we serve municipal, county, and state agencies across multiple states including Kansas, Oklahoma, Ohio, Arkansas, and Mississippi. We are prequalified to perform comprehensive engineering, planning, and environmental services—from bike path design, bridge replacements, H&H analyses, transportation and corridor studies, to rewrite of LPA manuals for DOTs. The Garver Team has the resources and capability to deliver LPA projects on time and within budget.

## QUALIFICATIONS OF PERSONNEL

The Garver Team is familiar with MoDOT standards, policies, and procedures, and pledges to deliver the quality roadway designs that MoDOT and our LPA clients expect. The organization chart illustrates our Team structure and brief bios for our Key Team members who will complete these MoDOT LPA projects.



**Jeremy McNutt, PE**, is Garver's Missouri Bridge Team Leader and will serve as the project manager for all MOU assignments. He has 26 years of experience in bridge design, construction inspection, and project management. Jeremy has extensive experience with MoDOT, having served as project manager for Garver's St. Francis River bridge replacement, as well as several other recent MoDOT bridge projects, including LPA projects that required right of way negotiations.



**Derek Butler, PE**, is a project manager for Garver's Missouri Bridge Team and will serve as QA/QC for all MOU assignments. He has 17 years of experience in bridge design and rehabilitation. He has extensive experience with prestressed concrete and structural steel superstructures and all types of foundations. Derek served as project manager or lead bridge engineer for numerous MoDOT bridge projects.



**Jeff Bell, PE**, is a project manager on Garver's Missouri Bridge Team with 13 years of experience. His design expertise includes grade separations, railroad crossings, and interchanges of various types, size, and complexities for clients throughout the region. He has served as a lead designer for several MoDOT bridge replacements, and is intimately familiar with the different structure types involved with on-call work.



**Stacy McMillan, PE**, is a senior project manager on Garver's Missouri Bridge Team. He spent 35 years at MoDOT, where he served as the Structural Liaison Engineer and led innovative solutions on major projects including the Poplar Street Bridge rehabilitation, Safe and Sound Bridge Program, and Chester Bridge Replacement. Stacy has expertise in structural design, asset management, and alternative delivery methods.



**Jaime Quilty, PE**, is a project manager on Garver's Missouri Bridge Team with 25 years of experience that includes design, drafting, and quality control review for prestressed concrete beam and steel plate girder bridges supported by drilled shaft and steel pile foundations for state, federal, and turnpike authority highways. He has experience with preliminary engineering, accommodating staged construction requirements, and incorporating aesthetic features on projects. He also has experience designing tall face abutments and retaining walls.



**Rick Kingery, PE**, is a senior project manager on Garver's Missouri Bridge Team. He has 30 years of experience and has performed structural inspections including over 10,000 inspections for state and local bridges. He spent 22 years at MoDOT in various roles including District Bridge Engineer in KC and NW Districts.



**Ron Cheruiyot, IE**, is a project engineer on Garver's Missouri Bridge Team with two years of experience in bridge design, modeling, load rating, and underwater inspection. He has supported several MoDOT and LPA projects including Route 34 Rehabilitation.



**Alan Dennis, PE, CFM**, is a project manager on Garver's H&H Team with 11 years of experience in floodplain management, H&H modeling, stormwater plans, drainage design, dam studies, and geospatial analytics. Alan is integral to Garver's MoDOT projects involving bridge hydraulic design within a FEMA Special Flood Hazard Area.

## FAMILIARITY/CAPABILITY

Garver brings decades of experience delivering federally funded transportation projects that meet stringent federal laws, regulations, and compliance requirements. Our Team routinely navigates NEPA, Section 106, ADA, FHWA design criteria, federal permitting, and documentation standards for roadway, bridge, safety, and ITS projects. This experience is strengthened by former MoDOT staff and personnel who bring firsthand knowledge of MoDOT's processes, standards, and project expectations, minimizing the need for oversight from your staff. The following projects demonstrate our past performance of efficient project delivery aligned with MoDOT's preferences and requirements:



**Colbern Road Reconstruction | City of Lee’s Summit, MO**

Garver provided full-service bridge and structural design for this LPA project including replacement of Bridge 43150011 over Little Cedar Creek and the Union Pacific Railroad with a new, two-span NU-girder structure that accommodates four travel lanes, a shared-use path, and sidewalk. The Team delivered preliminary and final bridge plans and retaining wall, substructure and foundation design, geotechnical coordination, HEC-RAS hydraulic modeling, and railroad coordination to support safe, modern structural improvements within a complex multimodal corridor. The Garver Team also provided construction inspection and support. These bridge-focused services were integrated into the overall 1.5-mile arterial improvement project, ensuring seamless roadway, drainage, multimodal, and structural design across the full corridor.



**Harrison County Bridge Replacement Over East Fork Big Creek | Harrison County, MO**

Garver provided preliminary and final roadway and bridge design services for the replacement of historic Bridge 6870010-1. The new bridge is a three-span prestressed concrete NU girder superstructure supported on cast-in-place concrete pile bents. The channel hydraulics were modeled using HEC-RAS. Services included acquiring all environmental permits, geotechnical investigation, developing ROW plans, cost estimates, and acquiring MoDOT approvals as part of the LPA process. Environmental components included technical studies (wetland delineation report, threatened and endangered species habitat assessment) to support a NEPA Programmatic Categorical Exclusion (PCE), Section 404 permit application, USACE Nationwide permit, floodplain permit, coordination with the State Historic Preservation Office, MOA, Programmatic Section 4(f) document, and the e106 form.

**Harrison County Bridge Replacements #4750002 and 5500007 | Harrison County, MO**

Garver provided preliminary and final roadway and bridge design services for these bridge replacements—Bridge #4750002 at W 120th Ave over Samson Creek and Bridge 5500007 on W 140th Ave over White Creek. The bridges are single-span prestressed box beam, supported by integral abutments on cast-in-place pipe piles. The span for each bridge is 65 feet with 24-foot roadway width on the existing alignment. Additional services

included all surveying, geotechnical investigations, hydraulic analysis, utility coordination, and right of way documentation needed to advance the project to construction.

**Structural On-Call Various Projects | City of Kansas City, MO**

Garver provided project plans and specification development for the Hillcrest Road bridge replacement. This project involved replacing an existing bridge with a triple-cell reinforced concrete box culvert. Other projects involved evaluating an existing building, creating a repair plan for a concrete slab, and conducting a structural evaluation of an abandoned building.

**MoDOT On-Call Bridge MOUs | Statewide MO**

Garver’s Bridge On-Call work for MoDOT includes delivering preliminary and final design for multiple structures in the NE and SE Districts, including the replacement of two **Route K bridges**—one a curved, four-span prestressed concrete box beam bridge and the other a three-span NU-girder bridge—along with associated roadway, drainage, and traffic control design. In the SE District, Garver rehabilitated the **Route 34 bridge over Clark Creek** by redecking the structure, converting end bents to integral, widening the roadway, and staging construction to maintain traffic. These projects demonstrate Garver’s dependable on-call support, providing high-quality bridge and roadway solutions that achieve MoDOT standards and District needs.

**ACCESSIBILITY**

Our work on past similar projects for MoDOT attests to the Garver Team’s ability to exceed your expectations of economical, practical design and quality engineering documents. Garver has an established record of responsiveness to client needs, consistently delivering timely, high-quality products for MoDOT and local agencies. With Garver Transportation Team staff strategically located in Kansas City, St. Louis, and Springfield supported by nearby offices in Kansas, Arkansas, and Oklahoma, Garver provides readily available, in-person support while maintaining efficiency through virtual collaboration. The Team utilizes web meetings, conference calls, and web-based file sharing to ensure continuous communication, quick coordination, and seamless document exchange. This combination of regional presence, experienced personnel, and technology-driven communication allows Garver to remain highly accessible and responsive to clients across all project phases.

**SUMMARY**

The Garver Team brings a proven history of performance and experienced personnel to your project. We are committed to serving as an extension of MoDOT and local agency staff. We look forward to continuing to provide MoDOT, local agencies, and the road users of Missouri with the quality and responsive design services you have come to expect from us. We ask that you select the Garver Team.

Sincerely,

**GARVER**

**Jeremy McNutt, PE** | Missouri Bridge Team Leader  
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**Missouri's  
Local  
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*for community  
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**MISSOURI'S LOCAL PROGRAM**

**» INNOVATIVE SOLUTIONS**

When it comes down to it, we are more than just engineers, planners, and architects. We plan, survey, design, manage construction, and even operate facilities. We don't just provide project solutions; we deliver forward-thinking, data-driven approaches that elevate traditional project delivery and move Missouri communities forward.



## ➤ FULL-SERVICE EXCELLENCE, MORE THAN A CENTURY OF EXPERIENCE

With more than a century of delivering infrastructure projects, Garver is a full-service firm that guides projects from concept to completion through innovative, cost-effective design and efficient scheduling. Leveraging our comprehensive in-house expertise including environmental services, architecture, surveying, design, and construction management the Garver Team provides integrated solutions that streamline delivery and deliver project success.

### ENVIRONMENTAL

- NEPA Documentation
- Environmental Compliance
- Public Involvement
- Agency Coordination
- Biological and Habitat Evaluations
- Hazardous Materials Investigations
- Cultural Resources Investigations
- Noise Modeling
- Farmland Impacts Evaluations
- Section 4(f) and 6(f) Evaluations
- Section 508 compliance

### TRAFFIC ENGINEERING & TEAP

- Corridor Planning Studies –High-Level Traffic
- Interstate Access Justification Reports
- Planning and Environmental Linkage Studies
- Corridor Studies – Detailed Traffic
- Pedestrian Safety Studies
- Road Audits
- Corridor Safety Studies
- Signalization
- Traffic Impact Analyses
- Signing and Pavement Marking
- Temporary Traffic Control
- Intelligent Transportation Systems
- Innovative Intersections
- Signal Timings
- Signal Inspections
- Traffic Control
- Transportation Systems Management and Operations

### STRUCTURES

- Long and short-span structures (steel and concrete)
- Bridge inspection, rehabilitation, widening, and seismic retrofits
- Sound walls and retaining walls
- Hydraulic and grade separation structures
- Bridge/culvert hydraulic design
- Bridge scour analysis and evaluation
- Bridge scour and stream instability countermeasure design
- One dimensional (1D) and two dimensional (2D) hydraulic modeling
- FEMA studies
- CLOMR/LOMR applications
- Accelerated bridge construction (ABC)

### ROADWAY DESIGN

- Alignment studies
- Local roads and streets design
- Interstate, freeway, and highway design
- Street enhancements
- Interchange design
- Pavement evaluation and rehabilitation
- Intersection and roundabout design
- ADA, sidewalks, and wheelchair ramps
- Storm sewer design
- Open channel and median drainage design

### CONSTRUCTION INSPECTION

- Contract administration
- Shop drawing management
- Materials testing coordination
- Final project closeout and audits
- Bridge and structure inspections

- Stormwater and BMP inspections
- Bridge coating/painting inspections
- Prestressed concrete girder fabrications
- Asphalt and concrete pavement
- Critical path method (CPM) schedule evaluations
- Change order review and negotiations
- Construction contract claim review

### TRAILS & SIDEWALKS

- Multi-use trails and bike lanes
- Pedestrian/ bicycle bridges and underpasses
- Accessibility design
- Safe Routes to Schools
- Right of way planning
- Roadway crossing design
- Trail lighting
- Signage and wayfinding
- Landscape and amenity design

### TRANSPORTATION PLANNING

- Corridor studies, corridor management plans, long-range plans, and active transportation evaluations
- PEL studies, NEPA documentation, environmental constraint mapping, and functional classification/system assessments
- Program, funding, and stakeholder support including STIP development, benefit-cost analysis, project prioritization, federal grant applications, conceptual design, and public/ stakeholder engagement



## ENVIRONMENTAL

Garver offers clients full-service environmental capabilities, including environmental studies, NEPA documentation, public involvement, and agency coordination. Clients trust Garver to build cooperative relationships with regulatory and resource agencies and to provide environmental studies, permitting, and documentation in accordance with current regulations.

## STRUCTURES

Garver has the expertise to provide a full range of structural design services for new and existing bridges, including plan development, detailing, hydraulic studies, geotechnical work, survey, cost comparisons, environmental clearances, and right of way work. Our bridge team stays up to date on design specifications to provide standard and non-standard bridge and structures designs, repairs, and ratings. We have the knowledge, experience, and tools to meet your needs concerning complex and unique structures.

## ROADWAY DESIGN

Garver's roadway engineers consider all factors and provide cost-effective design solutions for both new and existing roadway facilities. Our experience includes concept development, alternative analysis, widening and resurfacing, pavement reconstruction, utility design and coordination, right of way, environmental clearance, traffic signals and lighting, general lighting, surveying, sidewalks and trails, stormwater design, and parking lot design.

## TRAFFIC ENGINEERING & TEAP

Garver's Traffic Team has the experience and skill diversity to tackle all types of projects from complex traffic forecasting and simulation (using VISSIM and Synchro) to pedestrian access and connectivity. Our expertise includes signalization, signing, lighting, and pavement markings; corridor and intersection safety and operational analysis; speed limit reviews; sign inventory; pedestrian and bike route analysis; parking studies; and traffic signal timing.

## CONSTRUCTION INSPECTION

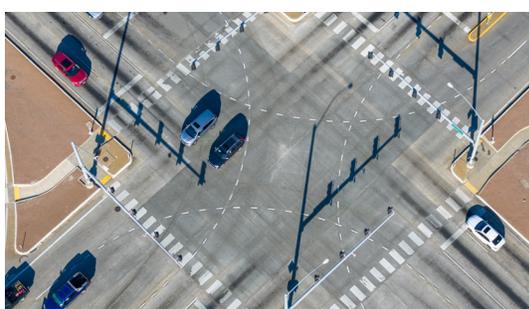
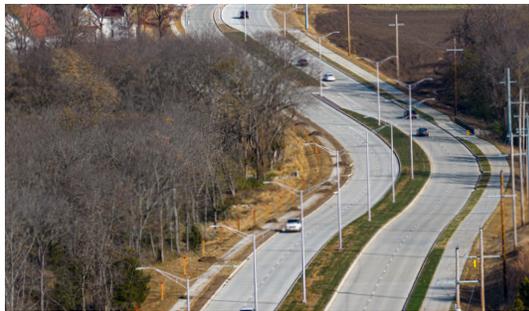
Thorough testing and inspection of construction materials are essential for the successful completion of projects. Our Team collaborates closely with your staff, acting as your on-site representative to support effective communication with contractors and uphold construction quality. Garver offers a range of construction services, from periodic inspections to comprehensive resident inspection services. Our expertise extends throughout the project lifecycle, providing support from the initial advertisement phase to bid opening and final project closeout.

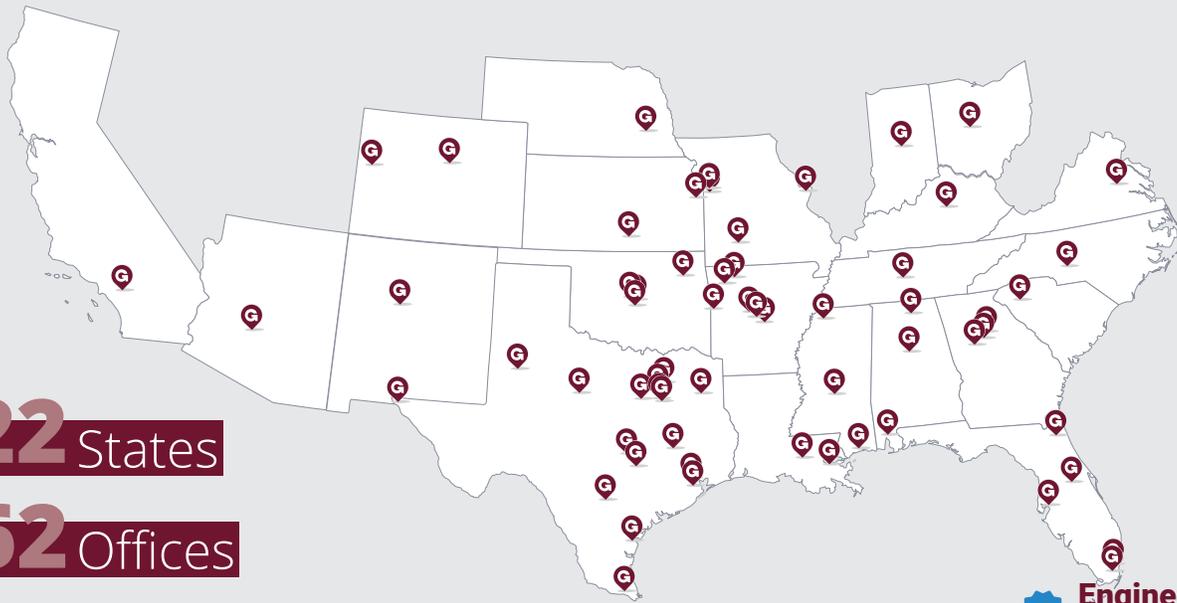
## TRAILS & SIDEWALKS

As part of our commitment to healthy and safe communities, Garver recognizes the importance of pedestrian-friendly environments. Our designs include trail and pedestrian-use facilities, environmental clearance, right of way, signal and lighting, landscaping, and beautification.

## TRANSPORTATION PLANNING

Garver supports long-range planning, corridor studies/assessments, PELs, and system evaluations, backed by strong public engagement and a deep understanding of federal and state requirements. We provide practical and implementable planning solutions that advance projects from concept through delivery.





**Engineering News-Record**  
2025 Top 500 Design Firms  
#88 Nationwide

**22** States

**62** Offices

**1,400+** Employees



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