



**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:

Garver, LLC

Firm Contact Name:

Mac Milburn, PE

Contact Email
Address:

MSMilburn@GarverUSA.com

Firm's Mailing Address:

7509 NW Tiffany Springs Pkwy, Ste 200 Kansas City, MO

64153

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: Roadway Design

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) Roadway Design projects. Several Garver staff have completed the LPA training certification class, and Garver is on MoDOT's approved list of prequalified consultants.

GENERAL EXPERIENCE OF THE FIRM

Established in 1919, Garver brings more than 100 years of roadway engineering experience and a long, proven history of delivering on-call roadway design services for state DOTs and local governments. Our Team has supported on-demand roadway, bridge, interchange, traffic, and multimodal design needs through decades-long relationships with agencies including MDOT (statewide on-call services since 2001), ARDOT (continuous on-call contracts since 2002), and ODOT (on-demand engineering support for over 29 years). Across these programs, Garver has designed hundreds of miles of roadway and numerous bridges, interchanges, and traffic systems—demonstrating deep expertise and reliability in meeting the recurring, fast-response needs of DOT clients.

With a long history of providing both rehabilitation/reconstruction on existing infrastructure and construction on new alignments, Garver can perform all work and services required for this contract, including rehabilitation and widening with overlay, resurfacing, pavement reconstruction, stormwater analysis and design, utility design and coordination, right of way (ROW), environmental clearance, traffic signals and lighting, general lighting, survey, sidewalks and trails, and parking lot design. Garver's roadway engineers consider all factors in developing practical and cost-effective design solutions for new location, relocation, reconstruction, or improvement projects. Each project is unique with specific design considerations, such as geotechnical conditions, utilities, ROW, constructability, and maintenance of traffic. Garver's roadway Teams work collaboratively with other technical disciplines to provide comprehensive solutions.



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.

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 compliant, shovel-ready projects. 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.

► **Missouri Department of Transportation | On-Call Roadway Design.** Garver has delivered a wide range of on-call roadway projects across multiple MoDOT Districts, providing fast-response design support for resurfacing, replacements, and safety improvements. Recent assignments include **roadway enhancements on Route J bridge over Clear Creek**, bridge and **roadway design for Route P over Dry Fork Creek**, and comprehensive **resurfacing and ADA upgrades along Route 63 in Macon County**. Garver also designed the new **Route N bridge and roadway improvements over I-70** and completed **safety and widening improvements along SE Howell Route 17**, demonstrating Garver's depth of experience in delivering a wide range of designs under MoDOT's on-call contracts.

► **Mississippi Department of Transportation (MDOT) | On-Call Roadway Engineering Services.** Garver has provided on-call roadway engineering services statewide for MDOT since 2001. During that time, Garver has designed over 600 miles of roadway, over 150 bridges, 18 interchanges, and 76 traffic signals.

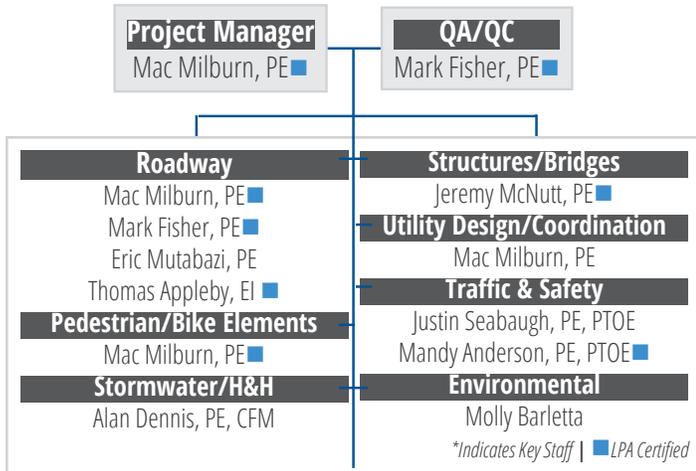
► **Arkansas Department of Transportation (ARDOT) | On-Call Roadway Engineering Services.** Garver has worked with ARDOT for more than a century, including performing consecutive on-call contracts since 2002. Projects include roadway design, traffic signal design, Safe Routes to School, planning, environmental, bridge design, and surveys.

► **Oklahoma Department of Transportation (ODOT) | On-Demand Engineering Services.** Garver has provided on-demand engineering services for ODOT for over 29 years. Garver has assisted in the completion of more than 100 miles of roadway, seven interchanges, and over 10 miles of bridges.

City of Wichita, KS | On-Call Engineering Services. Garver has provided on-call roadway engineering, land surveying, and landscape architecture services for the City of Wichita, Kansas, for over three decades.

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 of our Key Team members who will complete these MoDOT LPA projects.



Mac Milburn, PE, is the Kansas City Municipal Team Leader with seven years of experience overseeing roadway, ADA, and pedestrian design enhancements to improve corridor safety and accessibility. His expertise in multimodal design, signal upgrades, and coordination with railroads and utilities provides compliant, cost-effective solutions that meet MoDOT standards and enhance both vehicular and pedestrian safety.

Mark Fisher, PE, is a senior project manager with 33 years of experience with over 20 years managing projects for MoDOT KC District, and developing 200+ projects from concept to letting. Mark will apply his deep understanding of MoDOT processes and preferences to any LPA projects.

Eric Mutabazi, PE, is a project engineer and has six years of experience including designs for roadway and drainage, bridge replacement, interchange, and ADA safety improvements for MoDOT and KC metro municipalities.

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.

Jeremy McNutt, PE, is Garver's Missouri Bridge Team Leader with 26 years of experience in bridge design, construction inspection, and project management. Jeremy has vast experience with MoDOT having served as project

manager for Garver's St. Francis River bridge replacement along with several other recent MoDOT bridge projects.



Thomas Appleby, EI, is a project engineer specializing in municipal transportation projects with experience in roadway design for DOT and municipal clients. His work includes providing design assistance to MoDOT I-70 Blue Springs to Odessa Design Build project, the City of Lee's Summit Ward Road and Persels Road Intersection Improvements, and SS4A projects.



Justin Seabaugh, PE, PTOE, is a project manager bringing 12 years of experience in transportation impact studies, traffic modeling, signal timing, and comprehensive safety analysis, leading corridor studies, RSAs, safety plans, and multimodal evaluations using advanced analytical tools. His expertise in traffic forecasting, design alternative evaluation, and signal coordination is supported by hands-on work with signal systems and ITS components.



Amanda (Mandy) Anderson, PE, PTOE, has 23 years of experience and will lead traffic safety studies while assisting with project management. Residing in the Kansas City area, Mandy's management experience includes handling multiple task orders for on-call contracts, performing work to MoDOT standards, and providing responsive service to MoDOT's pressing needs. Mandy's recent experience includes leading rural safety projects from on-call contracts for KDOT.



Molly Barletta, Project Manager, is Garver's Missouri Transportation Planning and Environmental Team Leader, bringing 23 years of experience in transportation, military, and environmental planning, including more than a decade managing NEPA and planning studies.

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 as part of 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 engineering services for the construction of approximately 1.5 miles of a new, 4-lane major arterial with curb and gutter, enclosed stormwater systems, sidewalks, shared-use paths, lighting, signage, pavement markings, and landscaping features. To create a safer and more efficient corridor, accommodate current and future growth needs, and promote economic investment along the corridor, critical issues were addressed including the alignment and approach of Blue Parkway onto Colbern Road, the roundabout, increased vehicle capacity, pedestrian access and safety within the corridor, and traffic access and management.

The project involved survey, roadway and bridge design, traffic data collection, traffic studies, waterline and gravity sewer design, preparation of property acquisition documents, geotechnical investigations, environmental services (NEPA), utility coordination, maintenance of traffic design, erosion control design, and the preparation of preliminary, ROW, and final construction plans and the project construction manual, landscape design, signal and lighting design, public involvement, airport coordination and permitting, and construction inspection. Stakeholder involvement and coordination with Union Pacific Railroad (including obtaining a rail permit), the City of Lee's Summit, Unity Village, and MoDOT were crucial to the project schedule.



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

Garver delivered full roadway design services for the 310th Place bridge replacement including survey, preliminary and final roadway design, cost estimating, and right of way plan development in coordination with the MoDOT LPA process. The project included hydraulic modeling, environmental permitting, and construction support to ensure proper roadway approach design and seamless integration with the new bridge structure.



Ward Road and Persels Road Intersection Realignment | City of Lee's Summit, MO

Garver is delivering roadway and municipal design services to realign the offset Ward Road/Persels Road intersections into a single four-legged signalized intersection and widen Ward Road to add turn lanes and improve access management. The project incorporates multimodal and municipal improvements including shared-use paths, sidewalks, lighting, stormwater, utility relocations, MSE retaining walls, signage, pavement markings, and streetscape elements, supported by a traffic study that guided the roadway design. This MoDOT LPA project enhances safety, corridor operations, and community connectivity while coordinating closely with City utilities and adjacent signal systems.

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 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 projects and 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

Mac Milburn, PE

Project Manager

918-858-4852 | MSMilburn@GarverUSA.com



**Missouri's
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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

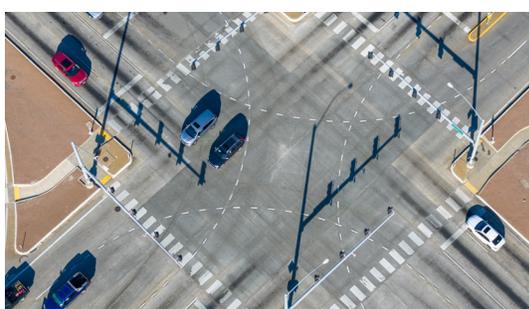
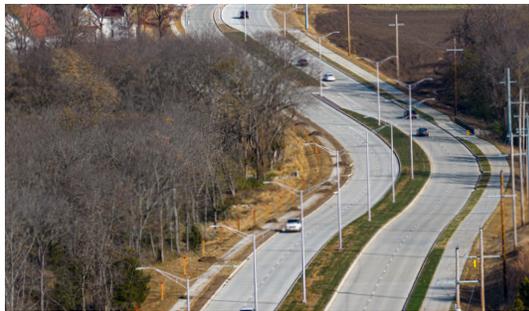
Thorough testing and inspection of construction materials are essential for the successful completion of projects. Our Team collaborates closely with your staff, acting as your on-site representative to support effective communication with contractors and uphold construction quality. Garver offers a 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.

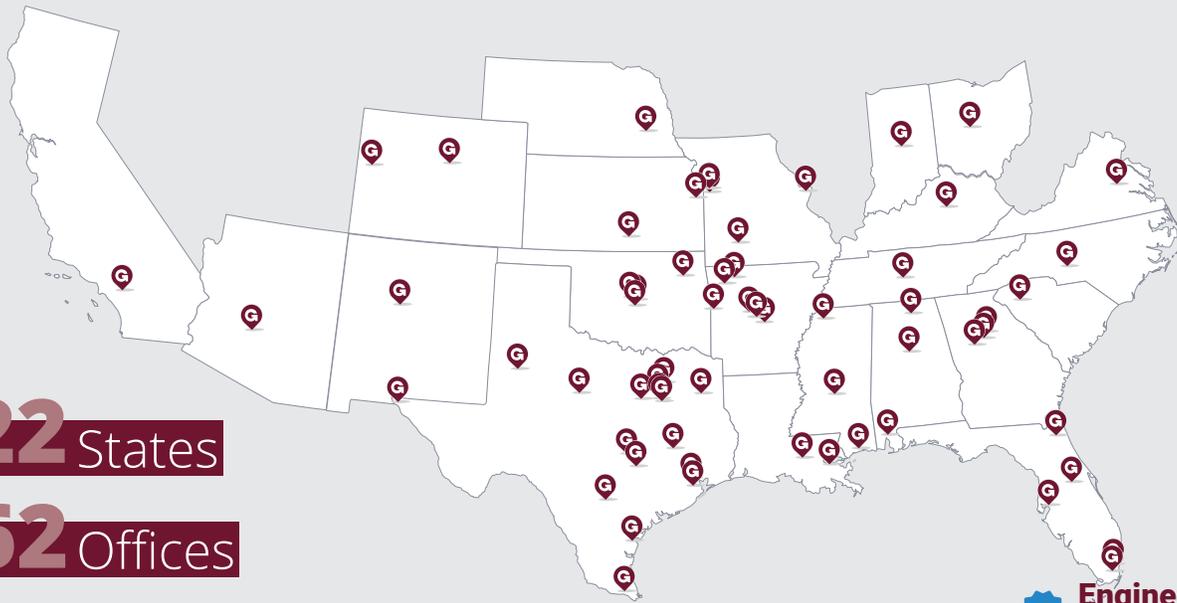
TRAILS & SIDEWALKS

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



JERRY IRVINE, PE

Transportation Team Leader

913-312-1842

JIrvine@GarverUSA.com



JEREMY McNUTT, PE

Bridge Regional Team Leader

816-849-2021

JAMcNutt@GarverUSA.com



MIKE SPAYD, PE, PTOE, RSP,

Traffic Practice Leader

314-296 4162

MLSpayd@GarverUSA.com



BRAD BUTLER

Construction Services Team Leader

913-955-2360

BJButler@GarverUSA.com



MOLLY BARLETTA

Planning & Environmental Team Leader

314-296-4248

MABarletta@GarverUSA.com



MAC MILBURN, PE

Missouri Municipal Team Leader

918-858-4852

MSMilburn@GarverUSA.com

12980 FOSTER STREET
SUITE 420
OVERLAND PARK, KS 66213

7509 NW TIFFANY SPRINGS PKWY
SUITE 200
KANSAS CITY, MO 64153

3851 S. JEFFERSON AVENUE
SPRINGFIELD, MO 65807

230 S. BEMISTON AVENUE
SUITE 900
ST. LOUIS, MO 63105



GarverUSA.com



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