



**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:

Griffin Smith, PE

Contact Email
Address:

GTSmith@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: Transportation Planning

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) Transportation Planning 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 engineering experience and a long, proven history of delivering on-call 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.

Our Team regularly conducts system evaluations, reviews federal and state requirements, identifies compliance gaps, and prepares planning strategies ranging from long-range plans and multimodal studies to corridor assessments, PELs, and implementation guides. Our strong outreach and engagement capabilities utilize in-person and virtual tools to collaborate with communities, gather meaningful input, and build consensus. With a long history of partnering with DOTs and local governments across multiple states, Garver consistently delivers planning solutions that are practical, compliant, and meet the unique needs of local agencies and their stakeholders.



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. 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.

Our Team has supported statewide and regional efforts for TxDOT, ODOT, and ARDOT including corridor studies, long-range planning, functional classification assessments, STIP modernization, and major grant development. This experience combined with our work on major MoDOT planning initiatives including the Forward 44 Purpose & Need Study and I-70 NEPA Re-Evaluations demonstrates our ability to assess corridor needs, analyze environmental and operational conditions, develop alternatives, and coordinate closely with local officials and the public.

➤ **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.

➤ **TxDOT ID for Engineering Services for Planning and Programming.** Garver is supporting TxDOT’s Transportation Planning and Programming Division conducting a comprehensive statewide assessment of the Texas roadway network’s functional classification system, including stakeholder outreach and development of a new functional classification concept manual and change request guide. We are also providing extensive support to TxDOT’s STIP program—facilitating meetings and workshops, coordinating with planning partners, preparing dynamic tools and SOPs, and assisting with modernization of STIP processes and documentation. In addition, Garver is helping advance statewide planning initiatives by improving planning and programming alignment and supporting long-range and regional planning efforts.

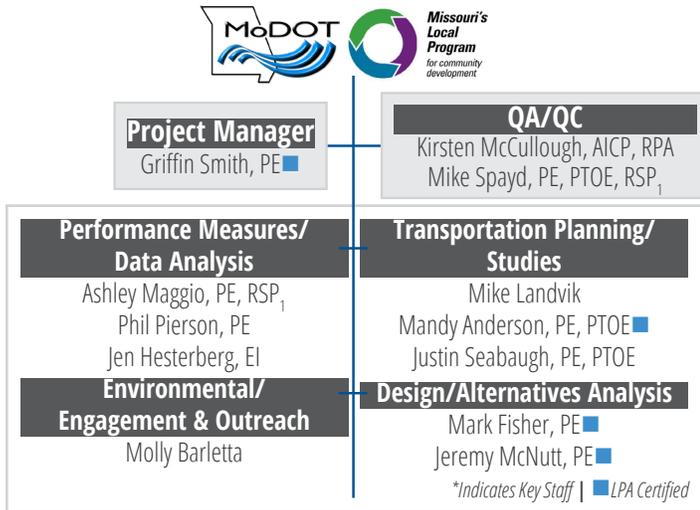
➤ **ODOT Transportation Planning Services.** Garver has provided a wide range of planning and grant-development task orders, including corridor studies, federal grant applications, and major project planning efforts. Our work spans multiple I-40 initiatives, US-81 and US-283 corridor studies, and strategic funding pursuits such as BUILD, INFRA, EDA, and bridge grant applications.

➤ **ARDOT On-Call Planning Services.** Since 2017, Garver has delivered extensive planning support for ARDOT and regional partners through numerous corridor studies, safety and STEP evaluations, and on-call planning contracts. Our work includes major highway studies, mobility

and connector planning for the Western North-South Connector, and Central Searcy Mobility Study. We have also supported regional planning initiatives through the Metroplan SMART Streets Plan and helped advance significant funding pursuits including the I-57 RAISE Grant.

QUALIFICATIONS OF PERSONNEL

The Garver Team is familiar with MoDOT standards, policies, and procedures, and pledges to deliver the quality 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.



Griffin Smith, PE, has 16 years of experience specializing in transportation planning, traffic safety studies, and conceptual design. Before joining Garver, he spent 12 years at MoDOT where he led teams in all aspects of transportation including planning, traffic, materials, and maintenance. In recent roles including Deputy Project Manager on the Forward 44 Purpose and Need Study, he integrates traffic studies, stakeholder input, and long-term planning goals to deliver practical, implementable solutions that improve corridor safety and function.

Kirsten McCullough, AICP, RPA, QA/QC, has 25 years of experience in location studies, NEPA documentation, and resource management. Kirsten's technical expertise includes transportation needs analysis, alternatives analysis, agency coordination, public involvement, and completing environmental documents.

Mike Spayd, PE, PTOE, RSP₁, QA/QC, has over 21 years of experience in transportation impact studies, signal timing and design, advanced traffic modeling, and comprehensive safety evaluations, including CMF/SPF development and systemic safety planning. His leadership on MoDOT and regional traffic and safety projects delivers compliant, defensible, and cost-effective solutions, translating complex technical analyses into clear, data-driven recommendations that improve operations and safety.

Ashley Maggio, PE, RSP₁, has nine years of experience working on projects for municipalities and DOTs involving traffic safety and operations and project prioritization. She has delivered major MoDOT corridor studies, developed

CMF- and SPF-based countermeasures and applied data-driven tools—including crash analysis, benefit-cost evaluations, and GIS hotspot identification—to prioritize over \$1.5M in safety improvements.



Phil Pierson, PE, is a Project Engineer with 12 years of experience and works in our St. Louis office. Phil evaluated crash data, developed crash rates, and created crash diagrams for Garver's urban corridor projects in Springfield, MO. Phil's prior experience at MoDOT's St. Louis District brings knowledge of the Engineering Policy Guide (EPG) and MoDOT standards and practices.



Jennifer Hesterberg, EI, has four years of experience in modeling traffic operations using Synchro/SimTraffic and evaluating large crash datasets in ArcGIS to identify trends and high-risk locations. She develops clear analytical work products including maps, volume diagrams, crash graphics, and report summaries that translate complex data into actionable performance insights. Jennifer also supports operational assessments using HCS and contributes to signal design using MicroStation, strengthening her ability to link data analysis with practical transportation solutions.



Molly Barletta is Garver's Missouri Transportation Planning and Environmental Team Leader, bringing 23 years of experience in developing engagement plans, facilitating meetings, building stakeholder relationships, and gathering and incorporating community feedback into planning processes. Molly played a critical role in developing planning documentation for MoDOT's Forward 44 P&N Study and has led and supported outreach and documentation efforts on projects including Illinois DOT's Old Route 66 PEL Study and Long-Range Transportation Plan, and Milwaukee County's East-West BRT Corridor Study.



Mike Landvik brings 18 years of experience in transportation planning, having led corridor studies and PEL efforts for the City of Fort Worth and MoDOT's KC District. Since joining Garver, Mike has led planning studies across Garver's footprint including developing TxDOT's STIP documents and performing outreach to local stakeholders. He will apply his understanding of MoDOT guidance, public and stakeholder engagement, and alternatives analysis.



Amanda (Mandy) Anderson, PE, PTOE, has 23 years of experience and will lead traffic safety studies while assisting with project management. Mandy's expertise 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.



Justin Seabaugh, PE, PTOE, brings 12 years of experience leading corridor studies, safety analyses, RSAs, and multimodal evaluations. He applies advanced modeling and analysis tools including Synchro, VISSIM, HCS, and GIS-based crash evaluation to forecast future conditions, assess alternatives, and develop data-driven safety and operational recommendations. His combined technical and field experience enables him to deliver practical, defensible planning solutions.

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 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.

MoDOT Forward 44 Purpose and Need Study Southwest, Central, and St. Louis Districts | Various Counties.

Garver completed a P&N Study and identified prioritized segments, conceptual alternatives, and cost estimates for a 100-mile section of I-44 from St. Robert to the Franklin County/St. Louis County line. The Team analyzed physical, geometric, and existing conditions data to understand the overall corridor needs. Environmental constraints were collected to determine sensitive environmental resources within the corridor. Additionally, Garver coordinated with local officials and transportation officials, in conjunction with significant public involvement, to deliver the study on schedule.

MoDOT Improve I-70 NEPA Re-Evaluations | Multiple Counties. Garver provided environmental and engineering services for SIU 2 (a 60-mile segment with 13 interchanges) and SIU 5 (a 14-mile segment with two interchanges). For SIU 2, Garver conducted environmental constraint mapping, field studies, and prepared the Environmental Assessment re-evaluation, while for SIU 5, our Team completed the NEPA re-evaluation, CSR, traffic and safety analysis, interstate access justification report, and developed widening and interchange alternatives. Across both segments, Garver assessed updated impacts, ensured consistency with original NEPA documents, and updated environmental commitments to support future design and construction.

KDOT K-254 Corridor Management Plan (CMP) | Sedgwick and Butler Counties, KS. Garver developed the K-254 CMP which established a vision for this critical corridor between Wichita and El Dorado, addressing future development, safety, and operational needs. Key objectives include assessing existing conditions, conducting a market analysis, planning for land use through 2050, and creating a community engagement strategy and future roadway improvements. The plan involved data collection on traffic, land use, environmental constraints, and socio-economics. The plan included short- and long-term corridor improvements and a road map for KDOT and the communities along the corridor for future planning. Engagement with stakeholders and the community was central, involving public meetings, feedback, and detailed reporting to guide project phases.

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

Griffin Smith, PE, Project Manager
816-304-1445 | GTSmith@GarverUSA.com



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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

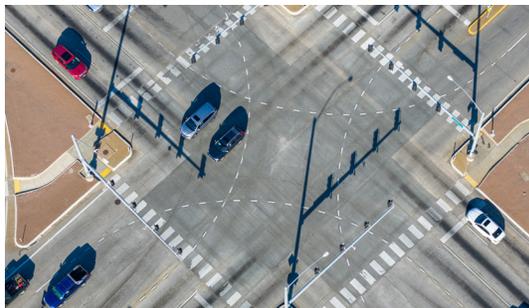
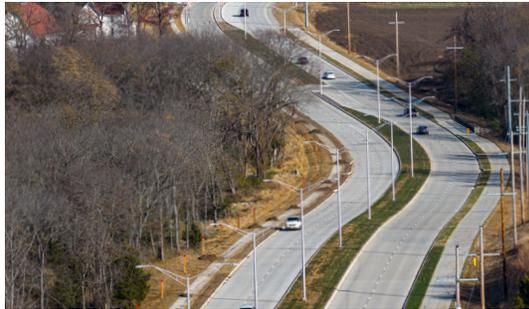
Thorough testing and inspection of construction materials are essential for the successful completion of projects. Our Team collaborates closely with your staff, acting as your on-site representative to support effective communication with contractors and uphold construction quality. Garver offers a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

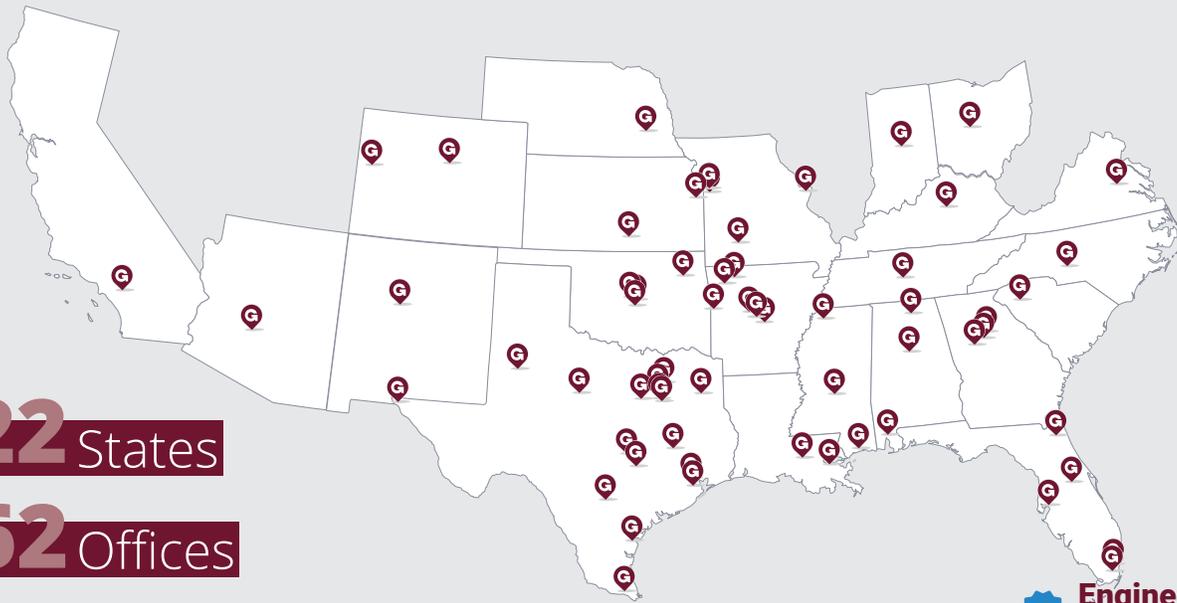
TRAILS & SIDEWALKS

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.





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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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