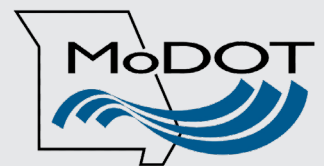




Exceeding Expectations



**Missouri's
Local
Program**
*for community
development*



► Full-Service Firm

Garver provides consultant services for roadway design, trails & sidewalks, construction inspection, traffic engineering & TEAP, structures, and environmental.

► Proven Excellence

Garver has built a reputation for delivering diligent service and leading-edge design, and strong work ethic that has resulted in quality projects and lasting relationships. Our tailor-made designs are based on decades of proven excellence.

► Smart Project Solutions

We've continually supported the growth of communities across Garver's footprint by customizing project solutions using our extensive resources and nationally recognized experts. At Garver, we understand the challenges that our clients face and find the most creative solutions to meet their needs.



THE ROAD TO COMPLETION

Founded in 1919, Garver is an employee-owned multidisciplined engineering, planning, and environmental services firm with more than 1,000 employees across the United States. Offering a wide range of services focused on transportation, construction, facilities, federal, survey, aviation, water, and wastewater. Garver sits in the top 105 of the Engineering News-Record's (ENR) Top 500 Design Firms list and sits at number 120 for the ENR Top Environmental Firms list.

STRUCTURES

- Long and short-span structures (steel and concrete)
- Bridge inspection, rehabilitation, widening, overlays, redecking, bridge raises, and seismic retrofits
- Sound walls and retaining walls
- Lighting and sign structures
- Hydraulic and grade separation structures including Railroad Crossings
- 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)
- Bridge Load Rating
- Historic Bridge Analysis and Rehabilitation

TRAILS AND 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

ROADWAY DESIGN

- Preliminary Engineering and Alignment Studies
- Local roads and streets design
- Interstate, freeway, and highway design
- Interchange design
- Pavement evaluation and rehabilitation
- Intersection and roundabout design
- ADA, sidewalks, and wheelchair ramps
- Storm sewer design
- Open channel and median drainage design
- Utility design and relocation
- Street enhancements/Complete Streets
- Right of way
- Street Lighting

TRAFFIC ENGINEERING & TEAP

- Intersection and roundabout design
- Signal design and timings
- Signing and pavement marking plans
- Traffic forecasting
- Intelligent Transportation Systems (ITS)
- Sidewalks and wheelchair ramps
- Maintenance of traffic plans
- Traffic Simulations
- Traffic studies
- Safety studies
- Multimodal studies and design
- Access Management Studies
- Corridor Studies
- Benefit/cost analysis

ENVIRONMENTAL

- Environmental Assessments
- Environmental impact Statements
- Environmental reevaluations
- Categorical Exclusions
- NEPA documentation
- Environmental noise studies
- Environmental cultural studies
- Wetland/Stream Delineations
- Species Surveys, Habitat Assessments, and analysis
- Geographic Information Systems (GIS)
- Planning and Environmental Linkage (PEL) Studies
- Wetland and Stream Mitigation Design
- Section 4(f)/6(f) Evaluations
- Hazardous Materials Review
- Stormwater and Spill Contingency Plans

CONSTRUCTION INSPECTION

- Contract administration
- On-site resident engineering
- Shop drawing management
- Materials testing coordination
- Final project closeout and audits
- Bridge and structure inspections
- Stormwater and BMP inspections
- Bridge coating/painting inspections
- Utility coordination/relocation inspections
- Critical path method (CPM) schedule evaluations
- Change order review and negotiations
- Construction contract claim review
- Pre-bid and progress meetings
- Contractor Davis Bacon payroll reviews



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.

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.

ROADWAY DESIGN

Garver's roadway engineers consider all factors in developing practical and cost-effective design solutions when providing improvements for both new and existing roadway facilities. Our experience includes concept development, alternative analysis, widening, resurfacing, pavement reconstruction, utility design and coordination, right of way, environmental clearance, traffic signals and lighting, general lighting, survey, 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 experience includes signalization, signing, lighting and pavement markings, corridor safety and operational analysis, intersection safety and operational analysis, speed limit reviews, sign inventory, pedestrian and bike route analysis, and parking studies, and traffic signal timing.

ENVIRONMENTAL

Garver offers full-service environmental capabilities to our clients, including environmental studies, NEPA documentation, field surveys and analysis, species surveys, habitat assessments and analysis, noise analysis, socioeconomic impact analysis, public involvement, and agency coordination. Clients trust Garver to build a cooperative relationship with regulatory and resource agencies and to provide environmental studies, permitting, and documentation according to current regulations.

CONSTRUCTION INSPECTION

Garver has a team of MoDOT certified construction inspectors capable of leading projects ranging in size from those that require a single inspector to those requiring complex teams. Garver provides construction inspection, materials sampling, and testing services, and geotechnical work. Our staff schedule/ conduct/attend construction related meetings; review progress schedules, shop drawings, cost proposals, change orders, and claims requests. In addition to the services bulleted to the left, Garver's capabilities include the identification and resolution of issues relating to materials, work progress, change orders, and disputes. To deliver successful projects, our inspectors serve as active members of the construction team and focus on project safety, schedule, and impacts to the public, as well as enforce contract requirements.

“Garver has provided us outstanding service in the completion of this project, and we would recommend them for future service.”

CHAD THOMPSON, PE

*Assistant City Engineer
City of Kansas City, MO*



ACEC

**Engineering
News-Record**

 2022 Top 105
Design Firms
#102 Nationwide

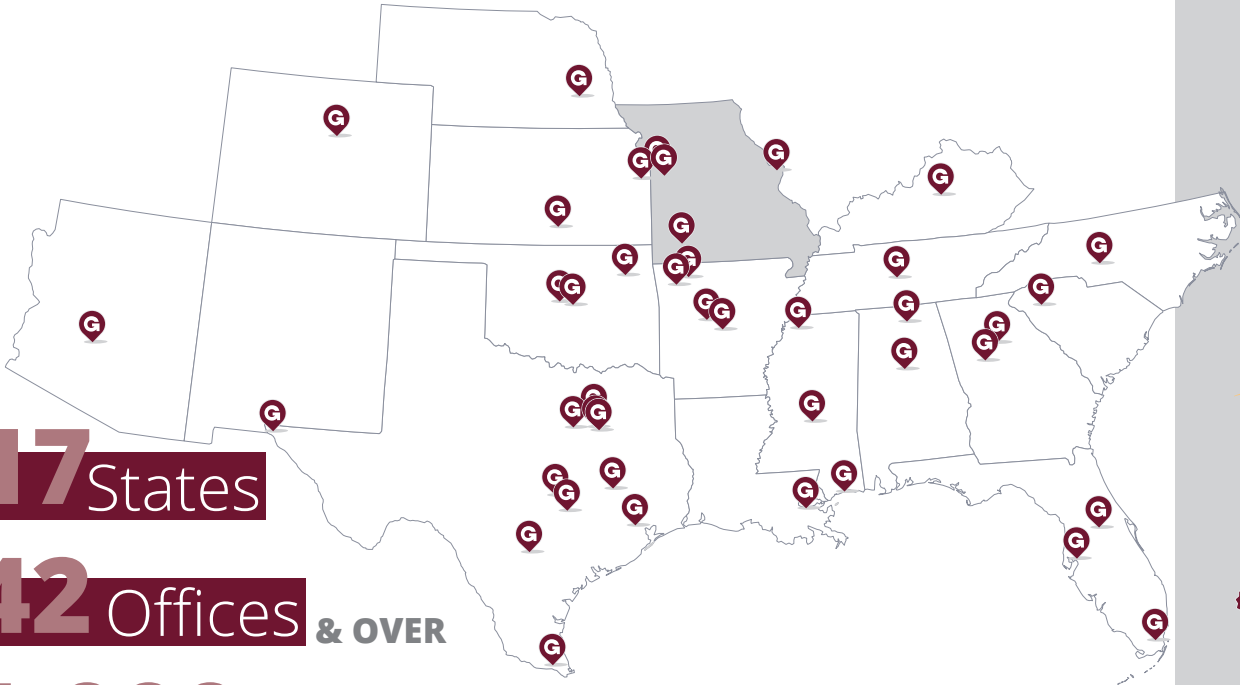
**Engineering
News-Record**

 2022 Top 200
Environmental
Design Firms
#120 Nationwide

17 States

42 Offices & OVER

1,000 Employees



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