



Ste. Genevieve, MO • Belleville, IL • Glen Carbon, IL
 Peoria, IL • Champaign, IL • Geneva, IL
 Evansville, IN • St. Paul, MN



> About Our Company

Kaskaskia Engineering Group, LLC (KEG), founded in 2006, is a majority woman-owned firm delivering exceptional engineering and contracting services through technical expertise, collaboration, and proactive communication. Our diverse capabilities allow us to approach projects holistically, considering every phase and stakeholder need.

For over a decade, KEG has provided The Missouri Department of Transportation (MoDOT) with quality services in transportation engineering, environmental studies, structural engineering, geotechnical engineering, and value engineering. Building on this experience - and our work with other DOTs and Local Public Agencies (LPAs) - we are more than capable to expand our services in Missouri through MoDOT's LPA program. Known for responsiveness and local expertise, we deliver timely, practical solutions tailored to Missouri communities and MoDOT requirements. Additionally, KEG has local staff in Missouri who are able to mobilize quickly and provide both field work and design solutions for this on-call contract. We will be a responsive, flexible, multidisciplinary partner for MoDOT's LPA projects. **For this pursuit, we are seeking to be listed in the categories of Roadway Design; Traffic Engineering and TEAP; Structures; Environmental; and the new category of Transportation Planning.**

> How We Serve LPAs

KEG began as a firm that served the needs of our local community. Although we have grown substantially in our almost 20 years in business, our passion for assisting LPAs with their infrastructure needs remains the same. We have decades of experience not only in consulting for local agencies in transportation planning and design, but also working hand-in-hand with local leaders and administrations for cost-effective and timely solutions to their local roads and bridges. **Additionally, KEG is fully prequalified with MoDOT, including the E-Verify, Financial, Federal Aid Basic Training, Bridge Forms, and Bridge QC/QA Plan prequalifications.**

Corporate Office

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Authorized Negotiator

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> Certifications

CERTIFIED DBE

Missouri Regional Certification Committee

LICENSED WBE

Missouri Office of Administration Office of Equal Opportunity

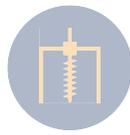
WOMEN-OWNED SMALL BUSINESS (WOSB)

Small Business Administration

WOMEN BUSINESS ENTERPRISE NATIONAL COUNCIL (WBENC)



Key Services



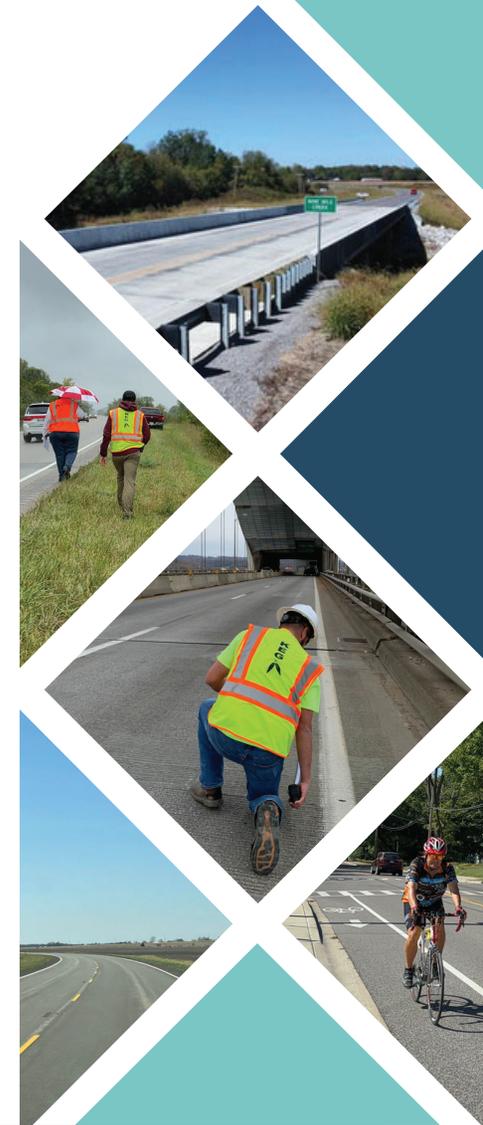
Transportation Planning & Design

Applicable Work Categories: Roadway Design, Traffic Engineering & TEAP, Environmental, and Transportation Planning

Our Transportation Planners and Engineers are able to take a concept and move the idea forward towards reality, balancing the impacts and benefits to the local community. We have performed transportation planning for projects that range in size from small projects with localized impacts to large projects that have regional and statewide significance. We have the education, training, and experience to design multi-modal transportation projects that enhance our communities by increasing safety, providing mobility, reducing pollution, and spurring economic development. Our design services improve our communities and the lives of those in them, while creating job opportunities and respecting the environment in which we live.

Services Include:

- Long Range Planning Studies
- Feasibility Studies
- Community Comprehensive Plans
- High Speed Rail Studies
- Public Involvement
- Purpose & Need Statements
- Demographic Studies
- Social & Economic Studies
- Cohesive Analysis of Land Use
- Neighborhood & Community Cohesive Impacts Studies
- Traffic Analysis Studies
- Interchange Access Justification Reports
- Interchange Design Studies
- Intersection Design Studies
- Development Impact Studies
- Intermodal Analysis & Studies
- Roadway Conditions Analysis
- Analysis of Roadway Networks
- Multi-Use Path Studies & Needs Analysis
- Multi-Modal Transportation Studies
- Master Planning
- Traffic Modeling
- Traffic Counts
- Traffic Signal Coordination & Timing
- New Alignments, Realignment, & Resurfacing
- Highway Plans, Cost Estimates, & Specifications
- Local Agency Road Plans, Cost Estimates, Specifications, & Bid Analysis
- Design of Multi-Modal Components
- Drainage Analysis & Improvement Plans
- Traffic Control Plans
- Utility Coordination & Engineering
- Land Title/ROW Negotiation
- Pavement Design & Life-Cycle Cost Analysis
- Maintenance of Traffic Plans
- Signing & Pavement Marking Plans
- Traffic Signal Design
- Design/Build Partnerships
- Streetscape Design
- Water & Sewer Line Relocation/Replacement Plans
- QC/QA Plan Review
- Value Engineering
- Public-Private Partnerships



KEG's LPA Project Highlights

Centreville Avenue Resurfacing Belleville, Illinois

- Phase I/II engineering design
- Utility relocation
- Planning and preliminary engineering
- Contract quantity calculation and special provisions
- Bid analysis
- Grant writing

DeKalb ADA Improvements DeKalb, Illinois

- Design-Build for 65 ADA Improvements for intersections in a local subdivision
- GIS Database
- Quantities, schedules, and budgeting
- PROWAG compliance

Edwardsville North Main Streetscape Edwardsville, Illinois

- Beautification and pedestrian safety improvements
- ADA upgrades
- Planning and preliminary engineering
- Environmental compliance
- Streetscape design, ROW determination, preliminary and final plans, specifications, and estimates
- Water main relocation and sewer lining

Key Services



Structural Engineering

Applicable Work Category: Structures

KEG's Structural Engineering Team brings extensive experience, exceptional education, and professional licensure to every project. Our engineers inspect, plan, and design a wide range of structures - including buildings, bridges, retaining walls, culverts, and other structure types. While our structures portfolio includes major projects like the **MoDOT Bootheel Design-Build project bundle**, our Team also routinely delivers high-quality services for rural bridge rehabilitations and replacements. No matter the size, we approach each structural assignment with a focus on safety, performance, constructability, and long-term durability, while also respecting the client's aesthetic desires and cost considerations.

Services Include:

- Steel Bridge Design
- Concrete Bridge Design
- Foundation and Pile Design
- Type, Size, and Location (TS&L) Details
- Bridge Planning
- Bridge Condition Reports
- Erection Plans
- Load Ratings & Capabilities
- Pre-Cast Culvert Design
- Cast-in-Place Culvert Design
- Temporary Shoring Plans and Design
- Retaining Wall Design
- Sign Structure Design
- Sign Truss Inspection
- Lighting and Signal Poles
- Bridge Painting Plans
- NBIS Bridge Inspections
- Element Level Bridge Inspections
- Bridge Management
- ITS Structures
- Hydraulic and Hydrologic Studies, Analysis, and Reporting



Geotechnical Engineering

Applicable Work Categories: Roadway Design, Structures

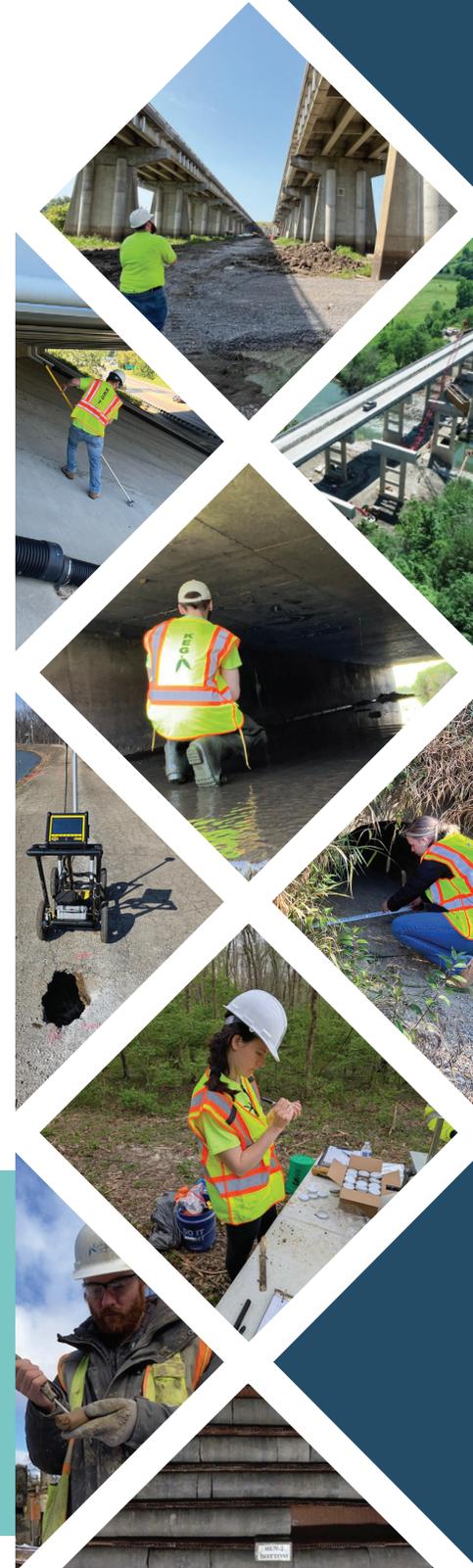
Our geotechnical engineers and geologist are proficient in the application of soil and engineering mechanics, subsurface exploration methods, and laboratory investigation techniques. KEG has the expertise to investigate and evaluate complex subsurface conditions. We have performed geotechnical investigations for major river crossings, levees, municipal buildings, commercial and industrial developments, landslides, bridges, retaining walls, roads, utilities, tunnels, and dams.

Services Include:

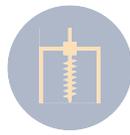
- Subsurface Exploration
- Geotechnical Reports
- Slope Stability Analysis
- Site Suitability Evaluation
- Foundation Engineering & Analysis
- Pavement and Subgrade Design
- Standard and Reinforced Earthen Slope and Embankment Design
- Review of Excavation Bracing
- Earth Dam and Levee Assessment
- Excavation Assessment and Design
- Retaining Wall Assessment and Design
- Subsidence and Landslide Remediation
- Foundation Installation Monitoring
- Tunnel Installation Monitoring
- Slope Failure Investigations
- Sinkhole Investigations
- Foundation Underpinning Consulting
- Seismic Surveys
- Ground Penetrating Radar (GPR) Surveys
- Frequency Domain Electromagnetic (FDEM) Imaging
- Electrical Resistivity
- Specification Preparation or Review
- Earthwork Monitoring
- Groundwater Monitoring

Route C Bridges Over Turkey Creek

KEG completed **subsurface exploration and analysis** for two single-span **bridge replacements along Route C in Carroll County, Missouri**, after the structures were damaged or washed out due to Spring flooding in 2019.



Key Services



Civil Design & Engineering

Applicable Work Categories: Roadway Design, Traffic Engineering & TEAP, and Structures

KEG's civil engineers, planners, and GIS technicians bring the technical expertise and practical experience required to support the development of residential subdivisions, public building projects and expansions, commercial sites, shopping centers, and industrial parks. Our team has delivered successful civil design solutions for projects ranging from small, single-site developments to large, high-traffic, multi-use facilities.

Services Include:

- Development Feasibility Studies
- Subdivision Platting and Zoning
- Master Development and Land Planning
- Stormwater Management, Detention and Retention Basins, and Outfall Systems
- Water Supply and Distribution Systems
- Wastewater Collection
- Site Layout, Grading, and Earthwork Design
- Cost Estimates/Value Engineering
- Local, State, and Federal Permitting
- Intersection Design Studies
- Roadway Widening and Traffic Signal Plans
- EPA Stormwater Pollution Prevention Plans
- Traffic Engineering
- NPDES Permit Applications and Programs
- Conceptual Site Plan Rendering
- Demolition Plans
- Land Title Negotiation



Environmental & Planning

Applicable Work Categories: Environmental, Transportation Planning

Our environmental scientists and engineers understand the diverse federal and state policies and procedures associated with both large and small-scale assignments. Our team can shepherd any project through these cumbersome regulations to bring value to the community, improve the project's efficiency, and respect and preserve the environment.

Services Include:

- Environmental Impact Statements (EIS)
- Environmental Assessments (EA)
- Preliminary Environmental Site Assessments (PESA)
- Categorical Exclusions (CE)
- Wetland Delineations
- Plant Ecology
- Resource Agency Permitting
- Threatened and Endangered Species Identification
- Noise Studies
- Wetland Mitigation
- Section 404/401 Permitting
- Biological Surveys and Analysis
- Floodplain Management Studies
- Air Quality Analysis
- Archeological Resource Identification
- Agriculture Impact Studies
- Historic Resource Identification and Section 106 Report
- Cultural Resource Coordination
- Open Space, Recreational, and 4(f) Studies

Our Philosophy & Purpose

KEG's purpose is to make the world a better place through the practice of engineering, and our partnerships with Missouri's LPAs would allow us to put that purpose into action. Together, we hope to plan and design projects that strengthen communities, support economic growth, and honor the natural environment. Our commitment to excellence and dedication to public service set us apart from other engineering firms, and we look forward to the opportunity to bring that philosophy into our work in Missouri.

