

www.kaskaskiaeng.com

Our History

Kaskaskia Engineering Group, LLC (KEG) is a 100% woman-owned and managed engineering and contracting firm that was founded in 2006. We have established professional relationships with The Federal Highway Administration, the Missouri Department of Transportation (MoDOT), the Missouri Department of Natural Resources, the Metropolitan St. Louis Sewer District, the St. Louis Board of Public Service, East-West Gateway Council of Governments, the U.S. Army Corps of Engineers, and area leaders. The diversity of our in-house services affords us the ability to understand more than just how to complete a project. It allows us to view projects with a holistic approach - considering all phases of projects, as well as environmental, client, and stakeholder needs. KEG is passionate about assisting local public agencies (LPAs) with their infrastructure needs. We have decades of experience in not only 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.

Our offices are located in Ste. Genevieve, Missouri; Belleville, Glen Carbon, Champaign, Macomb, Peoria, and Geneva, Illinois; Evansville, Indiana; and Saint Paul, Minnesota. 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

Kaskaskia Engineering Group, LLC
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618.233.5877 phone

Authorized Negotiator

Geri Donze-Boyer, PE
President & Founder
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Workforce Diversity

KEG is a certified Disadvantaged Business Enterprise (DBE) through the Missouri Regional Certification Committee, licensed as a Women's Business Enterprise (WBE) by the Missouri Office of Administration Office of Equal Opportunity, and is recognized as a Women-Owned Small Business (WOSB) by the Small Business Administration.

As a woman-owned and founded engineering firm, diversity and inclusion is engrained in our culture. It is at the forefront of our decision-making and, we believe, makes us a more ethical and reliable partner. With strong diversity of cultures and genders, you have a more collaborative mindset. We feel our inclusive nature lends itself positively to both teaming and client relationships, as well. We plan to bring a diverse staff to our project teams and feel we would be a valuable, inclusive partner for MoDOT.

KEG Diversity & Inclusion Statement

At KEG, we do not just accept difference - we embrace it, we champion it, and we thrive on it for the benefit of our team, our clients, and the service we provide. We are proud to be an equal opportunity workplace and are committed to building a team that proudly represents a variety of backgrounds, perspectives, and skill sets. Kaskaskia Engineering Group, LLC is an Equal Opportunity Employer. Qualified veterans, minorities, females, and persons with disabilities are encouraged to apply.

Our Philosophy & Purpose

KEG's purpose is to make the world a better place through the practice of engineering. Through partnerships with our clients and regulatory agencies, we plan, design, and build projects that enhance communities, spur economic development, and respect the environment.

We practice gratitude for our blessings by giving back to our communities through service projects and active participation in community organizations. It is this diversity and commitment to public service that separates us from most other engineering firms.

Key Services



**TRANSPORTATION
PLANNING & DESIGN**



**STRUCTURAL
ENGINEERING**



**CONSTRUCTION
MANAGEMENT**



**ENVIRONMENTAL
& PLANNING**



**GEOTECHNICAL
ENGINEERING**



**CIVIL ENGINEERING
& DESIGN**

KEY SERVICES.....

Transportation Planning & Design



**ROADWAY
DESIGN**



**TRAFFIC ENGINEERING
& TEAP**



ENVIRONMENTAL

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

LPA Project Highlights

CENTREVILLE AVENUE RESURFACING Belleville, Illinois

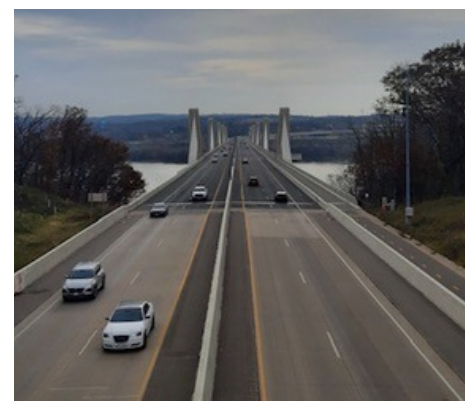
- Phase I/II engineering design
- Utility relocation
- Planning and preliminary engineering
- Contract quantity calculation and special provisions
- Bid analysis
- Grant writing

CITY OF 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



STRUCTURES

KEG's structural engineering team has the education, training, experience, and licensure to plan, design, and inspect a vast array of buildings, bridges, retaining walls, culverts, and other structure types. Our structural team ensures each project meets the safety, functionality, constructability, aesthetics, and cost effectiveness needs of the client.

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



STRUCTURES



ROADWAY DESIGN

Our geotechnical engineers are proficient in the application of soil and engineering mechanics, subsurface exploration methods, and laboratory investigation techniques. KEG has the experience and 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:

- Site Suitability Evaluation
- Structure Geotechnical Reports
- Roadway Geotechnical Reports
- Subsurface Exploration
- Foundation Engineering & Analysis
- Pavement and Subgrade Design
- Standard and Reinforced Earthen Slope and Embankment Design
- Review of Excavation Bracing
- Slope Stability Analysis
- Earth Dam and Levee Assessment
- Excavation Assessment and Design
- Retaining Wall Assessment and Design
- Seismic and Liquefaction Analysis
- Specification Preparation or Review
- Earthwork Monitoring
- Groundwater Monitoring
- Foundation Installation Monitoring
- Tunnel Installation Monitoring
- Slope Failure Investigations
- Sinkhole Investigations
- Foundation Underpinning Consulting
- Subsidence and Landslide Remediation



KEY SERVICES.....

Civil Design & Engineering



ROADWAY DESIGN



TRAFFIC ENGINEERING & TEAP



STRUCTURES

KEG's engineers, planners, and GIS technicians have the working knowledge and experience to assist owners in the development of residential subdivisions, new public buildings and expansions, commercial sites, shopping centers, and industrial parks. Our staff members have worked on successful projects that range from small, single site developments to large, high traffic volume generating developments.

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



ENVIRONMENTAL

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 in which we all live.

SERVICES INCLUDE:

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

