



**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: SK Design Group, Inc.

Firm Contact Name: Sassan Mahobian, PE, LEED AP, ENV SP - President

Contact Email

Address: sassan@skdg.com

Firm's Mailing Address: 4600 College Boulevard, Suite 100

Overland Park, KS

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**

C I V I L E N G I N E E R S S I N C E 1 9 8 9

December 12, 2025

MoDOT Central Office – Local Program, c/o LPAOnCall@modot.mo.govRe: **Missouri's Local Program (LPA) On-Call Services, Roadway Design** | SK Design Proposal No. 25p218

Dear Missouri's Local Program Advisory Committee and MoDOT:

The Missouri's Local Program Advisory Committee need qualified and responsive partners to perform on-call professional services for roadway design. **SK Design is ready to be that partner**, and here is why:



- ▶ **We are Local and Flexible** - SK Design Group is a local, small family-owned civil engineering business dedicated to quality and client service. The company was founded in 1989 in Overland Park, KS by Sassan and Katereh Mahobian. We have been providing world-class civil engineering solutions to the greater Kansas City area and throughout the state of Missouri for over 36 years. We understand MoDOT LPA's expectations and are ready to deliver results, regardless of project size.



- ▶ **We are Driven by Quality** - The quality of our services surpasses industry standards. We subscribe to the philosophy of a complete design, which requires virtually no additional clarification during construction. This philosophy requires thorough analysis and design of all aspects of the project. All details must be worked out, and all ambiguities resolved. Each of our design deliverables is reviewed by independent peers before it is submitted to our clients. This focus on producing high quality plans and documents has resulted in an average field change order rate of 0-3% on our projects, leading to 98% of our work coming from repeat customers.



- ▶ **We are Committed to Customer Service** - Exceptional customer service starts with listening, then requires responsiveness and follow through, and maintaining a partnership mindset. As principal-in-charge, you have my personal commitment that our team will listen to MoDOT LPA's needs, value your input, respond immediately (even after hours), and always be available until the work is complete.

Please give me a call at 913-451-1818 or email me at sassan@skdg.com. We look forward to hearing from you.

Sincerely,

Sassan Mahobian, PE, LEED AP, ENV SP – President | SK Design Group, Inc.

General Experience of Firm

SK Design has extensive streetscape and roadway design experience and has successfully completed projects for Kansas City, Missouri in the historic Library District, 12th Street corridor, Emanuel Cleaver II Boulevard, Second Street corridor and the Main Street master plan. We also have completed streetscape projects along Jayhawk Boulevard at the University of Kansas, 17th and Wyandotte next to the Kauffman Performing Arts Center and for many redevelopment projects in the KC metro area.

We also have a great relationship with KCATA and have been working on an IDIQ project with them for the past ten years on roadway, transit stations, ADA compliance, new sidewalks and some of their buildings. We have also developed a great relationship with the Unified Government through our ADA and bus transit improvements in KCK.

Past Performance

South Main Study and Design, Maryville, MO: SK Design's scope of services include public involvement process and data collection, road safety assessment, traffic analysis, plan development, final report. We were subsequently retained to develop final plans for phase one improvements identified in the study. The improvements include a new 3-lane roadway section with a center 2-way left turn lane, enclosed storm sewer, 8' multi-use path on the west, 5' sidewalk on the east and removal/reconfiguration of property access.

South Commercial Street Extension, Harrisonville, MO: The project consists of surveying, roadway design, limited environmental services as required by MoDOT, utility coordination, and hydraulic engineering services for the design and construction of the South Commercial Street Extension from South Brickplant Road to Brookhart Drive. The City's primary objective is to begin the project development as soon as possible to provide shorter and safer access to the southern industrial district and Interstate 49 for truck traffic. Due to the topography of the alignment, this project includes excavation up to 30 feet deep. This project also includes review and approval by MoDOT.

Oracle Cerner Innovations Campus, KCMO: SKDG was the civil engineer for the Oracle Cerner Innovations responsible for civil design of all site work, roadways and utilities. SK Design led a team of professionals such as traffic engineers, a lighting consultant, a signalization consultant and landscape architect. The project includes over eight miles of roadway improvements on and off the campus. The site is comprised of five mini-campuses with 4.5 million SF of multi-level buildings, including a corporate training center (hotel included), a campus health clinic, two data centers, a daycare center, and a service center. The plan also proposes a 400,000 SF retail/commercial development that includes a hotel and a grocery store and surface parking for ~15,700 spaces.

285th Street, Maryville, MO: In conjunction with the City of Maryville, Nodaway County Economic Development, and Kawasaki Manufacturing. Prepared a preliminary engineering report studying the feasibility of a new southbound only on-ramp connection from 285th street to Missouri Highway 71 to support economic development. The ramp connection required a break in access on Highway 71 requiring approval from MoDOT's State Transportation Commission. The report was submitted to MoDOT and the City for review and approval. After obtaining the break in access approval from MoDOT, SK Design was retained to develop Final Plans, Special Provisions, and Estimates for the 285th and the southbound on-ramp connection to Highway 71.

Blue Ridge Boulevard Streetscape, 83rd Street to Bannister Road, Kansas City, MO: SK Design was selected by the City to conduct a study along the Blue Ridge corridor from 83rd Street to Bannister Road. Our responsibilities include project management of a team of subconsultants, conducting public meetings, development of three concept plans, design of the preferred concept plan, and development of a budget and cost estimate for the City.

Parking Masterplan, Study and Design, KCMO Water Services: The 320-stall sustainable parking lot was divided into 6 similar parking bays with different surfaces and a series of associated outdoor environments. BMP's include: a bioswale, raingardens, pervious/porous/permeable pavements, bioretention cells, infiltration basins, and grasscrete. Each of the 4 different BMP parking bays were designed to the same measurements/watershed and with monitoring stations so that cost, water quality and water quantity comparisons could be easily made.

Missouri LPA On-Call | Roadway Design



Mick Deaver Drive, MU: Three-lane, 2500' roadway with extensive rock excavation, and retaining walls due to the severe topography. Project also required hydraulic analysis and design of a new box culvert. We were responsible for the study of initial design options, computer modeling, budget evaluation and complete construction documentation. The project was completed in 3 months.



Qualifications of Personnel

SASSAN MAHOBIAN, PE, LEED AP, ENV SP – PRINCIPAL IN CHARGE

EDUCATION & REGISTRATION

University of Missouri | MS Civil Engineering, University of Missouri-Kansas City | BS Civil Engineering
 Professional Engineer: MO, KS & CO | LEED Accredited Professional | Envision Sustainability Professional
 Sassan has served as the principal in charge, responsible for the coordination and design for most of our projects. He has years of diverse engineering experience ranging from small projects to multi-million-dollar developments. Sassan's knowledge of engineering fundamentals and their application coupled with his ability to manage projects and keep them on schedule has led to the successful growth of our company.



KATEREH MAHOBIAN, PE, LEED AP BD+C, ENV SP – DESIGN SUPPORT

EDUCATION & REGISTRATION

University of Kansas | MS Civil Engineering, University of Missouri-Kansas City | BS Civil Engineering
 Professional Engineer: MO | LEED Accredited Professional BD+C | Envision Sustainability Professional
 Katereh is responsible for managing the design and layout of several of our high-profile projects. Responsibilities include roadway and parking lot design, site layout, grading, drainage, and water line design. Katereh is one of the first LEED BD+C Accredited Professionals in the country and has worked on many LEED projects.



Familiarity/Capability

We have provided on call services to many clients, including MU, UCM, City of Overland Park, KU, Kansas City, Kansas, KCMO Aviation Department, Corps of Engineers, Veterans' Administration, and others. Our civil engineering staff is very familiar with MoDOT's standards and have received some of the highest ratings from MoDOT.

Our proven track record consists of many projects that involved federal funding including:

- ▶ Trolley-Blue River Connector Trail: Federal Project STP 3301 (443), KCMO: Project clearances in accordance with National Environmental Policy Act (NEPA) included COE404 permit for bank stabilization along Indian Creek, Section 401 Water Quality Certification from MDNR, Section 106, Section 106 Historic Preservation Clearance from MDNR and Section 4F parkland clearance. The project includes a 330 foot, two-span bike/pedestrian bridge over Indian Creek. A hydraulic analysis using HEC-1 was completed and a no-rise certificate issued for the bridge.
- ▶ U.S. Courthouse, Jefferson City, MO
- ▶ Department of Conservation Regional Offices, Jackson County, MO
- ▶ Upper Line Creek Valley Trail, KCMO: Federal Project STP 3301 (442): Provided environmental documentation.
- ▶ Blue River Trail, KCMO: Federal Project STP 3400 (412). Provided environmental documentation and no rise certificate for bridge over Blue River

We ensure that each team member has relevant experience on similar projects and is well versed in that design field. This results in a detailed depth of knowledge behind each decision made. We include team members who have experience working on MoDOT projects and have previously developed relationships with MoDOT officials. This exposure to MoDOT's systems, regulations, and typical practices allows for effective communication between MoDOT and the design team in a significantly shorter time frame. We demand that project principals are committed to the project from start to finish. We promise to attentively provide the necessary resources to complete projects through a consistent point of contact for the entire duration.

Accessibility

You can expect this proposed team to work from start to finish on these projects. Each team member has experience in the type of work for this project and is available to work on this project. Our engineers have proven themselves repeatedly regarding their ability to perform and achieve success, and they are industry veterans who have successfully completed many projects of similar size and scope. We have worked on multiple projects in the Kansas City metro, Springfield, Rolla, Lampe, Cape Girardeau, Columbia, Kirksville, Maryville, Warrensburg, St. Joseph, and Jefferson City. We can reach most sites within a couple of hours. We will be accessible by email, phone or in person whenever needed. Our clients can vouch to our accessibility.



SK Design Group

CIVIL ENGINEERS SINCE 1989

SK Design Group is a local, family-owned civil engineering business dedicated to quality and client service. The company was founded in 1989 in Overland Park, KS, by Sassan and Katereh Mahobian.

Our mission is to design infrastructure that builds and connects the communities in which we live, by providing world class civil-engineering services with the utmost focus on client satisfaction. Because we are small, we are focused and nimble, and the quality of our plans/designs has led to over 36 years of repeat business from loyal customers. **98% of our work comes from repeat business.** Our goal is to develop a long-term partnership by providing responsive, high-quality, and cost-effective solutions. Our success depends on your success.

Our philosophy on each project is to find the right design solution that balances our client's needs with cost, environmental stewardship, community impact, constructability, maintainability, aesthetics, safety, and schedule.

Our Services

TRANSPORTATION	UTILITIES	SITE PLANNING & DEVELOPMENT
New Roadways	Water Lines	Master Planning
Roundabouts	Storm Sewers	Siting of Buildings/Roads/Parking/Amenities
Streetscape Projects	Chilled Water Lines	Site Grading
Airfield Pavements	Sanitary Sewers	Site Utilities
Evaluation & Rehabilitation of Existing Roadways	Steam lines	Site Circulation
Multi-Modal Facilities	Power lines	ADA Accessibility
Bike/Hike Trails	Elect/Telecom Ductbanks	Permitting
Construction Observation & Administration Services	Gas lines	Stormwater Management

Over **\$125 Million** of roadways designed in the last ten years



100+ roadway and intersection improvement projects



140+ municipal projects in the last five years



Corporate Office - Kansas
4600 College Boulevard, Suite 100
Overland Park, KS 66211
913-451-1818



www.SKDG.com



**Oracle Center Innovations,
KCMO**



**South Main Improvements,
Maryville, MO**



**Iowa St Improvements (US-59),
23rd to Irving, Lawrence, KS**



**South Commercial Street
Extension, Harrisonville, MO**



**Mick Deaver Drive, University of
Missouri, Columbia, MO**



**Mill and Overlay of I-70 and 291
MoDOT, Greater KCMO**



**Jayhawk Boulevard
Reconstruction, KU, Lawrence**



**KC Water Services Department
Parking Improvements**



**Hwy 71 On-Ramp & 285th Street,
Improvements, Maryville, MO**



**Bus Ramps & Bridges
Kansas City International Airport**

MARKETS

-  EDUCATION
-  GOVERNMENT
-  ARCHITECTS
-  DEVELOPERS

SERVICES

-  SITE PLANNING & DEVELOPMENT
-  TRANSPORTATION
-  PARKING
-  STORMWATER MANAGEMENT
-  UTILITIES
-  TRAILS, PARKS & SPORTS FACILITIES
-  CIVIC FACILITIES
-  FIELD SERVICES

MoDOT District Choices

-  NW
-  KC
-  CD
-  SW

TRANSPORTATION

Our Scope of Services

-  New Roadways
-  Roundabouts
-  Streetscape Projects
-  Airfield Pavements
-  Evaluation & Rehabilitation of Existing Roadways
-  Construction Observation & Administration Services

We prepare route studies and plan our roadways to be functional as well as aesthetically pleasing. SK Design possesses a keen awareness of the interaction between pedestrians, vehicular traffic, and bus operations, and a true understanding of the established budget and schedule. Our designs engage pedestrians and bicycles when possible.

We team with landscape architects, traffic engineers, and other professionals to provide a complete design for our clients.



COORDINATION

Our projects undergo an extensive process of coordination of utilities. We do all our design in 3D and prepare precise horizontal and vertical alignments for all utilities to follow to minimize conflicts and delays during construction.



CLARITY

We understand the challenges associated with new roadways and reconstruction of existing roadways and strive to produce a design that is well thought through and requires virtually no clarification during construction.



CONSENSUS

We have worked with many sophisticated clients such as major universities, airports, and municipalities on their roadway reconstruction and know how to develop consensus amongst the stakeholders.

SK Design has extensive experience with bus service and has worked with clients such as the KCATA, KU, and KCI on their bus stations, platforms, bus maintenance facilities, and bus parking areas. SK Design has also worked on many pavement rehabilitation projects and is familiar with the necessary evaluation, plan preparation, and construction monitoring of pavement rehab projects.

We led a team of professionals on the Pavement Condition Index (PCI) study for over 65 lane miles of pavements at KCI and Downtown airports, prepared plans for the rehabilitation of roads and pavements in 2009, and provided full time construction monitoring as owner's representative on all the rehab over a 5-year period. We subsequently led another team for the next round of PCI study and pavement evaluation and rehab at KCI between 2016 and 2021.





SK Design has worked on some of the largest parking facilities in the region, such as the 15000-car Economy Parking at KCI, the 7000-car parking at Cerner Innovations, and the 1500-car parking at KU park and Ride. Our experience is not limited to large parking lots. We design parking lots of all sizes for our clients throughout the region.



GARAGE PROJECTS

We have also been involved on many garage projects both as the civil design consultants and the owner's rep on the bridging documents when a design-build approach was selected.



MASTER PLANNING

We have also worked on master planning future parking facilities such as the Cerner Innovations campus where more than 15,000 employees were planned to work out of.

We understand the importance of parking layout for functionality and aesthetics. We work closely with our clients to achieve a balance between the required number of parking spaces, landscaping, and drainage requirements. Regardless of the size of the project, we layout multiple options, prepare cost estimates, and outline the advantages and disadvantages of each option for our clients, to aid in selecting the best design for their project.

We understand internal bus operations in large parking facilities and have managed teams of consultants to address wayfinding, shelters, and signage. We have performed studies to determine the bus route times and made recommendations for the number of buses required to achieve a desired level of service.



**15,000 Stall KCI Economy Lot,
Kansas City, MO**



**KU Med Center Garage 5 Site
Design, Kansas City, KS**



**3,500 Stall Cerner Innovations
Campus, Kansas City, MO**



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