



**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: SE3, LLC

Firm Contact Name: James Cherney, PE

Contact Email Address: jcherney@se3.us

Firm's Mailing Address: 8401 East 350 Highway  
Kansas City, Missouri 64133

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**

**PREQUALIFICATION** - SE3, LLC (SE3) is listed on MoDOT's Approved Consultant Prequalification List.

**WORKFORCE DIVERSITY** - We take diversity seriously and it is at the core of who we are as a firm. SE3 engages with other firms and related industry professionals by attending forums, expos, and webinars to build diverse relationships and learn more about diversity.

**GENERAL EXPERIENCE OF FIRM** - We have comprehensive experience on similar and related type services including **development of PS&E and related Design Studies for widening, resurfacing, pavement reconstruction, utility (design) and coordination, right-of-way changes, traffic signals and lighting, general lighting, sidewalks and trails, and parking lot design.** Since we opened our doors in 2004, our firm's focus has been on "Complete Streets", and in fact, complete transportation systems. We understand many years ago Engineers worked to move motorized vehicles and now we work comprehensively to move people. SE3 is invested in the accessibility and connectivity of people who live in communities and neighborhoods, and we work daily to allow each of them to move when and where they wish using a wide range of transportation facilities.

**Roadway Planning and Design:** SE3 has served as Prime Consultant and as part of design teams for Roadway projects in various MoDOT Districts for over 12 years. Our firm has assisted MoDOT and other agencies through various facets of Transportation Engineering and design from initial concepts to PS&E and construction management. Our Engineers work on roadway projects daily including small rural roads to multi-billion-dollar Design-Build Interstate projects coordinated with crossroads, interchanges and other local improvements. They provide a wide range of Transportation Engineering and design services, including:

- Traffic Engineering & Preliminary Studies
- Intersection Studies and Design
- Roadside Safety and Warrant Analysis
- Geometric Design
- Utility Analysis and Design
- Stormwater Analysis and Design
- Access Planning and Management
- Right-of-Way Analysis and Management
- Lighting Analysis and Design
- Maintenance of Traffic Plans
- Cost Estimating
- Specifications and Special Provisions
- Public Involvement
- Permitting
- Bidding and Contractor Evaluation
- Design-Build Services

We provide Engineering for major (arterials, expressways, interstates and tollways) and minor (alleys, access drives, streets) roadway projects that include studies and investigations, preliminary and final design, program and data management, grantsmanship, inspections for operations & maintenance, construction engineering, and contract administration. We have completed design and provided CADD services for projects that otherwise use MoDOT Standards. Our client base varies and includes government agencies such as MoDOT, multiple State DOTs, State tollways, local municipalities, and counties, the FHWA, and private developers.

SE3 has served as Prime Consultant and on other Engineering teams for projects in various MoDOT Districts for over 12 years where we have served roadways, bridges, and Design-Build projects.

**Typical Approach/Work Plan:** Involves a multi-step process depending on the scope, and may include:

- Identify Design Criteria - first step is identifying design criteria for the roadway; two important criteria are design speed and the proposed cross section.
- Data Collection - obtain publicly available data such as GIS, flood-plain maps, and Right-of-Way records.
- Public Engagement/Involvement - conducting a preliminary Public Meeting to introduce a Project to the public and to gather collaborative input.
- Identify Constraints - confirm constraints for use in identifying alternatives; typical constraints include right-of-way, utilities, environmental features, historic structures, and natural resources.
- Utility Coordination and SUE - determine locations of existing utilities early to assess conflicts and remediation strategies; providing a utility verification well before bidding begins confirming the utility's locations are complete and in correct locations.
- Provide a Traffic Control Plan - develop a plan that maximizes mobility for the travelling public and contractors and limits the inconvenience for local users; maintaining access to adjacent properties during construction is critical.
- Provide a Cost Estimate - utilize historic unit cost information, client recent data, and often local contractor intel, to estimate construction costs.

- Confirm the Schedule - SE3 utilizes Microsoft Project to create a critical path schedule.
- Permitting - understands which ones are needed, which agency to obtain them from and ask for them as soon as possible in the design schedule to mitigate costs, risk and delays.

**Storm Drainage Systems Planning and Design:** Our diverse drainage experience includes stormwater management related to small development projects, floodway/floodplain studies, and numerous roadway projects. Our staff have experience in stormwater analysis/design from the planning phase through construction completion.

- Hydrologic/Hydraulic Design
- Storm Sewer/Open Channel Design
- Erosion and Sediment Control
- Best Management Practices
- Storm Water Pollution Prevention Plans

**PAST PERFORMANCE** - We are very proud of our performance with similar roadway study and design projects. Our ability to manage complexity, soften risks, and foster collaboration is a key differentiator in project delivery. We apply proven methodologies to confirm project goals are met efficiently and effectively. Our established track record, supported by results, provides visible evidence of our capability and experience, offering you confidence in our ability to deliver value to your roadway and non-motorized transportation facilities' projects. *We meet requirements, deliver on time, help control costs, and can provide references from satisfied clients on past projects.*

**North Woodland Avenue Improvements, Kansas City, MO** - reconstruction and widening of Woodland Ave. from two lanes to four. The intersection now has a roundabout to facilitate steady traffic flow. We supplied the street improvement design with updated and improved watermains and transmission mains.

**96th Street Roadway Improvements, City of Kansas City, MO** - reconstruction of 96th Street, including addition of storm sewers and BMP solutions. We prepared traffic Engineering plans as well as stormwater drainage study that included reallocation of discharges.

**155th Street Improvements, City of Raymore, MO** - the goal was to design a bridge that would replace the 155th St. bridge over a tributary for Lumpkin's Fork Creek. The City of Raymore needed to widen this one-lane bridge and wanted to time construction that would coordinate with the planned widening of 155<sup>th</sup> St. SE3 provided design that included hydraulic analysis, structural design, street tapering/guardrail, and pavement reconstruction. A dual-cell cast-in-place box culvert was included in the design as replacement structure to ease the future roadway widening. SE3 prepared final plans and specifications using MODOT Design Methods.

**112th Street/Stark Avenue Road Improvements (Clay County), City of Kansas City, MO** - SE3 provided roadway design for several improvements including shoulder modifications, left-turn lane at Stark Ave., curb and gutter, a multi-use path, and lighting. Bridge cross section was modified to accommodate pedestrian and bicyclist access.

**Various-Variou Study/Design, Illinois DOT District 4** - SE3 is leading a multi-disciplined team of three other firms. One component of our services, under this Task Order Contract is Business US Route 24, which includes design of resurfacing and ADA improvements. Our team designed a mile of resurfacing of US Route 24 and upgrading 35 ADA sidewalk ramps to comply with specifications and requirements.

**Sidewalks, Pedestrian Trails, Paths, and Bicycle Facilities Planning and Design, Various Locations, U.S.**

- Sidewalk and ADA ramp inspections exceeding 150 miles of sidewalk and 2,200 ADA ramps
- Design of access for motorized vehicles, pedestrians, and bicyclists for dozens of private and public site plans ranging from small one-acre sites to large urban developments

**Other Projects:**

- The Depot on Old Santa Fe Road, City of Kansas City, MO - improvements SE3 designed include 12 ft. lanes with curb and gutter, 5 ft. sidewalks, ADA improvements at intersections, and storm sewer improvements.
- Maplewoods Improvements, City of Kansas City, MO - SE3 designed aspects of new bicycle lanes, sidewalks, and four roundabouts. SE3 staff prepared signing/stripping plans, lighting plans, and traffic control plans.
- ADA Improvements, Columbia, MO, Boone County Rte. B and Rte. 763 Corridors, MoDOT - replacement of 200+ curb ramps/2,500 feet of sidewalk, milling/overlaying of existing asphalt pavement. SE3 staff designed ADA ramps, Traffic Control Plan, pavement marking, traffic signal modification plans, and temporary signing.

**QUALIFICATIONS OF PERSONNEL** - Our key staff has extensive experience in this category of work.

**Project Manager/Roadway Engineer, James Cherney, PE** - 29 Years Experience/Registration: PE-MO/Education: MS Civil Engineering - Jim is based in Kansas City and has comprehensive experience directing design/producing construction documents for MoDOT and municipal improvements, site development projects, and related utilities and infrastructure. He specializes in roadway, street/sidewalk design, site grading, drainage, and utilities. He serves as a hands-on designer as well as in supervisory capacity for planning, designing, and construction.

**Hydraulics Engineer, Steve Schuessler, PE** - 23 Years Experience / Registration: PE-MO / Education: B.Sc. Civil Engineering - serves as a Sr. Project Manager and Site Drainage Engineer who provides roadway planning and design, drainage/hydraulics design, site design/development, traffic engineering and municipal engineering for transportation projects ranging from locally funded intersection improvements to federally funded roadway projects.

**Electrical Engineer, David Kuchinsky** - 17 Years Experience / BS Electrical Engineering - David combines a strong background in design and project management in the traffic sector, primarily in illumination and traffic signals. He leads projects through their entirety from design to implementation. His expertise includes plan preparation, specifications and estimates for small- and large-scale transportation assignments.

**LPA Project Manager/Roadway Designer, Mitch Quigley** - 7 Years Experience / Education: BS General Engineering - a Transportation Engineer with experience in many different aspects of transportation engineering. Has assisted on a variety of tasks on roadway and street projects with SE3. Mitch has worked alongside Professional Engineers in multiple states on projects for roadway and water main designs. Mitch has been a valuable collaborator in SE3's infrastructure projects. Recent experience includes providing field investigations/data analysis along 75 high-risk corridors for the KCMO Safe Streets for All Program. He is well versed in Autodesk AutoCAD, Bentley OpenRoads Design Software. *Mitch is also a Certified Project Manager in MoDOT's LPA Program.*

**FAMILIARITY/CAPABILITY** - SE3's staff have extensive familiarity with federal projects and have delivered federal projects compliant with federal law. Staff have used, and helped secure, federal funding for study, design, and construction of roadways and facilities for non-motorized travel. Our staff in offices located throughout the Midwest work together daily and can supply MoDOT with solutions based on our team's experience and expertise in designing "complete systems" for transportation mobility using local, state, federal and private funding.

**ACCESSIBILITY** - We have a staff of over 75 professionals in offices throughout the Midwest, including Kansas City and St. Louis, and have no profit centers, as we are "all for one and one for all". **Our staff work with Local Agencies extensively in Missouri, Illinois, and Texas and have worked with over a hundred communities in over 25 states providing private development Engineering services in numerous municipalities.** We value **Open/Ongoing Communication** to reduce conflicts, prevent misunderstandings, and enhance overall project efficiency. We know how important **Responsiveness** is to MoDOT's staff and our team understands communication is KEY to a successful Project and we reply to any communication within 24 hrs. We believe face-to-face is best, however we will also communicate by phone, e-mail, text, TEAMS, web tools, and Bluebeam for collaboration during services recognizing your staff's preferences. We use **Bluebeam**, and have presented seminars to IDOT across Illinois, to demonstrate its effectiveness in allowing a team from everywhere to work well together. We use overarching **QA/QC Strategies** to confirm Deliverable completeness, for consistency across packages, and alignment with MoDOT Standards and schedules. Our QA/QC Program will be implemented for each phase of a Project to provide an independent review of each Deliverable. Quality Control systems and ongoing reviews are completed in collaborative software, comments shared in real time to members of the Project team - no matter their location or role in the Project. We believe in early **Utility Coordination** no matter where we are, where the Utility Companies are, or where their facilities are. We know contacting them early and often reduces cost and schedule risk. **Cost Estimates** (Construction, Engineering, Right-of-Way, Contingencies) are produced with each Deliverable as we know how important budget is to our clients. We realize **Public Involvement**, including agency coordination, must be courteous, continuous and concise. Our experience, including work with MoDOT, proves that ongoing (during planning, design and/or construction) outreach reduces frustration during infrastructure investments.

Our **Point of Contact** for this Letter of Interest is James "Jim" Cherney, PE, Kansas City Region Manager. As you review this Letter of Interest and have questions, you can contact Jim at (816) 839-5736 or by email at [jcherney@se3.us](mailto:jcherney@se3.us). **SE3 is ready to provide MoDOT, via the LPA Consulting Program, with ROADWAY DESIGN Services.**

## We Bring Infrastructure Projects to Life!

### SE3, LLC (Headquarters)

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 Kansas City, Missouri 64133  
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 Certified: DBE / MBE

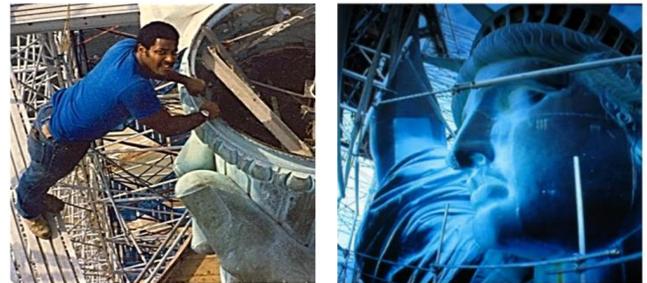
### Personnel Expertise

The management team of SE3 collectively has more than 100 years of planning, construction management, and design experience, assisting clients with infrastructure projects across the United States.

- 75+ Qualified Staff
- 25 Registered PEs, PTOEs

### SE3, LLC Story – Founded in 2004

SE3, LLC specializes in Civil Engineering with a focus on Transportation, Municipal Engineering, and Site Development. SE3 is rapidly emerging as a leader in the Civil Engineering consulting industry. Our management team has contributed to both local and high-profile projects, including the restoration of the Statue of Liberty. We are known for delivering reliable, cost-effective solutions.



Raymore Kumapley, PE  
 President & CEO

**SE3 Leadership:** SE3 was founded and incorporated on June 28, 2004, in the State of Missouri. Vernal Stewart, founder and former SE3 President and CEO, has transitioned to his new role as Emeritus CEO after 21 years of dedicated service. In 2025, Raymond Kumapley, PE began as President & CEO of SE3. This seamless transition has been marked with mutual respect and shared vision, reinforced by a strong, unified leadership that defines SE3. Raymond brings over two decades of expertise in the professional engineering industry.

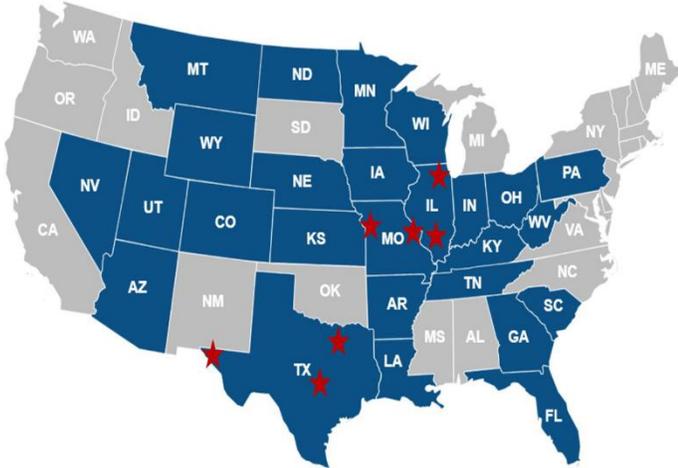
### SE3 is Guided by our PRIME Values

- P**rioritize Client Goals – prioritizing high-quality solutions delivered with responsiveness and accountability.
- R**espect – cultivating a cohesive family culture that supports personal and professional growth.
- I**ntegrity – acting with honesty, fairness, and ethical standards in every project and relationship.
- M**eet Community Needs – bringing infrastructure projects to life by strengthening and supporting the communities we serve.
- E**xcellence – driving continuous individual improvement while championing excellence and innovation.

### Markets We Serve

Municipal	Development
County	Commercial
State Agencies	Contractors
Architects	Engineers
Education	Federal
Aviation	Design-Build
Transit	Utilities

**SE3 SERVES CLIENTS NATIONWIDE WITH OFFICES IN MISSOURI, ILLINOIS, AND TEXAS**



### National Firm, Local Approach

With headquarters in Kansas City, SE3 has a tailored approach to each client and project. From local community projects to high-profile national projects, our staff has established a solid reputation by delivering reliable, cost-effective, and efficient solutions for clients. Qualified and certified personnel have performed engineering services in 25 states.

### Building Together

SE3 puts family at the heart of our work, striving for excellence through teamwork, integrity, and faith in one another. The management of SE3 has a firm belief in people and that they, more than anything, build successful projects. With that philosophy, we strive to bring together individuals that support our combined success. Our staff has the necessary tools and support to satisfy our client’s specific project requirements and ultimately provide a successful project for the parties involved.

We Provide Engineering Services for Studies, Design, and Construction	
Water	Transportation
Sanitary Infrastructure	Structural Design / Inspection
Storm Drainage Systems	Construction Observation
Right-of-Way	Site Development
Lighting	Grantsmanship
Program and Project Management	

What We Do	
Structures	Drainage / Sewer
Traffic Studies	Traffic Signals
Design	Roads / Streets
Construction Inspection	Reconstruction / Rehabilitation

**Connect with SE3 Today!**






[www.SE3.us](http://www.SE3.us)

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