



**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

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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**

SE3’s **POINT OF CONTACT** for this **Letter of Interest** is James 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. **SE3 is ready to provide MoDOT, via the LPA Consulting Program, with Engineering for TRAILS and SIDEWALKS.**

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 ample and proven experience for studies and design of **Trails and Sidewalks**. Since we opened our doors in 2004, our firm’s focus has been on providing “Complete Streets” and in fact, complete transportation systems, as 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 a variety of 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 - each street, sidewalk, pedestrian/bicycle facility, and transit stop. Our staff is **experienced in the production of engineered trails and pedestrian-use facilities, environmental clearances, ROW management and modification, signals and lighting, landscaping and beautification, grantsmanship, and operations and maintenance. We work with Landscape Architects in Missouri and across the Midwest to provide more services for many Local Agencies.** SE3 has served as Prime Consultant and as part of teams in various MoDOT Districts for over 12 years. We have assisted MoDOT and Local Agencies with the engineering of sidewalks and trails from initial concepts to PS&E, construction, and operations & maintenance. Our engineers work on pedestrian and non-motorized vehicle facilities, where our concentration is focused on having the proper scope developed upfront as we know that is a crucial step in delivering any study or design. Our Municipal engineering experience allows the development of a sound Scope of Work along with schedule and budget. *We find that this approach helps involved parties think about various components early in the process and clarify the Scope of Work so there are limited surprises affecting the solutions*

We also provide Engineering for streets, minor roadways (alleys, access drives, local streets), arterials, expressways, interstates, and tollway projects that include studies and investigations, preliminary and final design, programming and data management, grantsmanship, inspections for Operations & Maintenance, Construction Inspection, and contract administration. ***This depth and breadth of experience make us better at designing Sidewalks and Trails.***

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

- Identify Design Criteria
- Data Collection (GIS, Flood-Plain maps, ROW)
- Public Engagement and Involvement
- Identify Constraints (Utilities, Environmental Factors, Historic Structures, Natural Resources, ROW)
- Utility Coordination and Early Detection / SUE
- Initial, Preliminary and Final Construction Plans
- Cost Estimates
- Specifications and Special Provisions
- Permitting

Planning and Design: SE3 provides a wide range of Transportation Engineering services, including:

- Preliminary Engineering & Studies
- Intersection Studies and Design
- Safety and Warrant Analysis
- Geometric Design
- Utility Analysis and Design
- Stormwater Analysis and Design
- Access Planning and Management
- ROW 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

Storm Drainage Systems Planning and Design: Our diverse drainage experience relating to Sidewalks and Trails includes Stormwater Management, Drainage Studies, and Stormwater Infrastructure Design. We are well versed in stormwater analysis and design from planning through construction completion.

- Erosion and Sediment Control, Floodplain and Floodway Studies, Detention Analysis and Design, Storm Sewer and Open Channel Design, Storm Water Pollution Prevention Plans, and Best Management Practices

PAST PERFORMANCE - We are very proud of our past performance on projects for trails and sidewalks. Our ability to manage complexity, soften risks, and foster collaborative teams is a key differentiator in project delivery. We apply proven methodologies that 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 investments. *We meet requirements, deliver on time, help control costs, and can provide references from satisfied clients on past projects.*

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

The Depot on Old Santa Fe Road, City of Kansas City, MO - improvements we designed included 12 ft. lanes with curb and gutter, **5 ft. sidewalks, ADA improvements** at intersections, and storm sewer improvements.

Safe Streets for All (SS4A-Vision Zero KC) Study, Kansas City, MO - providing investigations and data analysis for 75 high-risk corridors identified with the High Injury Network. SS4A is a USDOT Federally funded grant program providing \$5B in grants from 2022 through 2026. This program supports projects and strategies that prevent death and serious injuries on streets involving all roadway users, *including pedestrians*; bicyclists; public transportation, motorists, and commercial vehicular use.

Maplewoods Improvements, City of Kansas City, MO - designed aspects of *new bicycle lanes, sidewalks*, and four roundabouts. SE3 staff prepared signing/stripping plans, lighting plans, and Traffic Control Plans.

North Central DuPage Regional Trail (Pratts Wayne Woods Forest Preserve), DuPage County, IL - new trail is 1.73 miles long. SE3 Scope: Erosion Control Plans, Specifications, Cost Estimate, completion of Stormwater Pollution Prevention Plan, design of outlet protection for multiple culverts that cross underneath the proposed trail, and *ADA detail sheets for curbs ramps for crosswalks.*

Municipal Engineering, Franklin Park, IL - monitored sidewalks and paths in a 19,000-person community for annual assessment, budgeting annually for CIP, grantsmanship to seek additional funding for future, study of annual sidewalk improvements, and Operations & Maintenance coordination with Public Works.

Task Order Engineering, Illinois DOT District Four - SE3 is leading a multi-disciplined team of three other firms. One component of our services 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 *upgraded 35 ADA sidewalk ramps* to comply with specifications and requirements.

ADA Improvements, Boone County Rte. B and Rte. 763 Corridors, Columbia, MO - *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.

Kuhn Road Bike Path (Lies Road to Army Trail Road), Village of Carol Stream, IL - completed Design Engineering for a new multi-use path. Our services: preparation of erosion control plans, specifications, and cost estimates; and the preparation of ADA ramp details for 23 ramps that included six intersections.

Lies Road Bike Path (Gary Avenue to Schmale Road), Village of Carol Stream, IL - completed Design Engineering for a new multi-use path. Our services: preparation of erosion control plans, specifications, and cost estimates; and the preparation of *ADA ramp details for 30 ramps*, along with 13 commercial driveways and one railroad crossing.

Sidewalk/ADA Improvements, City of Byron, IL - SE3 upgraded *35 ADA sidewalk ramps* to comply with current specifications/requirements. Upgraded the traffic signals at three locations with audible pedestrian signal buttons.

Campus Transportation Plan, University of Illinois at Chicago - studied sidewalks and non-motorized vehicle systems across the 35,000-student campus to understand where more facilities were needed and where overpasses might not be needed. The resulting report was used to convince the administration and City of Chicago to budget additional funding for the study, design, and construction of enhanced sidewalks.

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

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

Project Manager/Lead 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 municipal and MoDOT improvements, site development projects, and related utilities and infrastructure. He specializes in street/sidewalk/trail design, site grading, drainage, and utilities. He serves as a hands-on designer as well as in supervisory capacity for planning, designing, and construction.

Senior Transportation Engineer, John Mick II, PE, F-ITE, F-NSPE - 50 Years Experience/Education: BS Civil Engineering - John has provided study and design of numerous sidewalk and trail projects across the Midwest and internationally. He has been a Municipal Engineer involved in development of Capital Improvement Programs including sidewalks and trails and has served private developments where linkages to municipal trails and sidewalks made for better infrastructure investment. He has led preliminary engineering and operations & maintenance.

Transportation Engineer, Mitch Quigley - 7 Years Experience/Education: BS General Engineering - Mitch has strong experience with various aspects of Transportation Engineering. He assists our transportation team on a variety of tasks on roadway and street, and related infrastructure study and design. Recent experience includes providing field investigations/data analysis along 75 high-risk corridors for the KCMO Safe Streets for All Program.

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

Illumination/Signals Engineer, David Kuchinsky - 17 Years Experience/Education: BS Civil Engineering - David has proven experience with roadway lighting and ITS design. He conducts QA/QC for lighting and ITS design which includes revising voltage drop calculations and updating electrical PS&E. He has completed entire fiber design for roadway improvements. He has designed lighting for street segments and intersections and fiber layouts, connection diagrams, and termination charts. He has generated lighting cost estimates and specifications.

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 studies, 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". This staff works 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 for 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 is applied to each phase of a project, providing 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. Our **Cost Estimates** (construction, engineering, ROW, 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 the planning, design, and/or construction) outreach reduces frustration during infrastructure investments.