



**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:**

Engineering Surveys and Services LLC

Firm Contact Name: Ben Ross, PE, PTOE

**Contact Email
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1113 Fay Street

Columbia, MO 65201

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**



Engineering Surveys & Services

DELIVERING YOUR VISION™

COLUMBIA | JEFFERSON CITY | SEDALIA



December 12, 2025

Ms. Ashley Buechter, PE | Local Program Administrator
Missouri Department of Transportation
105 West Capitol Avenue
Jefferson City, MO 65102

RE: MISSOURI'S LOCAL PROGRAM
On-Call Professional Services Prequalification | 2026-2029
Work Category: TRAILS & SIDEWALKS

Dear Ms. Buechter & Selection Committee,

As a professional services firm that has served mid-Missouri clients since our founding, *Engineering Surveys & Services* (ES&S) is excited about the chance to serve in an "on-call" capacity for the design of non-motorized vehicle facilities for participants of Missouri's Local Program for community infrastructure development. ES&S offers the right combination of in-house civil engineering capacity and design/construction support services (surveying, geotechnical engineering, materials testing, etc.) to be a valuable partner for municipal agencies across central Missouri.

In the *Letter of Interest* that follows, we provide information about our firm's accessibility and responsiveness, key personnel that will lead task activities for assigned projects, and examples of relevant project design experience with municipal clients, MoDOT, and other public agencies. The enclosed *Company Brochure* provides a list of additional project experience in support of our capabilities and capacity to serve. Finally, we wish to confirm that ES&S is listed on the Approved Consultant Prequalification List. We are hopeful that in your review of our LOI, you will agree that ES&S is uniquely located, capable and committed to help successfully deliver projects assigned by central Missouri agencies participating in Missouri's Local Program.

Best regards,

John R. Frerking, PE | Client Manager, MoDOT

Benjamin A. Ross, PE, PTOE | Vice President - Engineering

General Profile & Experience of Firm

Since its founding in 1954, ES&S has been delivering solutions to support the built environment of mid-Missouri. Over the decades, the firm has added to the services it provides to clients in the public sector and private industry. Today, ES&S offers planning and design services to support mid-Missouri civil infrastructure in the transportation and water industries; site preparation for vertical construction; full-service land surveying, construction observation services; and laboratory facilities to perform a comprehensive list of analytical and construction material testing required for most public infrastructure and building projects. ES&S is registered as a *Professional Engineering Corporation* (Certif./Lic. No. 2004005018) and *Professional Land Surveying Corporation* (Certif./Lic. No. 2004004672) with the State of Missouri.

Accessibility

ES&S has three mid-Missouri offices (Columbia, Sedalia, Jefferson City) to offer prompt, personal service to clients in the region. We offer land surveying, geotechnical investigations, civil engineering planning & design, landscape architecture, materials testing & construction observation services, and maintain materials labs in each of our three office locations and a mobile lab. Our staff has amassed extensive knowledge of the region's surveying records and geotechnical conditions. ES&S enjoys strong working relationships with regulatory agencies and utility providers, helping us to deliver efficient and cost-effective design for our clients. The combination of services available in each office and accumulated knowledge of the region allows for effective, hands-on project management and enhances control over project deadlines and budget.



COLUMBIA
1113 Fay Street



JEFFERSON CITY
802 El Dorado Drive



SEDALIA
1775 West Main Street

WORK CATEGORY: TRAILS & SIDEWALKS

Missouri's Local Program | On-Call Professional Services Prequalification



Qualifications of Personnel

Serving as ES&S' **Vice President - Engineering** is **Ben Ross, PE, PTOE**. Ben manages the firm's Engineering practice, from our Columbia Office. He has been involved with civil infrastructure design in mid-Missouri since joining ES&S in 1995. In addition to his role with the firm, Ben has served as MSPE State President (2009-10) and is a long-time board member of Missouri's SAVE Coalition. He recently managed design of the \$10.6M *Nifong Blvd. Improvements* project, a 7700-LF upgrade to a heavily traveled, urban arterial on the south side of Columbia.

Additional key staff include **Matt Kriete, PE; Kelly Lohsandt, PE; Brian Williams; & Auston Bevins, PE**. Matt has been with ES&S since 2002, and in addition to roadway design, has had extensive experience with hydraulics & hydrologic analysis for the firm's infrastructure & site development practice. Kelly recently relocated to oversee ES&S' Sedalia Office, and in her seven years at the firm has amassed a broad civil engineering background, including a recent, TAP-funded sidewalk improvement project in the Village of St. Elizabeth. Brian joined ES&S in 2023 after a long career in various capacities at MoDOT and offers a strong understanding of the Department's standards and expectations for design deliverables. Auston recently joined ES&S after several years working on transportation assignments for the Kansas City office of a large A/E firm.

Fred Carroz, PLS, joined ES&S in 1996, and currently services as **Vice President - Surveying**, for the firm. Fred's group supports the firm's civil design assignments, projects for design professionals and general contractors that engage us as partners on their mid-Missouri projects, and the survey tasks we perform directly for facility owners and public agencies. A licensed surveyor in Missouri, Fred has been involved in the full spectrum of property boundary and topographic surveys, property legal description, utility mapping, construction layout and staking, and extensive title research and parcel exhibit preparation to support right-of-way and easement acquisition. He has recently served both the Central and Northeast Districts with survey services on the current On-Call MSA.

Assisting Fred with management of the survey tasks across the firm is **Cody Darr, PE, PLS**, a 2006 University of Missouri graduate who joined ES&S earlier this year after tenures with two mid-Missouri civil engineering consultants as both a civil engineer and land surveyor, but with a strong focus on surveying. Also assisting in survey data collection is **Cory Berghold**, who has been with ES&S since 2004 and is actively pursuing survey licensure. Both are **Part 107 Certified UAS Pilots**.

In total, ES&S has 17 project engineers available for assignment (11 registered Professional Engineers in MO); one Registered Geologist; two Professional Land Surveyors, and a Professional Landscape Architect. We also boast nine full-time CAD production staff to support the needs of the civil engineering design and land surveying practices.

Familiarity / Capability

ES&S enjoys strong staff retention of both design professionals and CAD and field technicians, resulting in our personnel having learned to work together in a very coordinated and efficient manner. Each office maintains staff to support survey field services as well as CAD detailing needs, and our ability to share work among locations provides flexibility and efficiency. Each ES&S location offers field technicians and a materials lab to responsively serve construction projects throughout mid-Missouri, and we maintain a USACE-validated materials laboratory in Columbia.

Past Performance

ES&S has delivered a number of projects that required coordination with MoDOT; utilization of STP, TAP (and the predecessor programs), CDBG, RTP, and other funding programs; project administration under the LPA program, and dealing with federal compliance issues in permitting, bidding and construction. We have summarized a number of such recent projects on the following page. Additionally, we have several ongoing TAP-funded projects, including the design of roadway & ADA upgrades in Marshall, Eldon, Mexico, and Harrisburg.



PROJECT | OWNER
DOWNTOWN
REVITALIZATION,
PHASE IV | CITY OF
WARRENSBURG

Services Provided | Year Complete

Design of pavement resurfacing from the UPRR tracks to Grover Street, then full roadway reconstr. to South Street, totaling approx. 900-LF. Included new ADA-compliant sidewalks & ramps, bike lanes, aesthetic streetscape & hardscape features, and utility relocations, including facilitation of subconsultant (POWER Engineers) to underground electrical T&D. [STP-6300(407)] | 2019

WORK CATEGORY: TRAILS & SIDEWALKS

Missouri's Local Program | On-Call Professional Services Prequalification



PROJECT OWNER	Services Provided Year Complete
 <p>SCHOOL TO TRACK SIDEWALK CONNECTOR ST. ELIZABETH, MO</p>	<p><i>Design for 2000-LF of sidewalk connecting St. E's school on Church Street to the school's track at the north end of Jefferson Street. Included alignment study to consider ROW impacts, drainage, need for retaining walls, ADA-compliant sidewalk, three crosswalk (one RRFB signal), signage, easement acquisition assistance, and constr.-support services. Agency coordination included MoDOT, LOCLG (RPC), and local school district. [TAP- 9901(521)] 2023</i></p>
 <p>MAIN STREET ACCESSIBILITY IMPROV., PH. I CITY OF MONROE CITY</p>	<p><i>Design to replace approx. 65% of existing sidewalk on 1650-LF of Main Street (US Route 24) through downtown, add ramps at five intersections, and a drainage upgrade. Services included surveys, easement assistance, MoDOT & utility coordination, and construction observation. [TAP 9900 (389)] 2020</i></p>
 <p>ROUTES B & 763 PAVEMENT RESURF. & ADA IMPROV. – BOONE Co. MoDOT – CENTRAL DISTRICT</p>	<p><i>Full design and preparation of construction documents for pavement resurfacing and ADA upgrades on 4-miles of MO Route B and 2-miles of MO Route 763 (College Ave.). Required upgrade of the accessible features on the corridor to meet ADA requirements - over 200 sidewalk ramps, 65-percent of the existing sidewalk, and acquisition assistance for over 160 parcels with new ROW or easements. [Job #. J553159/J553155] 2018-19</i></p>
 <p>CONCORDIA ENTRANCE IMPROVEMENTS, PH. I CITY OF CONCORDIA</p>	<p><i>Design and some constr.-support services for Phase I of a new sidewalk connection along the west side of MO Route 23 for approx. 1130-LF, from north of I-70 at NW 4th Street, south to the south side of NW 2nd Street. Included a retaining wall with recessed lighting on the abutment side of the I-70 bridge columns, modification to existing enclosed drainage and inlets, signage, and curb/gutter. [TAP-3301 (500)] 2017</i></p>
 <p>BROADWAY PAVEMENT IMPROVEMENT PROJECT CITY OF COLUMBIA</p>	<p><i>Design for new ADA-compliant ramps along eight-block corridor of the City's central business district. ES&S survey crews and City staff performed a walk-through to identify deficient crossings, allowing field surveys to be efficient and avoid gathering survey data for ADA-compliant existing ramps. Included asphalt mill & overlay, spot pavement repairs from curb-to-curb, ADA-related modif. of over 30 sidewalk ramps ranging from full replacement to addition of detectable warning surfaces. [STP-2104 (505)] 2016</i></p>
 <p>SOUTH KATY TRAILHEAD IMPROVEMENTS, PHASE I CITY OF BOONVILLE</p>	<p><i>Design and constr.-phase services, including grant application assistance, to upgrade access at the south abutment of the KATY RR Bridge over the Missouri River, improving access to the Katy Trail generally and specifically to Boonville's riverfront Isle of Capri casino. Design included resurfacing a segment of the Katy Trail, new parking lot & access road, stormwater mgmt., aesthetics, and sidewalk connection to the south end of the bridge, all ADA-compliant. Jointly funded by MDNR's Recreational Trails Program and Boonville TDD. [RTP 2014-08] 2016</i></p>
 <p>TRAIL CONNECTION PROJECT, PHASE I CITY OF HOLTS SUMMIT</p>	<p><i>Design of a 4000-LF, five-foot wide recreational trail connecting Hibernia Station Park and Greenway Park. The new trail is a combination of concrete and compacted-aggregate surface and included various fitness stations along the trail. Accessibility issues are important as the new facilities serves both the nearby North Elementary School, and as the region's largest ADA-compliant parks. The project was funded with an MDNR RTP grant. [RTP 2014-12] 2015</i></p>
 <p>DOWNTOWN STREETScape IMPROV., PH. IIIA CITY OF SEDALIA</p>	<p><i>Design & constr.-support services for over one city block of street & sidewalk reconstr. immediately north of Broadway Blvd (US Route 50). MoDOT coordination was needed for improvements in ROW at the at Ohio St./50 Hwy intersection, including ADA upgrades, aesthetic brick pavers at crosswalks and adjacent to sidewalks, historic lighting fixtures, and a new "downtown gateway" feature (designed by others). [STP-5700 (509)] 2015</i></p>



ENGINEERING & PROFESSIONAL SERVICES

FIRM EXPERIENCE

TRAILS & SIDEWALKS

SUBMITTED TO:

Missouri Department of
Transportation



SUBMITTED BY:

ENGINEERING SURVEYS & SERVICES



ES&S is a trusted multidisciplinary firm serving clients since 1954, offering civil, geotechnical, and environmental engineering, surveying, materials testing, and landscape architecture. With three offices across Missouri and project experience throughout the U.S., we deliver site-responsive, constructible solutions tailored to municipal, community, hospitality, utility design, and commercial developments—bringing client visions to life through a collaborative and market-driven approach.

Our three locations allow efficient and effective response to your needs for design, design-support, and construction-support services. We have an onsite materials labs in our three locations with a USACE- validated construction material testing labs in Columbia as well as a mobile testing lab.

Key Personnel & Team Capacity

Engineering Surveys & Services (ES&S) organizes its services within four core practice areas, led by the following individuals to provide planning and design of civil infrastructure and site development. From concept through construction they are available to help facilitate projects.

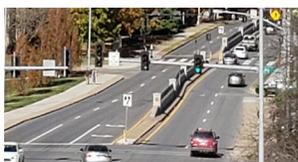


- Ben Ross, PE, PTOE – Vice President, Civil Engineering. Ben will serve as Principal-in-Charge and primary contact. He has over 30 years of experience leading roadway, traffic, and municipal infrastructure projects across Missouri, including corridor improvements, safety enhancements, and multimodal accessibility upgrades.
- Fred Carroz, PLS –Vice President, Land Surveying. Fred leads survey operations including boundary, topographic, and right-of-way acquisition mapping. In addition to traditional survey methods, Fred’s team utilizes UAS and 3D scanning technologies to expedite data collection and improve accuracy.
- Josh Lehmen, PE – Vice President, Geotechnical & Construction Support. Josh oversees laboratory services, subsurface investigations, and construction materials testing. He manages MoDOT-certified technicians and a USACE-validated testing lab.
- Chadd Fuemmeler, MLA, PLA – Landscape Architecture Lead. Chadd leads ES&S’s landscape architecture services, integrating site design, planting, and open-space planning with civil engineering to create context-sensitive, sustainable, and community-focused solutions. His experience includes municipal streetscapes, park and trail systems, and commercial development projects throughout Missouri and beyond.

Supporting these leaders is a staff of sixty engineers, landscape designers, surveyors, field technicians, design drafting and inspectors—one of the strongest and most stable engineering and design/construction support practices in mid-Missouri. Our proximity allows us to mobilize quickly and maintain strong coordination with City staff, contractors, and stakeholders as we work to integrate our services through the life of a project.

To discuss strategic partnering with ES&S, contact:
John Frerking, PE
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 Columbia, MO 65201
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Jefferson City
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 Jefferson City, MO 65101
 (573)636-3303

Sedalia
 1775 Main Street
 Sedalia, MO 65301
 (660)826-8618



As a full-service design practice, ES&S offers our clients comprehensive engineering planning, consulting, and design services related to public infrastructure. Our focus areas include public works improvements, commercial, institutional, educational, and industrial development. Our firm's specific service offerings include:

Design and Consulting

Our engineering, design, and support personnel have the technical expertise and project management skills needed to guide projects from the conceptual design phase, through construction documents, to facility startup. With our extensive design experience supplemented by our knowledge of local, county, state, and federal regulations pertaining to site infrastructure, layout, and requirements, we can manage and design a variety of unique projects:



Civil Engineering

- | | |
|--|---|
| Land-Use Planning | Storm Water & Floodplain Management |
| Conceptual Site Screening & Layout | Storm Water Quality & Impact Mitigation |
| Permitting for Site Development | Channel Protection & Restoration |
| Transportation Planning & Roadway Design | Pavement Consulting |
| Site Plans | BMP Continuing Inspections |



Geotechnical Engineering

- | | |
|--|---------------------------|
| Subsurface Investigations | MSE Retaining Wall Design |
| Soil Analysis & Classification | Global Stability Analysis |
| Slope & Stream Bank Stabilization | Hydrology & Hydrogeology |
| Foundation & Pavement Design Recommendations | |



Environmental Engineering

- | | |
|--|---------------------------------------|
| Facility Planning & Engineering Reports | Drinking Water Distribution Systems |
| Waste Water - Small Treatment Systems | Surface Water Monitoring & Evaluation |
| Waste Water Collection Systems | Permit & Grant Application Assistance |
| Analytical Laboratory: Water & Waste Water Laboratory Analysis | |

Land Surveying & Data Collection

Leveraging the latest equipment technology in data acquisition, ES&S's land surveying division is fully capable of providing all of your surveying needs. The firm's long history in central Missouri has produced an extensive inventory of records and project files for land corner monumentation on all types of tracts and parcels throughout the region. We also offer capability to use Unmanned Aircraft System (UAS; i.e., drones) and scanning technology to efficiently collect data to best serve the needs of the project. ES&S regularly provides the following land surveying services:



- | | |
|------------------------------------|---------------------------------|
| Topographic Survey | Cadastral & Geodetic Surveys |
| Boundary Surveys | Construction Surveys & Layout |
| Utility Surveys & Mapping | Volumetric Surveys |
| Hydrographic Surveys | GPS Machine Control Setup |
| ALTA/NSPS Land Title Surveys | Land Acquisition Assistance |
| UAS Photogrammetry/ Aerial Imagery | 3D Scanning & Precision Surveys |

