



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:
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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

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| 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

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



Environmental Engineering

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| 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:



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| 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 |

