

COMPANY PROFILE



SMITH & CO. ENGINEERS

S.H. Smith & Company (doing business as Smith&Co.) is a multidisciplinary consultant firm established in 1968 by Samuel H. Smith, PE, PLS. The company has been 100% employee-owned since 2006. Our staff consists of over 40 people including Professional Engineers, Professional Land Surveyors, Registered Geologists, and other scientific and technical professionals.

Our engineering staff is experienced in design and construction administration of a wide variety of project types including transportation, stormwater management, erosion control, structural, drinking water source development and treatment, wastewater collection and treatment, and site design. We are experienced in preparing permit applications for a variety of state and federal agencies such as Missouri Department of Natural Resources and US Army Corps of Engineers.

STRUCTURAL

Our structural services include concrete with steel design, structural evaluations, foundation design, design-build partnerships, bridge and culvert design. Our structural clients include private individuals and corporations, as well as local, state and federal government agencies. We have designed over 150 bridge replacements in southern Missouri.

- Planning, Prioritization & Programming
- Cost Estimating
- Hydraulic & Hydrology Design
 - USACE HECRAS
- Foundations
- Bridges
- Box Culverts
- Retaining Walls
- Seismic Design
- Load Rating
- Environmental Permitting
- Bidding & Award Coordination
- Construction Inspection



ROADWAY

Smith&Co.'s roadway design experience includes planning studies, roadway overlays, pavement design, capacity projects including upgrading to three, four and five lane sections, and design for industrial traffic demands..

- Planning
- Traffic Safety
- Signalized Intersections
- Geometric Design
- Pavement Design
- Stormwater Management
- Environmental Permitting
- Construction Inspection



SURVEYING

Our surveying crews are capable of performing a variety of surveys, including boundary, topographic, and construction staking. We employ Professional Land Surveyors and utilize advanced GPS equipment and robotic total stations. Data can be provided in most industry standard formats. We have successfully performed route surveying for Missouri Department of Transportation projects and ground control for aerial photogrammetric and LIDAR mapping. With this data, high precision layouts for construction projects and other related services can be professionally delivered.

- Boundary
- Topographic
- ALTA
- Route
- FEMA Elevation
- Construction Staking





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GEOTECHNICAL

Geotechnical explorations are conducted primarily with our CME-750 all-terrain drill rig and our new Geoprobe 7822DT. Such explorations are typically conducted for proposed building and bridge projects. Our drill crews are experienced with drilling and sample collection using hollow stem augers and bedrock depth surveys using flight augers, rotary wash, and wireline core drilling methods. In addition to our ability to conduct routine geotechnical explorations, we are also capable of advancing drilling for instrumentation and analysis.

- A Variety of Drilling Methods
- Geotechnical Exploration
- Bridges
- Building
- Specialty Structures
- Groundwater Monitoring Wells
- Pore Water Pressure



CONSTRUCTION MATERIAL TESTING & INSPECTION

Our material testing laboratory is equipped to perform tests on soil, aggregate, concrete and asphalt. In addition, we offer field testing services for construction projects involving earthwork, concrete, and asphalt. We employ testing methods as prescribed by the American Society for Testing and Materials (ASTM) and the American Association of State Highway and Transportation Officials (AASHTO). Our technicians are trained and certified by the Missouri Department of Transportation and American Concrete Institute. Our laboratory is certified by AMRL/AASHTO and validated by the US Army Corps of Engineers.

- Soil-Aggregate
- Concrete
- Asphalt
- Geotechnical & Environmental Testing



SIDEWALK/TRAILS

Smith&Co. has completed long-range planning, Transition Plans, Scoping, as well as preliminary and final sidewalk and trail design. Our staff is experienced in pedestrian, multi-use and bicycle facilities.

- Planning
- ADA Compliance
- ADA Transition Plan
- Pedestrian & Bicycle Safety
- Share the Road Design
- Preliminary & Final Design
- Construction Inspection





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ENVIRONMENTAL

Smith & Co employs professional personnel, experienced registered geologists, engineers and other scientific and technical professionals and has the equipment to complete turn-key projects, from underground petroleum storage tank closure to obtaining a “no further action” status. With our Geoprobe 7822DT and CME-750 drill rigs, we are able to perform environmental site characterizations and risk assessments. Further, we own and operate a soil remediation facility (land farm) with which we can offer our clients a cost and effective soil disposal solution.

- Phase I & II Environmental Site Assessments (ESA)
- Underground Storage Tank (UST) Closures
- Site Characterization/Risk Assessment
- Corrective Action/Remedial Solutions
- Soil Disposal Alternatives



CIVIL SITE PLANNING & DESIGN

Smith & Co. provides a wide array of civil site analysis, design and site planning services. We gain a complete understanding of the existing conditions, project goals, site limitations and federal, state, and local government requirements in order to make each project a success. Smith & Co. has completed many civil and site planning projects for both public entities and private corporations.

We bring a wealth of knowledge and experience to the planning process, from a small retail store to a 100-acre professionally planned development, and everything in-between. Our understanding of the critical elements involved with successful site development makes Smith & Co. uniquely qualified over a broad spectrum of project types.

- Site Design
- Commercial
- Residential
- Industrial
- Municipal
- Institutional
- Utilities
- Grading
- Stormwater Management
- Regulatory Agency Permitting Process
- Site Master Planning
- Floodplain Development





SMITH & CO. ENGINEERS

KEY STAFF



Bob MacDonald
Chief Executive Officer
41 years of experience



Steve Hicks, PE
Chief Operating Officer
28 years of experience



Billy Cobb, PE
Engineering Manager
23 years of experience



Randy Thurman, PLS
Surveying Manager
44 years of experience



Mike Walker, RG
Geotechnical/Environmental
Manager
23 years of experience



Dominic Thompson, PE, MBA
Transportation
20 years of experience



Jeremy Manning, PE, CFM
Structures
15 years of experience



Bari Chase
Construction/Materials Lab
Manager
28 years of experience

COMMITMENT TO WORKFORCE DIVERSITY

Smith & Co is devoted to promoting and developing a diverse and inclusive workforce which is essential to our success as we work and live in diverse communities. Our commitment internally, can be measured by our actions. Our good faith effort/affirmative action plan has produced a workforce with 13% of our employees coming from diverse and historically underutilized backgrounds.

We have been successful with recruiting interns with diverse backgrounds from Southeast Missouri State University, Three Rivers College and Arkansas State University. Our commitment externally, includes our mentoring program to give students of diverse backgrounds an opportunity to step into our daily work as surveyors, designers, drafters, construction inspectors, and drillers. We also speak with high school, college, and technical school students about engineering and technical careers at events such as Build My Future, College Career Fairs and local schools.

Smith&Co. philosophy is to partner with diverse businesses from across the region to give opportunities for experience and professional growth for all individuals involved. This collaborative approach fosters an inclusive, diverse environment with proven results.

SMITH&CO STAFFING

Professional Engineers	9
EIT's	1
Professional Surveyors	3
LSIT's	2
Field Technicians	7
Survey Field Crews	2
Structural Engineers	2
Registered Geologists	2