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# SMITH & CO.

ENGINEERS

November 11, 2013

Ms. MaryAnn Jacobs  
MoDOT Central Office – Local Programs Administrator  
105 W. Capitol Avenue  
Jefferson City, MO 65102

**Re: Letter of Interest  
Local Program On-Call Professional Engineering Services  
Roadway Design Category**

Dear Ms. Jacobs:

We welcome the opportunity to assist Missouri's Local Program representatives and respectfully submit our qualifications to complete on-call Roadway Design professional services.

We have included the cover sheet, three Company Reference Forms and our company brochure with this Letter of Interest. We are prequalified with MoDOT and listed on MoDOT's Approved Consultant Prequalification List.

### **Why is Smith & Co. qualified to provide the Roadway Design?**

**S.H. Smith & Company (Smith & Co)**, a HUBZone small business enterprise, is a multi-disciplinary engineering and environmental services firm established in 1968. We are celebrating 45 years of service to communities in Southern Missouri and Northeast Arkansas. The services provided by Smith & Co. are Civil Engineering, Land Surveying, Environmental, and Exploratory Drilling and Materials Testing.

Smith & Co. has a staff of over 45 in Southeast Missouri including, thirteen licensed Professional Engineers (P.E.), three Professional Land Surveyors (PLS), two Registered Geologists and one Environmental Biologist. This staffing allows us to have the proper roadway design knowledge and support available throughout the project's design and construction process.

Smith & Company is uniquely experienced in Local Program projects, having been involved with the Missouri Department of Transportation's BRO and STP programs since their inception. We have the specialized experience and technical competence with respect to roadway design, specification preparation and related work for transportation roadway improvements.

Smith & Company staff maintains a high level of training through certifications from the Missouri Department of Transportation, the Federal Highway Administration, the American Society of Testing and Materials (ASTM), the American Concrete Institute and the American Association of State Highway and Transportation Officials (AASHTO). Our staff has completed ADA training to insure the project design can be completed in a manner that is compliant with current ADA and PROWAG guidelines.

With our staff size and capability we can respond promptly to any requests the agency may have regarding roadway design projects. Smith & Co. employee ownership culture encourages and delivers a professional approach to our projects and provides professional results for our clients.

**An example of our Roadway Design experience:**

**City of Poplar Bluff, Oak Grove Road:** Smith & Co. provided geotechnical, surveying, roadway design, and inspection services for Oak Grove Road in Poplar Bluff. It was previously a two-lane county road that transferred traffic between Township Line Road and Westwood Boulevard in Butler County,



Missouri. The existing annual average daily traffic on the county road totaled approximately 4,000 vehicles per day. Due to the extreme commercial growth occurring in the area, the two lane county road no longer handled the amount of traffic. Smith & Co. began working for the City to design a five-lane improvement of Oak Grove Road from US Route 67 to the Intersection of Oak Grove Road and Westwood Blvd. (US Business 60/67).

The project consists of two phases. The Phase 1 work included paving, earthwork, drainage, and traffic control improvements necessary

to widen to five lanes and realign Oak Grove Road over a distance of approximately 2,215 feet. Also included in this phase was the work required to construct two signalized intersections at the new Hospital entrance and the Shelby Road intersection and finally the paving of Shelby Road at and near its intersection with Oak Grove Road. The Phase 2 work includes paving, earthwork, drainage, and traffic control improvements necessary to widen and realign Oak Grove Road over a distance of approximately 1,743 feet. Also included in this phase is the work required for all street and driveway intersections with Oak Grove Road as well as improvements to Holly Trail at and near its intersection with Oak Grove Road. The project also included ADA sidewalks and pedestrian improvements.

The total construction cost for this project, including engineering, survey and inspection fees is estimated at approximately \$3,500,000.

Our past record of performance with respect to such factors as accessibility to clients, quality of work and ability to meet schedules can best be attested to by our present and previous clients. We are pleased to provide the three requested Company Reference Forms from the following agencies and have additional references upon request:

City of Poplar Bluff, Missouri: Doug Bagby, City Manager - (573) 686-8620

City of Jackson, Missouri: Rodney Bollinger, Public Works Director - (573) 243-3569

Butler County, Missouri: Ed Strenfel, Presiding Commissioner - (573) 686-8050

Missouri's Local Program  
Re: Letter of Interest in Roadway Design

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Again, we welcome the opportunity to serve Missouri's Local Program. Should you have any questions, please feel free to contact Bob MacDonald, Billy Cobb, or me at (573)785-9621.

Sincerely,



Bill Robison, P.E.  
Director of Business Development

Enclosures:   Cover Sheet  
                  3 Company Reference Forms  
                  Company Brochure

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ENGINEERS

## Company Profile



**Hydrology and Hydraulic  
Studies and Design**



**Water Treatment Plants  
Storage and Distribution**



**Wastewater Treatment Plants  
and Collection Systems**



**Bridge Design**



**Streets and Roads**

S.H. Smith & Company (doing business as Smith & Co.) is a multidisciplinary consulting firm established in 1968 by Samuel H. Smith, PE, PLS. The company is now 100% employee owned. The employee ownership trust was formed in 1994 to enable the continued success of the firm and our employee-owners. Smith&Co. is one of the largest firms of its kind outside the major metropolitan areas of Missouri, Illinois, Arkansas, Kentucky, and Tennessee.

Over the years, Smith&Co. has expanded its services to respond to regional market needs and to provide opportunities for the growth of our company and our employee-owners. Our firm presently offers civil engineering, surveying, environmental & geotechnical services, and material testing. These services are described in detail on the reverse side.

The variety of our service offerings provides opportunities for a diverse array of professionals. Our staff consists of over 40 people including Professional Engineers, Registered Geologists, Professional Land Surveyors, and other scientific and technical professionals. The company is based in Poplar Bluff, Missouri, approximately three hours from St. Louis and Memphis.

Smith&Co. has a strong client base including municipalities, county governments, large engineering firms such as MACTEC and URS corporation, architects, national retailers such as Home Depot and Walgreens, petroleum distributors and retailers, land developers, contractors, and private industries. In addition, we have on-call contracts for various services with the Missouri Department of Transportation (MoDOT). We also provide services to other state agencies such as Missouri Department of Conservation, Missouri Department of Natural Resources, and Missouri Department of Administration-Design & Construction. Many of our public works projects are financed in part or full by state or federal funds and we have experience with funding sources such as Community Development Block Grants and USDA-Rural Development.

Smith&Co. is registered as a HUBZone enterprise and Veteran-Owned business with the Small Business Administration. We are an equal opportunity employer and offer benefits including health, vision, dental, life, and disability insurance; 401(k) plan; employer contributions to Employee Stock Ownership Plan; and paid holidays, vacation and sick leave.

Most importantly, Smith&Co. provides opportunities for professionals to achieve a successful career and high quality of life.

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[www.shsmithco.com](http://www.shsmithco.com)

## Services

### Civil Engineering Services

Our engineering staff is experienced in the design and construction administration of a wide variety of project types, including transportation, storm water management, erosion control, drinking water source development & treatment, wastewater collection & treatment, and site design. We have designed over 90 bridge replacements in southeast Missouri - more than any other engineering firm in our district. Outside of the major metropolitan areas, our training and experience in civil engineering design is unmatched. 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.

### Surveying

Our surveying crews are capable of performing a variety of surveys, including boundary surveys, topographic surveys, 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, ground control for aerial photogrammetric and LIDAR mapping, high precision layout for power plant construction, and other related services.

### Environmental Services

Our environmental services are mostly related to petroleum storage tank sites. Smith&Co. employs Registered Geologists, Professional Engineers, and other scientific and technical professionals. We have the personnel, equipment, and experience to complete turn-key environmental projects, from underground storage tank closure to obtaining a "no further action" status. The focus of our environmental services is assisting clients in complying with agencies such as Missouri Department of Natural Resources and US Environmental Protection Agency. With our CME-45B drill rig, we are able to perform environmental site characterizations, risk assessments, and Phase I and II environmental site assessments. If rigorous environmental actions are required, we have experience in constructing, operating, and maintaining various remediation systems. Further, we own and operate a soil remediation facility (land farm) with which we can offer our clients a soil disposal solution.

### Geotechnical Services

Geotechnical explorations are conducted primarily with our CME-750 all-terrain drill rig. Such explorations are typically conducted for proposed building and bridge projects. Our drill crews are experienced with drilling and sample collection using auger (hollow-stem and flight), 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 liquefaction analyses and instrument installation for inclinometers and shear wave velocity analyses. Some such explorations and analyses are required in determining Site Class according to the International Building Code. Further, we employ Professional Engineers who specialize in geotechnical engineering. In this way, Smith&Co. personnel can guide the design process beyond the data acquisition stage by analyzing geotechnical results and providing recommendations.

### Material Testing

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

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Site Development and Stormwater



Surveying



Geotechnical & Environmental Drilling



Petroleum Storage Tank Removal and Cleanup



Remediation System Design