ST. CHARLES ENGINEERING AND SURVEYING, INC.
Consulting Engineers and Land Surveyors
801 South Fifth Street, Suite 202
St. Charles, MO 63301
(636) 947-0607
FAX 947-2448

November 13, 2013

Ms. Mary Ann Jacobs
Missouri Department of Transportation
105 West Capitol Avenue
P.O. Box 270
Jefferson City, MO 65102
ATTN: Mr. Kenny Voss, P.E., Local Program Administrator

Re: Consulting Firm Solicitation for Professional Services
Missouri's Local Program
Roadway Design

Dear Ms. Jacobs:

St. Charles Engineering & Surveying, Inc. has been extensively involved with the planning and design of roadways public agencies and private land developments throughout Missouri and Illinois since 1988.

Our engineering design responsibility include corridor planning, preliminary cost estimates for road improvements, public involvement, preparing funding applications for governing agencies, and preparation of plans and specifications for road improvements as well as the final road cost estimates. Our road design projects have also included roadside park areas, private access drives design, design of roadside pedestrian walkways and trails, detailed storm water hydraulic studies of the flood plain, storm sewer system design, water system redesign within the roadway, sanitary sewer system redesign within the roadway, bio-retention systems, storm water detention and retention lakes affected by the road reconstruction, Corp of Engineers permitting, Department of Natural Resourced permitting, and sustainable permeable pavement.

In 1993 the City of Weldon Spring appointed me, Michael N. Meiners, P.E., as the City Engineer to guide the City in all aspects of roadway planning and controlled land development. With the assistance of my staff at St. Charles Engineering & Surveying, Inc. we have maintained the position of City Engineer of Weldon Spring for more than 20 years, and St. Charles Engineering & Surveying, Inc. has prepared the construction plans, specifications, and cost estimates for many different roadway construction projects within the City of Weldon Spring. In addition we have prepared the successful funding applications that allow the City of Weldon Spring to get the grant funding to build the roadway projects. Our roadway responsibilities for the City of Weldon Spring include the following:

- Alternative route studies for roadways
- Road corridor maps for multiple amendments of the City comprehensive plans
- Prepare the application for County and Federal grants for roadway construction
- Design of 7 roadway construction plans that include pedestrian and bike facilities
- Prepared road maps for the City
- Studied connection routes for bike and horse trails
- Permitted all construction within the City of Weldon Spring public right-of way
- Been the liaison between the St. Charles County Highway Department and MoDOT

The road project we designed for the City of Weldon Spring includes the following:

YOUNG DRIVE/WELDON SPRING PARKWAY RECONSTRUCTION & EXTENSION
Project Description: The improvements extend Young Drive west to Siedentop Road, reconstruct Young Drive from Beckman Road east to Mergenthal Drive and extend Young Drive northeast to a point approximately 500' west of Independence Road. Young Drive was a 26' wide concrete road with a rolled curb and gutter that is being improved to be a 39' wide road with vertical curb and gutter, either dedicated left turn or center turn lanes, sidewalks on both sides of the road, and landscaped islands in the center along a specific stretch of the improvements. Length of project is approximately 3,200 linear feet.

INDEPENDENCE ROAD PHASE 1 STP-7302(601)
Project Description: Reconstruct a two lane road with 9 feet wide lanes to twelve feet wide lanes, left turn lanes, with four bike lanes on each side, 2.5' feet wide curb and gutter section, and 5 feet wide sidewalks on both of the roadway. Length of the project is approximately 3,300 feet.

INDEPENDENCE ROAD PHASE 2 STP-7303(611)
Project Description: Reconstruct a two lane road with 9 feet wide lanes to twelve feet wide lanes, left turn lanes, with four foot shoulders, 2.5' feet wide curb and gutter section, and a 8 feet wide multiuse trail on one side of the road. The length of the project is approximately 2,300 feet.

PATRIOTIC TRAIL
Project Description: SCES, Inc. prepared a set of construction plans and specifications for the construction of a new roadway between Independence Road and Wolfrum Road. The proposed roadway provides uniform twelve (12') foot lanes with four (4') foot shoulders and open ditches. An 8 feet wide pedestrian walkway was also designed to parallel the roadway. The length of the project is 4,500 feet.

WOLFRUM ROAD IMPROVEMENTS
Project Description: Reconstruct a two lane road with 9 feet wide lanes to twelve feet wide lanes, left turn lanes, with four foot shoulders, 2.5' feet wide curb and gutter section, and a 8 feet wide multiuse trail on one side of the road. The length of the project is approximately 4,900 feet.

St. Chares Engineering & Surveying, Inc. has also provided the construction plans, specifications, public forums, and cost estimates for roadway reconstruction project for St. Charles County Highway Department that includes the following:

PITMAN HILL ROAD PHASE 2 STP-9900(689)
Project Description: Reconstruct a two lane road with 9 feet wide lanes to twelve feet wide lanes, left turn lanes, with four foot shoulders, 2.5' feet wide curb and gutter section, a sidewalk on the east of the roadway. Length of the project is approximately 3,700 feet.

PITMAN HILL ROAD PHASE 3 STP-7302(622)
Project Description: Reconstruct a two lane road with 9 feet wide lanes to twelve feet wide lanes, left turn lanes, with four foot shoulders, 2.5' feet wide curb and gutter section, a sidewalk on the east of the roadway. Length of the project is approximately 3,700 feet.

St. Chares Engineering & Surveying, Inc. has also provided the construction plans, specifications, and cost estimates for roadway reconstruction project for the City of St. Charles that include the following projects:

FOX HILL ROAD RECONSTRUCTION
Project Description: Reconstruction for Fox Hill Road from North Highway 94 to North Randolph Street. We prepared construction plans, specifications, and cost estimates to improve the existing narrow two lane asphalt road. The new road has uniform twelve (12') foot lanes with a center turn lane. Storm sewers and sidewalks were also upgraded. Length of the project is approximately 3,300 feet.

LAWRENCE ALLEY RECONSTRUCTION
Project Description: Reconstruction of an alley east of 2nd Street from Lawrence to French Street that included removal of existing pavement, design new concrete alley, with storm sewers and curb along one side to collect storm water. Rework existing intersections to promote positive drainage.

In addition, for the City of St. Charles, we prepared construction plans for North Main Street Reconstruction from Adams Street to Riverside Drive and for Sixth, Ninth, and Washington Reconstruction.

We have not listed all of the local agency projects we were responsible for; however the above demonstrates that we are a capable design firm. We have also provided the necessary land surveying for all of the above projects.

I would lead our team for road design projects as the professional engineer. My background includes 32 years of experience including 25 years as founder and lead engineer at St. Charles Engineering & Surveying, Inc. I received a degree in Civil Engineering and a degree in Geology from the University of Missouri, Columbia in 1981. From 1984 to 1987, I was the City Engineer of the City of Florissant, Missouri. I have extensive experience in roadway design, land planning, hydraulics, design of construction plans, specifications, bidding projects, selecting contractors, and public involvement. My design team will include Gabe DuBois who has degrees in physics and mathematics and 16 years of civil engineering experience. Gabe is experienced in roadway design, storm water hydrology and design, flood plain studies, public involvement, and utilities coordination. Shari Hall, who has over 26 years of experience, would serve as a designer and work closely with both Gabe and I. Our professional land surveyor is Richard Sieckmann, PLS who has 16 years of experience at St. Charles Engineering & Surveying, Inc. Our field surveyors and office staff are fully computer automated and we are confident that we can provide the needed services for the local agency road design.

Please feel free to contact me if you need any additional information regarding the firm.

Sincerely,

Michael N. Meiners, P.E.
President

SERVICES PROVIDED

PLANNING
Concept Planning
Preliminary Planning
Meeting with Officials
Utility Planning
Roadway Strip Mapping
Future Land Use Planning

IMPROVEMENT DESIGN
Roadways and Parking Areas
Sanitary Sewers
Storm Sewers
Water Systems
Grading Plans
Erosion Control Plans

WATER DISTRIBUTION PLANS
Water Line Plans
Fire Hydrant Plans
Valve and Meter Plans
Construction Detail

Magnolia Subdivision

ZONING
Zoning Research
Rezoning Advice
Zoning Applications
Zoning Exhibits
Public Meeting Presentations

HYDRAULIC DESIGN
Drainage Area Model
Storm Sewer Hydraulics
Flood Plain Studies
Detention Basin Routing
HEC Studies
FEMA Letters of Map Amendment (LOMA) and Revisions (LOMR)

HAZARDOUS WASTE SURVEY
40 Hour OSHA Training
Coordinate System Conversion
Volume Measuring
Site Control Monumentation
Construction Stakeout

Superfund Project

ROAD CONSTRUCTION MANAGEMENT

Bid Review
Site Manager
Invoice Review
Change Order Negotiation
As-Built Plans

WELDON SPRING PARKWAY

INDEPENDENCE ROAD RECONSTRUCTION
PHASE 1

SURVEYS

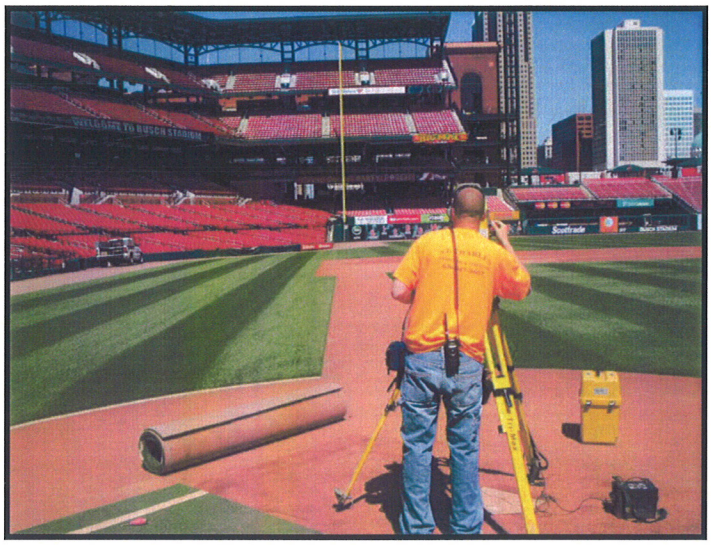
Boundary, Right-of-Way and Easements
ALTA/ACSM Land Survey Titles
Topographic and Profile Surveys
Aerial Photography
Flood Plain
GPS (Satellite)
Surveyors Real Property Reports
Boundary with Improvement Surveys
Lake Surveys
Flood Insurance Elevation Certificates

WASTEWATER DESIGN

Sanitary Trunk Line
Lift Stations
Force Mains
Grinder Pump Systems

CONSTRUCTION STAKEOUT

Buildings
Grading
Roadways
Sewers
Water Lines and Hydrants
Parking Lots
Land Development Improvements
Cut Sheet Preparation



The New Busch Stadium