

November 15, 2013

Mr. Kenny Voss, PE
Local Program Administrator c/o Mary Ann Jacobs
Missouri Department of Transportation
105 West Capitol Avenue
Jefferson City, MO 65102

Re: Request for Letters of Interest, Missouri's Local Program On-Call Services: **Trails & Sidewalks**

Dear Mr. Voss:

Cook, Flatt & Strobel (CFS) Engineers is pleased to submit our letter of interest to provide On-Call Engineering Services for the category specified as Missouri's Local Program (LPA) Trails & Sidewalks. With our in-depth experience working with local public agencies, we have seen a tremendous growth in several communities' desire to provide infrastructure that enhances the quality of life for all. Citizens see trails and pathways as necessities to create thriving, exciting, and vibrant areas. Over the last 10 years CFS has provided professional engineering services to over 15 communities accounting for over 75 miles of trails and multi-use pathways. Not only has CFS staff been certified in the MoDOT LPA process, but we also were tapped to provide complete streets training by the Mid-America Regional Council for their member communities.

The benefits of the CFS team can be summarized as follows:

- Over 100 years of combined experience in transportation design
- On-Call LPA services have been one of our core businesses since 1961
- Significant experience working with federal and MoDOT processes and staff throughout the state
- Offices in Kansas City, Springfield and Branson allow for easy client access anywhere in Missouri
- CFS Engineers' investment in and use of the **Riegl VZ-1000 3-D Terrestrial Laser Scanner** increases the speed and accuracy of our mapping, shortening the timeline to Right of Way planning and roadway design, significantly.

TRAIL AND SIDEWALK DESIGN SERVICES

We have seen an increase in the importance of trails and multi-use pathways in most every community we have worked with. Citizens more than ever, want to experience and enjoy their communities whether by foot or bike, and these facilities need to be able to accommodate anyone's physical condition. These factors must be accounted for when planning and designing trails and sidewalks. However, there is more to this than "It's just a sidewalk."

Our typical project approach is to meet with the City to discuss a potential project, walk the project corridor to identify the challenges and opportunities presented and then to provide the City with a project cost estimate. We also investigate alternatives for mitigating and avoiding property and utility impacts. Our goal is to stretch the City's budget and maximize the amount of trail or sidewalk to be constructed with the available funding.

CFS has provided engineering studies, conceptual analysis, designs and construction drawings for many bike and pedestrian corridors and facilities in recent years. These projects have included alignment studies to determine preferred route locations, conceptual design, preliminary design, final design, and construction phase services. We have provided these services for Missouri municipalities as MoDOT LPA projects, and we have also completed plans and designs for pedestrian facilities as a feature to the majority of our site development and municipal street improvement projects.

These facilities have all included ADA compliant sidewalks and multi-use paths/trails. Many projects have also included traffic signal modifications for ADA accessibility and pedestrian accommodations. CFS has provided engineering design for ADA compliant sidewalks, trails and multi-use paths for many states and municipalities. CFS has been the engineer of

choice on many major development projects in and around the Kansas City area. All these development projects required ADA compatible design. In addition, our engineers' design follows the requirements of the AASHTO and MODOT Guidelines for Trails and Bicycle Facilities. These guidelines are used in the planning and design of multipurpose trail facilities to provide the proper geometry and features for compatibility with the needs of both pedestrians and bicyclists.

Key Team Members	Years of Experience	Project Role
Sabin Yañez, P.E.	28	Principal In Charge
Charles Le Page, P.E.	25	Senior Engineer/Project Manager
Richard Walker, P.E.	29	Senior Engineer/Project Manager
Todd Polk, PE	25	Senior Engineer/Project Manager
Joel Buffington, P.E.	16	Utilities & Trail Design
Angelo Mannino, P.E.	43	Utilities & Trail Design
Dallas Joplin, PE	8	Engineer
Lucas Williams, PE	10	Engineer
Tom Ingram, P.E.	29	Sustainable/Environmental Design
Bill Stafford, P.E.	40	Geotechnical Engineering
Kenneth Blair, P.E.	34	Construction Management & Inspection

RELEVANT PROJECT EXPERIENCE

The following list is a partial list of projects with trail and sidewalk components.

Warsaw Bike and Pedestrian Facilities Regional Master Plan, Warsaw, MO – The project contains more than 25 miles of proposed bike and pedestrian facilities with multiple access and functions with connectivity to the trail system throughout the city. CFS worked closely with Warsaw, MoDOT, the MO Dept of Conservation, the COE, Ameren UE and the National Parks Service.

Route 9 Bicycle and Pedestrian Trail, Parkville MO – CFS developed plans for a 10' wide, 1.2 mile long multi-use path from Route 45 south to Honor Lane/NW Hamilton Street. The project included elements of a highway side path and a forested trail.

Route 350 Bicycle and Pedestrian Trail, Raytown MO – CFS developed plans for a 10' wide, 0.8 mile long multi-use path along 350 Highway from Blue Ridge Boulevard to Maple Street. This highway corridor trail included 8 commercial entrance crossings, and 4 public street crossings, and 2 crossings of 350 Highway. Key features also included pedestrian signal improvements at Laurel Ave, Gregory Boulevard, and Maple Ave.

MARC Complete Streets, Raytown, Kansas City, MO – CFS completed a master plan for development of safe, viable and effective accommodation of bicyclists, pedestrians, transit customers and other non-motorized travelers, as well as recreational activity in Raytown and the Hickman Mills area.

Line Creek Trail, Riverside, MO – The project is a planned extension of two segments of Line Creek Bicycle/Pedestrian Trail from the Missouri River north along Line Creek. Segment one is ¾ mile in length connecting to E.H. Young Riverfront Park and segment two is ½ mile connection to Homestead Park.

Drake Harbor Phase II Trail, Warsaw, MO – CFS developed a 10' river walk to the Drake Harbor recreation and festival area with lighting and electrical hookups for festivals and seasonal activities along the riverfront.

Steamboat Landing Riverwalk, Warsaw, MO – This project consists of a bike/pedestrian path and boardwalk along the northern perimeter of Drake Harbor including cantilevered decking bump-outs for scenic overlooks and connections for boat slips. The project provides connectivity to existing and future trails along the riverfront.

Phase III Riverwalk, Warsaw, MO - The project includes 1200 feet of lighted bike/pedestrian pathway and a 120 foot span pedestrian bridge that extends along the waterfront of the Osage River/Lake of the Ozarks.

Joe Dice Bridge and Trailhead Improvements, Warsaw, MO – This project includes bridge lighting, brick-paved pathway with ornamental path lighting, parking lot, kiosks, park benches, bike racks and restroom.

MKT Trail Bridges No. 6, 12, AND 13, Columbia, MO - This project consisted of replacing an existing bridge with a new pedestrian structure that accommodated several miles of trail extension as part of the Columbia Trails Master Plan.

108th Street, Harrison Street to Holly Street, Kansas City, MO – This parkway project totaling 1.5 miles includes a 10 foot multi-use trail on one side and a 5 foot sidewalk on the other with bike lanes adjacent to either side of the parkway. This improvement is part of the MARC MetroGreen Plan.

Shoal Creek Parkway, Kansas City, MO – This project consists of 1/2 mile of new divided parkway on a new alignment and included in street bike lanes, a 10' wide multi-use trail and 5 foot sidewalk. This improvement is part of the MARC MetroGreen Plan.

Lake Shawnee Trail, West Edge Road, Topeka, KS – This project consists of 13,150 feet of a 10 foot wide multipurpose trail along West Edge Road at Lake Shawnee. This included a multipurpose trail, trail gateway, regional trailhead, 100 ft. bridge, 400 ft. bridge, 30 car parking lot and 175 car parking lot.

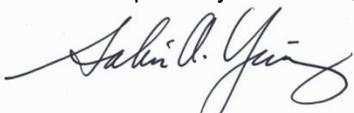
DIVERSITY

At Cook, Flatt & Strobel Engineers our employees are what makes our business great. CFS is an equal opportunity employer, committed to hiring the most qualified candidate for any position; a policy that has resulted in a substantially diverse workforce. We incorporate our unique educational, managerial, political, ethnic and socioeconomic backgrounds to produce quality services that reflect the diversity of our team.

We work to develop opportunities and interest in CFS Engineers by actively hiring summer interns and provide opportunities and encouragement for students by sharing our enthusiasm for engineering at school sponsored college-career days. Our differences, our experiences and our passion make us a resilient, hardworking and dependable firm committed to diversification.

CFS is a firm committed to providing Local Public Agencies with unparalleled technical expertise and service. We believe we are the right firm to help Local Agencies with their engineering challenges and will provide them cost-effective and innovative solutions that will address their needs while adhering to their budgets. Our goal is always to provide engineering solutions that address immediate needs, function well for future years and are adaptable for long-term master plans.

Respectfully submitted,



Sabin A. Yañez, P.E.
Principal

CFS

ENGINEERS

cfse.com

One Vision. One Team. One Call.

Company Competencies November 15, 2013

- Structures
- Roadway Design
- Trails and Sidewalks
- Construction Inspection
- Traffic Engineering & TEAP



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Springfield, Missouri
3816-A S. Greystone Ct.
Springfield, MO 65804
417.893.6030

Kansas City, Kansas | Topeka, Kansas | Lawrence, Kansas | Wichita, Kansas

One Vision. One Team. One Call.

CFS is a leading provider of professional engineering and surveying services. Our staff of over 70 professionals offers client-focused solutions for transportation, public infrastructure, structural, construction, and geotechnical engineering. We consider it a privilege to have partnered with communities for the past half-century, and we are just as committed today to our core values of service, as when we began in 1961.

Our work has been recognized, our achievements celebrated and our efforts rewarded. Several CFS led projects have received national awards for creativity and design including top industry awards for engineering excellence.

We are more than an engineering firm. Our team includes dynamic professionals passionate about tackling challenges and creating “real-world” solutions. CFS integrates a broad range of services within one organization offering unique comprehensive approaches to all of our clients.

CFS is also listed on the MoDOT's Approved Pre-Qualification List.

Engineering and design services include:

- Transportation
- Planning
- Survey
- Bridge/Structures
- Construction Inspection
- Public Utilities
- Geotechnical
- Site Development
- Multi Modal

52 years of Civil
Engineering and Survey Service

We make sure all stakeholders
share an identical **Vision.**

Communication with all
Team members ensures
successful outcomes

CFS offers a variety of engineering
services in-house. We're just a
phone **Call** away.

Award Winning
Service

CONTACT:

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Roadway Design. We at CFS believe all successful transportation projects are founded on three key elements: planning and design expertise, on-going communications with stakeholders and clients, and delivery on budget and as scheduled. This is the mind set we take into all of our projects.

Roadway design services includes:

- Location Studies - Corridor Planning
- Local Street Planning Urban/Rural Arterial Design
- Freeway Design
- Multi-level Interchange Design

Recreation & Trails. With our in-depth experience working with local public agencies, we have seen a tremendous growth in several communities' desire to provide infrastructure that enhances the quality of life for all. Citizens see trails and pathways as necessities to create thriving, exciting, and vibrant areas. Over the last 10 years CFS has provided professional engineering services to over 15 communities accounting for over 75 miles of trails and multi-use pathways.

CFS offers these benefits:

- Trailhead Design
- Trail Gateway Design
- Multi-Use Pathway Design
- Shelters/Restrooms
- Maintenance Facilities

Construction. When investing public funds, communities want assurance their finances are invested wisely and efficiently. Construction administration, inspections and observations are the insurance for accomplishing this goal. Since the inception of our firm in 1961, CFS has provided construction inspection services. We have built a staff of highly trained and certified construction inspectors with experience in managing LPA projects through the necessary MoDOT and federal processes. We have assisted numerous clients with the completion of many types of public infrastructure projects, including roadways, bridges, structures, water and waste water systems and utility projects.

Construction services comprise of:

- Communication & project coordination with client and stakeholders
- Pre-construction meetings
- Coordination with utility companies
- Material Certifications
- Monitoring Roadway construction activities
- Maintaining complete project documentation
- Preparing pay estimates and change orders
- Providing Periodic reports to the Client
- Conducting final inspection and final pay estimates
- Conducting weekly contractor progress meetings

Roadway Design Projects



Longview Road
Kansas City, Missouri

Trails and Sidewalks Projects



Route 9 Pedestrian & Bike Trail
Parkville, Missouri

Construction Inspection

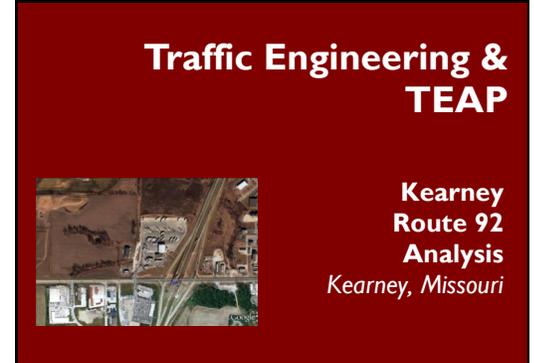


Horizons Parkway
Riverside, Missouri

Traffic Engineering & TEAP. As communities change and grow, it is critical to maintain a safe and efficient transportation network. This effort often includes the analysis of traffic conditions, regarding flow, congestion, accidents and changes in land use. Analyses can also involve the interplay of vehicles with pedestrians, bicyclists and public transit. Solutions that can come from these types of studies can be signalization of intersections, roadway geometric improvements, enhanced signing, striping and lighting.

Benefits of CFS' Traffic Engineering incorporates:

- Traffic Counting
- Safety Auditing
- Traffic Modeling
- Bicycle/Pedestrian Level of Service Analysis
- Roadway Alternatives Analysis
- Signal Design (including Pedestrian signals)
- Signing Design
- Pavement Marking Design
- Lighting Design



Structures. Bridges are the foundation of CFS. Whether it's a design for highway separations, pedestrian bridges, long span railroad crossings or stream crossings, CFS can determine and execute the most suitable design and construction approach. We are constantly seeking new technology in highway and bridge design in order to assist our clients in achieving the safest, most efficient and convenient movement of people and goods.

In addition, CFS has provided load rating and biennial inspection services for thousands of existing bridges throughout the Midwest. We also perform structural inspections on over 800 bridges each year.

Our structure endeavors consist of:

- Highway Separations
- Pedestrian Bridges
- Long Span Railroad Crossings
- Stream Crossings
- Bridge Design and Inspection
- Bridge Rehabilitation
- Structural Analysis
- Load Rating
- Biennial Inspections
- SI & A Sheets

