

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: Traffic Engineering & Traffic Engineering Assistance Program (TEAP)**

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 –Traffic Engineering & TEAP. Having a long history of providing transportation design services throughout the state of Missouri, we are qualified to provide these services and are confident our staff, with their depth of understanding and capability, stands above the rest. We have current on-call contracts with seven communities throughout Missouri. Our CFS team is very familiar with the MoDOT LPA process and is currently certified through the MoDOT LPA training constructed in 2012.

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

- Over 100 years of combined experience in transportation design
- DOT 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
- Providing On-Call Engineering Services, including Traffic Engineering to many Local Agencies.

TRAFFIC ENGINEERING AND TEAP

CFS has provided engineering traffic analyses and studies for a multitude of clients both Public and Private for a wide range of infrastructure and operational improvements. In addition, the majority of our transportation and private development projects require that we evaluate alternative scenarios to determine the most cost-effective solution to addressing safety, capacity, operation and functionality to meet the client's needs and ultimate goals for the improvement.

Services we offer include:

Corridor Planning	Signing and Pavement Marking Design
Transportation Master Plans	Speed Studies
Traffic Operations Engineering	HCM Studies & Modeling
Traffic Analysis	Lighting Analysis and Design
Parking and Transit Studies	State Highway Signage Design
Pedestrian and Bicycle Studies	Review of Traffic Impact Studies
Synchro and VISSIM modeling	Signalization planning and design

Traffic analyses include gathering historic and recent data, as well as new daily and/or peak hour counts and turning movements to determine the existing traffic conditions and develop traffic models to analyze how the existing infrastructure operates with future traffic volumes. This analysis is used to determine what improvements are needed for a roadway corridor and intersections to adequately accommodate traffic in future years. This information is also used in combination with traffic projections for a new development to determine what improvements are needed for the roadway corridor to adequately handle the proposed traffic volumes for construction year and future years. CFS has provided parking studies for many of our development projects, including on-site and off-site parking, park and ride lots and utilizing transit.

CFS' traffic engineering experience has incorporated analyses and design of signalized intersections, roundabouts, major highway interchanges, roadway widening, ITS improvements, pedestrian signals, signage, pavement markings, as well as bike lane and pedestrian facilities for complete streets projects. *Below is a partial list of key CFS personnel with considerable traffic engineering experience.*

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
Joel Buffington, P.E.	15	Traffic Engineering & Design
Dallas Joplin, PE	8	Traffic Studies/Design
Tom Ingram, P.E.	29	Traffic Studies/Design

RELEVANT PROJECT EXPERIENCE

Highway 76 Complete Street, Branson, Missouri - CFS is leading the exciting and challenging Transformation of Missouri Highway Route 76 in Branson into a "Complete Street" whereby the roadway corridor is redesigned and reconfigured to enable safe, attractive, and comfortable access and travel for all users, including pedestrians, bicyclists, motorists and public transport users of all ages and abilities. The goals of the project include improvement to safety, reduction of visual clutter from overhead utility lines, aesthetic lighting management, and themed amenities such as benches, plantings and signage, encouragement of health through walking and biking, creation of a sense of place, improvement to social interaction, and generally improvement to the economic vitality of Branson's central attraction area. As part of our work, CFS is conducting a complete traffic analysis of the 5 mile corridor and the surrounding region's transportation network. This work includes collecting current traffic volumes at numerous locations, speed studies, development of VISSIM and Synchro traffic models for existing and future scenarios, parking studies and safety analysis. The results of our traffic analysis will be used to establish the conceptual plan for corridor improvements.

Route 92 Traffic Analysis, Kearney, Missouri- Route 92 Traffic Analysis east of I-35 to Platte-Clay Way. The City retained CFS to conduct an independent traffic analysis for the proposed development in the SE quadrant of I-35 & Route 92. The work consisted of the review of possible geometric improvements and the creation of traffic models to simulate future traffic conditions. This work also included public involvement with neighborhood groups concerned about the impacts of this development.

I-35 and 16th Avenue Access Justification Report, North Kansas City, MO, MoDOT – The city was interested in investigating the potential of a full-access interchange at I-35 & 16th Ave. This study includes detailed VISSIM traffic simulation and modeling, conceptual alternatives analysis and multiple agency coordination.

I-29 / I-35 Corridor, North Kansas City, MO – This project included traffic impact analysis and conceptual alternatives in consideration of the future expansion of I-29 to eight lanes with a new Missouri River bridge. Analysis included Synchro traffic modeling in coordination with the MoDOT EIS. Work was utilized as input to the Draft EIS for I-29/35.

MO Route 740, Stadium Boulevard, Columbia, MO - CFS designed roadway widening with new signals, lighting, signage and pedestrian improvements to increase roadway capacity, improve access management, enhance traffic management and safety. The initial work included corridor traffic modeling to determine the proposed roadway improvements.

I-49 & North Cass Parkway, Belton/Raymore, MO - CFS completed the corridor study location for a new east-west corridor across northern Cass County, from Route 291 to Route D (Holmes Road). CFS developed a traffic impact analysis study showing the impacts of the new interchange on the existing transportation network. This analysis included multiple traffic modeling scenarios. CFS worked closely with MoDOT, Cass County, Belton, Raymore and the landowners representing the Transportation Development District.

US 69 & Branson Hills Parkway, Branson, MO – CFS worked with the developers, the City of Branson and MoDOT District 8 to determine traffic improvements necessary for Branson Hills Parkway due to increased retail development. As part of this work CFS created multiple Synchro scenarios allowing for a phased implementation of improvements.

Argosy Casino Parkway, Riverside, MO- CFS worked with City of Riverside to develop alternative roadway access to Argosy Casino, which was restricted by an at-grade railroad crossing of the roadway leading into the site. This resulted in the design and constructed of a new roadway and railroad overpass allowing uninterrupted traffic access into the development. This work required traffic analyses and coordination with MoDOT.

Krug Park Amphitheater, St. Joseph, MO- CFS prepared traffic impact studies and parking studies to determine potential parking sites as well as utilization of available parking downtown and along the riverfront using transit/trolley to accommodate the possible expansion of the Krug Park Amphitheater to 18,000 visitors for concert events.

ADDITIONAL RELEVANT LPA PROJECT EXPERIENCE INCLUDING TRAFFIC ENGINEERING

- **Ozark and Armour Traffic Study, Intersection & Signal Design, North Kansas City, MO**
- **Maplewoods Parkway Reconstruction & Widening, Kansas City, MO**
- **Longview Road Traffic Studies, Reconstruction, Widening, Signals, Kansas City, MO**
- **Route 92 and Bennett Blvd/Shanks Rd/I35 West terminal, Kearney, MO**
- **Vivion Rd and Rte AA, Riverside, MO**
- **Riverway and Rte 9, Riverside, MO**
- **US-65 & Main Street Traffic Study for Interchange Improvements, Warsaw, MO**

ADDITIONAL RELEVANT PRIVATE DEVELOPMENT EXPERIENCE INCLUDING TRAFFIC ENGINEERING

- **St. Joseph Medical Center, I-435 & State Line Road, Kansas City, MO**
- **Children's Mercy Hospital East, I-70 & Little Blue Parkway, Independence, MO**
- **St. Mary's Medical Center, Route 7 & Mock Avenue, Blue Springs, MO**
- **I-70 Community Hospital, I-70 & Route 127, Sweet Springs, MO**
- **Ray County Memorial Hospital, Route 13, Richmond, MO**
- **The Shoppes at Kearney Traffic Analysis, Route 92 & Platte/Clay Way, Kearney, MO**
- **Stateline Station at Route 150, Route 150 & State Line, Kansas City, MO**

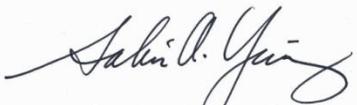
DIVERSITY

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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Branson, Missouri
119 W. Pacific Street
Branson, MO 65616
417.544.4507

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

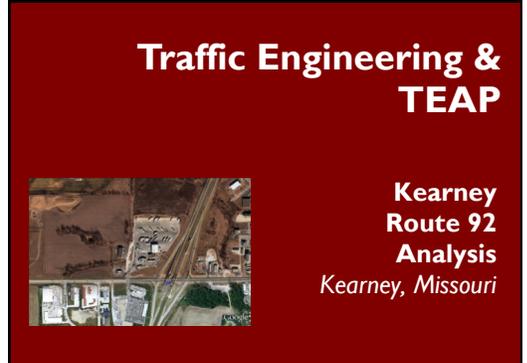


Horizons Parkway
Riverside, Missouri

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

