



**Missouri's
Local
Program**
*for community
development*

COVER SHEET

(This must accompany your firm's letter of interest and does not count in the page limit)

Firm's Full Legal
Name:

Cook, Flatt & Strobel Engineers, P.A.

Firm Contact Name:

Sabin Yanez, P.E.

Contact Email
Address:

syanez@cfse.com

Firm's Mailing Address:

1421 E. 104th Street, Suite 100

Kansas City, Missouri 64131

Work Category:

- Roadway Design
- Trails & Sidewalks
- Construction Inspection
- Traffic Engineering & TEAP
- Structures
- Environmental
- Historic Preservation



Cook, Flatt & Strobel Engineers, P.A.
1421 E 104th Street, Suite 100
Kansas City, Missouri 64131
816.333.4477

December 13, 2019

Re: Request for Letters of Interest | LPA On Call Services | Trails & Sidewalks

Dear Ms. Buechter,

Cook, Flatt & Strobel (CFS) Engineers is pleased to submit our letter of interest to provide On-Call Engineering Services for the Trails & Sidewalks category. CFS has completed several successful pedestrian and bicycle facility projects in the past, and we look forward to growing our relationship by collaborating together towards MoDOT's strategic direction.

PREQUALIFICATION & ACCESSIBILITY

CFS is on the MoDOT's Approved Consultant Prequalification List. Having a long history of providing trail and sidewalk design services, we are qualified to provide these services and provide a depth of understanding and capability. While our corporate headquarters is in Topeka, projects in Missouri will be performed by our Missouri office locations in Kansas City, Jefferson City, and Springfield. We are a short trip away from any location in Missouri, and our clients know that we have the availability and commitment to take on projects anywhere in the State. Our clients can depend on our design experience to ensure the project addresses traffic demand and safety, matches the desires of the community, and that the final product will provide lasting economic value for the area.

GENERAL EXPERIENCE OF FIRM

Since 1961, CFS has provided transportation designs for a wide range of rural and urban locations. Our approach to Sidewalk and trail projects is based on accomplishing a greater vision for more resilient communities, reducing traffic congestion and the impact on the environment, repurposing systems to better serve communities, and reconstructing our nation's critical infrastructure to advance mobility and safety. At CFS, our designs adapt to local conditions and incorporate community resources to create one innovative system of naturally occurring landscapes, active lifestyles, ecosystems, heritage, and education. We look to create a pedestrian and bicycle environment that is attractive for commercial and residential land uses and to reduce conflict points between vehicles, pedestrians, bicyclists, trains, and public transit users to provide a complete street. Our goal is to provide insightful and dependable assessments of transportation systems, planning documents, and construction plans while forging lasting partnerships with common values and working diligently towards new options for improving traffic and safety.

Over the past 15 years, CFS has become one of the leading firms in the planning and design of trails and sidewalks. We recognize that more and more communities are looking to provide "quality of life" options for their citizens and visitors. Sidewalks encourage active mobility in and around neighborhoods and downtowns, while trails can provide wonderful opportunities for people to connect to parks and nature. Utilizing the proper design features and standards, we focus on tailoring solutions a community's specific vision.

To gain consensus for a location's preferred active transportation concepts, we reach out to communities through meaningful interactive walkabouts and hands-on voting methods at public engagement events. We hear the voices of the neighborhood who wish to remove unsafe travel conditions, reduce travel times, and implement technology to facilitate a better quality of life. Based on their concerns and our toolkit of beneficial alternatives, together we can reach the goals of reducing travel delay and emissions and connecting parks and community areas using recreational trails, shared-use paths, bike boulevards, and scalable multimodal infrastructure.

KEY TEAM MEMBERS

Our team believes the key to your project's success will be the personnel identified to deliver the work.

QUALIFICATIONS OF PERSONNEL

Our passions complement statewide operations with each member of the team bringing their expertise to tackle the full spectrum of transportation engineering. We have a combined total of 199 years of experience in performing sidewalk and trail design projects.



Michelle Mahoney, PE, ENV SP - Project Manager Ms. Michelle Mahoney, PE ENV SP efficiently manages the design process of roadway projects and organizes the flow of each task from different disciplines into one continuous timeline. Her understanding of both community desires and technical elements help her address project constraints while adhering to the overarching goal of creating beautiful spaces that become a magnet for community interaction. As a Senior Associate with CFS, she is empowered to lead our professional and technical resources through each project milestone.



Rick Walker, PE - Senior Project Engineer Mr. Walker has experience in the design of MoDOT interstates, rural and urban highways, local roads, trails, and sidewalks. He is experienced in project management, geometric design, cost estimation, traffic analysis, drainage, intersection design, signalization, permitting, utility coordination, signing, pavement markings, and maintenance of traffic.



Andrew Robertson, PE PTOE PTP - Project Manager / Engineer Mr. Andrew Robertson has a deep versatility for overcoming a wide variety of traffic challenges within Missouri ranging from safety studies to regional transportation modeling to access management solutions to multimodal design. As a PTOE and Professional Transportation Planner (PTP), Mr. Robertson works to effectively manage projects with a refined approach for connections from Complete Streets to Land-Uses.



Dan Halloway, PE - Senior Project Engineer Working with the same company for over 28 years is evidence of Dan's commitment to team building and aptitude for project success. His roles typically include management of projects from concept creation through planning, design and final construction. Although he provides project oversight, he is heavily involved in the analysis and problem solving aspects of each project and enjoys working alongside team members to design innovative solutions.

KEY TEAM MEMBERS	YEARS EXPERIENCE	PROJECT ROLE RESPONSIBILITIES
Sabin Yanez, P.E.	35	Sr. Associate Project Director QAQC
Michelle Mahoney, PE, ENV SP	25	Project Manager Project Planning & Design
Andrew Robertson, PE, PTOE	8	Project Manager/Engineer Project Planning & Design
Rick Walker, P.E.	35	Sr. Project Engineer Planning & Design
Dan Halloway, P.E.	38	Sr. Project Engineer Planning & Design
Todd Polk, P.E.	33	Sr. Project Engineer Planning & Design
Neila Seda, P.E.	23	Project Engineer Planning & Design
Tom Ingram, P.E., PTOE	35	Sr. Engineer Planning & Design

DIVERSITY

CFS supports the individual characteristics and experiences of our diverse staff. Our leadership and staff proactively promotes recruitment and collaboration of diverse talent that will add to our firm's resiliency and dependability. Our hardworking attitude seeks new points of view to better serve our community, add to our range of professional capabilities, and provide comprehensive insightful planning and design services. We believe in the natural innovation that occurs by collaboration between unique educational, managerial, political, cultural, and socioeconomic backgrounds. By discovering how our differences, our experiences, and our work passions can interconnect, we bring out a stronger appreciation for all walks of life into our daily workflow and expand our staff's experiences through collaboration of diverse project teams. Our team is committed to equal opportunities, hiring highly qualified candidates, supporting employee efforts to contribute to our work environment, supporting employee advancement and enthusiasm to grow into management, strengthening our public engagement by supporting multiple languages, and advancing our internship and mentorship programs. We actively promote the growth of diversity in the workforce through our high school outreach programs and by partnering with institutions of education to encourage undergraduates and graduates to explore their engineering talents regardless of age, religion, gender, race, ethnicity, disability, sexual orientation, communication style, work style, economic status, and geographic origin

PAST PERFORMANCE

Project Showcase - Kansas City, MO - Briarcliff Greenway Trail, Design Build Project

CFS Engineers teamed with MegaKC for the Briarcliff Greenway Trail design-build project. This section of the Briarcliff Greenway was very wooded meaning a conservation-forward approach was needed to successfully maintain existing natural features. With steep downhill slopes, the concrete trail navigates along the hillside overlooking a streamway. Across the four major waterway crossings, elevated boardwalks were constructed. This is a unique strategy within the parks system which helped to preserve the surrounding greenspace. Disturbance along the trail corridor was restricted to a 15 ft wide swath of land. By maintaining narrow construction limits, adjacent native plantings, trees, and wildflowers were preserved. As a major consideration during the design process, a vegetation survey determined which plants and areas needed to be preserved and allowed for community relocation of a percentage of native wildflowers. With only two points of access for construction, all construction materials had to be brought in from either end of the project including all of the concrete for the trail and lumber for the boardwalks. **2022 HONORABLE MENTION APWA KC Metro Chapter Large City Transportation Under \$5 Million**

Project Showcase - Kansas City, MO - Bike KC Downtown Loop

This project provided 12 additional miles to the already 200 miles of bike lanes in Kansas City, Missouri. This project involved coordination between multiple city departments and entities, including KCMO Parks and Recreation, Public Works, the Streetcar Project and the KCATA. It includes improvements to several streets and intersections. It provides interconnectivity to 4 of the 12 bike sharing stations currently existing, adding to the accessibility of the downtown loop. CFS was responsible for the design, including preliminary plans submittal, utilizing the complete level of service methodology to create an objective analysis of the transportation conditions for each project area.

Project Showcase - Osawatomie to Herington, Kansas - Flint Hills Nature Trail

The Flint Hills Trail is a rails-to-trails project that extends 117-miles from Osawatomie to Herington, Kansas in the right-of-way of the former Missouri Pacific Railroad (MoPac). The trail connects six counties including Miami, Franklin, Osage, Lyon, Morris, Dickinson and pass through numerous communities along the way. The Kansas Department of Wildlife, Parks and Tourism (KDWP) selected the design team of CFS Engineers and RDG Planning and Design to lead the planning and design of the improvements, which will be completed in segments as funds become available.

Project Showcase - Raymore, MO - Hawk Ridge Park

This existing park is typically a passive park within the City of Raymore parks system. Existing amenities include a fishing lake with trails, shelter, band stand and practice fields. CFS Engineers was hired to update the park's master plan and plan for new amenities within the park. Upcoming projects under design include parking lot and connector trail around practice fields, new internal connector road, new entry plaza with shelter and restrooms, new pickleball courts, parking, and Sunset Lane road design with water, sewer and stormwater infrastructure.

Project Showcase - Grain Valley, MO - Cross Creek Pedestrian Bridge

This project includes the construction of a 95' long Prefabricated Pratt Steel Truss Pedestrian Bridge over the Blue Branch Creek in Jackson County, Missouri. The bridge will support a 10-foot wide future trail as part of the Grain Valley Parks and Recreation phased trail system. This component of the trail system will provide thousands of local residents immediate trail access and transportation to the connected City facilities such schools and future parks. Access Roads and easement for the bridge required extensive coordination with the City, MoDOT and the existing land-owner. This project was primarily funded under the federal Transportation Alternatives Program (TAP) and administered by MoDOT under LPA delivery. Therefore all MoDOT environmental and cultural requirements had to be coordinated and cleared during the design phase of the project. CFS assisted the City from inception through design phases and will continue to support during construction and are looking forward to the opening of the bridge.

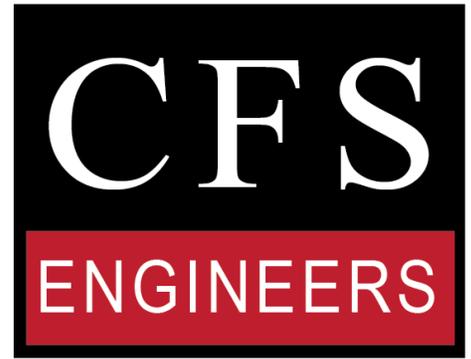


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STATEMENT OF
QUALIFICATIONS



TRAILS
and
SIDEWALKS



CFS is a full-service civil engineering consulting firm that provides professional engineering, transportation and environmental services throughout the Midwest. Our staff of over 90 professionals offers client-focused solutions for public infrastructure, private development, structural, geotechnical and survey projects. As a medium sized firm, we maintain stability, constantly pushing for state-of-the-art solutions, while remaining focused on our core values of service and project quality. We consider it a privilege to have partnered with hundreds of communities and clients for the past half-century.

We prove to our clients that as a vibrant engineering firm, our team includes dynamic professionals passionate about tackling challenges and generating real-world, common sense solutions. Within each project, we strive to improve quality of life, protect natural resources, and better the environment. CFS integrates a broad range of services within one organization, offers comprehensive approaches to clients, and provides expertise to infrastructure challenges. We're not just an engineering firm; we're an extension of your values and hard work.

RECREATIONAL TRAILS & MULTI-MODAL CONNECTIONS

CFS has designed over 300 miles of trails and bikeways in addition to many multi-use pathways within parks and sports complexes. From master planning to final plans, our trails match the desires of the community while enhancing quality of life and connections between recreational facilities, local businesses, community event spaces, and parks. We design for the convenience and safety of the trail user which leads to a reduction in automobile traffic, a reduction in air and noise pollution, and the creation of a sustainable, healthy, and friendly environment.

CREATIVITY IN DESIGN

CFS strives to bring beauty and authenticity to every place. Our designs account for the needs and wants of the citizens which results in more active lifestyles. By incorporating outdoor gathering areas and gateway features, we take a normal gray infrastructure project and adapt technology and green practices to expand the area's feeling of vibrancy. We have been recognized by our clients, our peers, and the people who visit our designed parks and recreation spaces for our creativity that has helped elevated the status of the community.

DESIGN FOR ADA STANDARDS

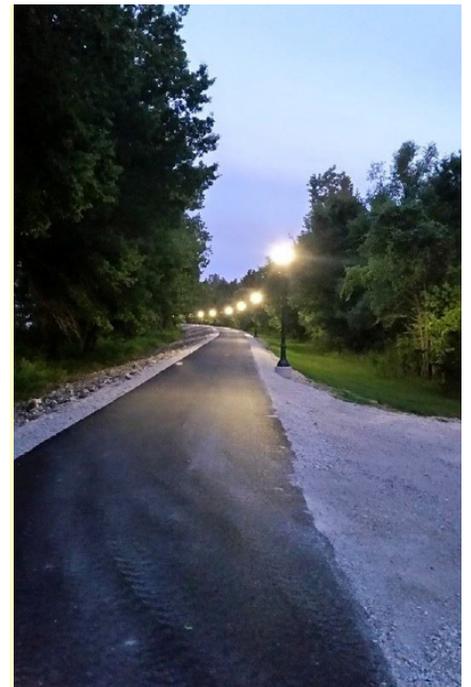
Good design is accessible to every member of the community. By integrating this simple philosophy in the conception and development of our projects, we inconspicuously invite every community member to enjoy our completed projects. CFS design staff are educated in the interpretation of the Americans with Disabilities Act as well as regularly apprised of all updates, ensuring that ADA standards and regulations are seamlessly included in our overall design, concepts and details.

Type of Business: Corporation
Date of Establishment: 1961

CONTACT INFORMATION

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Andrew Robertson, PE, PTOE, PTP



WARSAW TRAIL EXPERIENCE

WARSAW, MISSOURI

Drake Harbor Phase II Trail - CFS worked with the City Administrator to develop a paved river walk extension to the Drake Harbor recreation and festival area that provided a new pedestrian trail with lighting and electrical hookups for festivals and seasonal activities along the riverfront. Since its opening this trail has seen lots of activity and is used throughout the year. The City added park benches and there are endless possibilities for additional enhancements to this area such as landscaping, gazebos monuments and park features. The proposed Drake harbor Phase III Trail will add the connectivity between the Drake Harbor Phase II trail and the Steamboat Landing Boardwalk.

Phase III River Walk - CFS worked with bridge manufacturers to develop the design of this wood decked pedestrian bridge. The bridge consists of a 120, dual-span steel structure with wood decking spanning a small cove inlet that provides connectivity between the Joe Dice Swinging Bridge at Route 7 and the Drake Harbor festival and recreation area. This trail provides connectivity from Drake Harbor and the Community Building, across Joe Dice Bridge and from there accesses the levee trails system and City sports facilities and ultimately to Truman Dam.

Other projects with Warsaw included improvements to the *Joe Dice Swinging Bridge* with bridge lighting, paved & lighted parking, a public restroom, lighted trail and trailhead connections at either end of the bridge. In addition, CFS completed a downtown streetscape and parking improvement at Van Buren and Washington Street that required ADA compliance for new sidewalks. This project included stamped concrete pavers, landscape plantings, decorative lighting, ADA access into buildings, off street parking and drainage improvements.

CFS also worked with the City of Warsaw in developing a Harbor and Trail enhancement plan that includes a trail above the Steamboat Landing Boardwalk that will provide connectivity to three levels of trail heads, with a public restroom and improved parking. Additional large block retaining walls with connecting stairways, decorative lighting, landscaping and drainage improvements will be incorporated into future projects. This plan also takes into consideration allowances for outdoor gathering areas within the Drake Harbor Recreation Area.

AWARD WINNING

DRAKE HARBOR
RECREATION AREA

2018 RTP Achievements
Community Linkage Award



One Vision. One Team. One Call.

TRAIL AND SIDEWALKS

SMITHVILLE, MISSOURI

The project included the design of a 5 foot wide sidewalk on Commercial Street south from Highway 92 to Shamrock Way and southeast to connect to the existing subdivision sidewalks to safely facilitate pedestrians and bicyclists on Commercial Street. In addition, CFS provided design for an 8 foot wide multi-use trail on Main Street from Liberty Road to Litton Way to facilitate pedestrian and bicyclists from Downtown Smithville to Smith's Fork Park (Smithville Lake).

CFS provided the design and construction documents for the design of trails and sidewalk connecting the community to downtown Smithville and Smithville Lake. CFS Engineers responsibilities included project management, preliminary and final design, retaining wall design, ADA accessibility curb ramp plans, hydrologic/hydraulic modeling, storm water design, utility coordination, and construction administration. CFS provided surveying that set controls and benchmarks, identified right-of-ways and existing easements, documented title work, and provided new easement descriptions / exhibits. CFS facilitated the permitting process with the preparation of MDNR land disturbance permits, developed the SWPPP, and led coordination efforts with MoDOT, the public with an open meeting and utility companies.



FLINT HILLS NATURE TRAIL

OSAWATOMIE TO HERINGTON, KANSAS

The Flint Hills Trail is a rails-to-trails project that extends 117-miles from Osawatomie to Herington, Kansas in the right-of-way of the former Missouri Pacific Railroad (MoPac). The trail will connect six counties including Miami, Franklin, Osage, Lyon, Morris, Dickinson and pass through numerous communities along the way. The Kansas Department of Wildlife, Parks and Tourism (KDWPT) selected the design team of CFS Engineers and RDG Planning and Design to lead the planning and design of the improvements.

Development of the trail will encourage outdoor recreation and provide safer routes for pedestrians, bicyclists and equestrians. Several segments of the trail are unimproved or closed, but long range plans call for improvements along the entire length.

