



**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
- Multimodal Planning / Systems and Facilities Design
- Transportation Planning – **NEW CATEGORY**



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

Re: Request for Letters of Interest | LPA OnCall Structures

December 12, 2025

Dear Mrs Buechter,

CFS Engineers is excited for the opportunity to provide LPA Structures Engineering Design services to the communities throughout Missouri. Our firm has specialized in structural engineering for the past 60 years and our extensive knowledge of structures engineering is our strength.

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

- CFS Engineers and specifically our Bridge Project Engineers, Kenny Blair, and Gene Petersen have combined over 100 years experience in bridge and highway structures design.
- CFS Engineers has offices in Kansas City, Jefferson City, and Springfield, MO and have staffed these offices with senior, experienced Engineers. This provides CFS a network of offices that will allow us to provide the client access and level of service throughout the state that MoDOT will expect from the selected provider.
- CFS understands On-Call clients' needs. We have served as an On-Call Bridge Engineer for KDOT and other counties and municipalities scattered throughout Missouri and Kansas. We have a well founded understanding of the issues a client faces when a project need is immediate and technical expertise is urgent. As an on-call provider we will represent any local public agency's interests as well as other government agencies that may be involved. We know the steps needed to get approvals from all parties to deliver projects on time and under budget.
- CFS prides ourselves in our ability to be a one-call full-service firm. CFS has invested heavily in our and geotechnical engineering capabilities by purchasing our own boring rig and updating our Kansas City lab and staff. This has allowed CFS to increase our full service capabilities on bridge and structural projects, as well as expedite project schedules.

GENERAL EXPERIENCE OF FIRM

CFS started out designing bridges and we consider it a privilege to have partnered with DOT's and other government agencies for the past half-century, and we are just as committed today to our core values of service as when we began in 1961. Whether it's a complex design for a separated highway, a railroad grade separation or stream crossing, CFS will determine and execute the most suitable design and construction approach. We utilize the latest in structural analysis and design tools in order to achieve the safest, most efficient bridge design. In addition, CFS has provided load rating and biennial inspection services for thousands of existing bridges. We perform structural inspections on over 800 bridges each year.

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. The engineers at CFS bring to each project, the benefit of fresh perspective to ensure innovative solutions produced in an efficient, professional and timely manner.

The following are key points that make CFS highly qualified to serve MoDOT:

- 100+ member firm with an extensive bridge design portfolio spanning 60 years
- Bridge engineers with city, county and MoDOT experience and familiarity
- QC/QA Program in place to ensure minimal costs due to errors
- Committed to good stewardship of resources allotted to any and all on-call projects

QUALIFICATIONS OF PERSONNEL

At CFS we have assembled a team that has worked on high-profile projects across the country growing our expertise. From big interchange projects to design-build passenger rail projects, our engineers bring a wealth of design and project management expertise that rival any mid-sized engineering consultant in the state. By attracting the most talented workforce along with our full-service development, CFS can perform the quality of work expected of a large firm for a fraction of the cost.



Kenny Blair, PE
- **Senior Bridge Engineer**

Mr. Blair is the Structural and Design Engineer in responsible charge of the firm’s overall bridge and building design and structural inventory and appraisal procedures. He has over 40 years of experience in the bridge engineering industry and his background includes extensive work with local, state and federal agencies.



Gene Peterson, PE -
Bridge Engineer

Mr. Petersen has performed various duties for the firm such as bridge inspection, bridge design and construction inspection. He has also performed Biennial Bridge Inspections, 5-Truck load rating of county bridges, hydrologic and hydraulic backwater analysis of various stream crossings, and structural design of substructures for haunch slab and pre-stressed beam bridges.



Don Hayden, PE - **Senior Project Manager/Engineer**

Donald Hayden, P.E. is a Senior Project Manager with Cook, Flatt & Strobel Engineers (CFS), currently leading the Design-Build GO Bond Sidewalk Program for the City of Kansas City, Missouri. With over 30 years of experience in transportation and municipal infrastructure, Donald brings extensive expertise in project management, design oversight, and construction inspection. His career includes leadership roles with HNTB, H.W. Lochner, and the Illinois Department of Transportation, where he directed statewide road and bridge repair initiatives and managed complex, multimillion-dollar design-build and rehabilitation projects.

KEY TEAM MEMBERS	YEARS EXPERIENCE	PROJECT ROLE
Kenny Blair, P.E.	44	Bridge Manager Senior Bridge Engineer
Don Hayden, P.E.	30	Sr. Project Manager Engineer
Gene Petersen, P.E.	26	Associate Bridge Design
Tom Ingram, P.E., PTOE	40	Project Engineer Hydraulic Analysis & Design
Eli May, P.E.	15	Project Engineer Bridge Planning & Design
John Frazier, EI	4	Project Engineer Bridge Planning & Design
Lonnie Martin	43	Sr.Structural Engineer Bridge Planning & Design
Rick Stegman	32	Sr.Structural Technician Bridge Planning & Design

PAST PERFORMANCE

Project Showcase - MoDOT & Vernon County, MO - Route K & Route BB Bridge Replacements

CFS led structural design for the bridge replacements of Route BB over Moore Branch and Route K over Camp Branch outside of Nevada, MO. A three span prestressed concrete spread box beam superstructure is being utilized for bridge BB and a single-span NU girder bridge is proposed for Bridge K. The substructure for both bridges was founded on integral end bents and pile cap intermediate bents utilizing H-piles. CFS was responsible for bridge and roadway plans, cost estimate, bridge hydraulics and scour report, and the floodplain development permit application.

Project Showcase - MoDOT & Johnson County, MO - Route E over Black Jack Creek

CFS designed a three-span prestressed concrete spread box beam superstructure to replace the bridge of Route E over Black Jack Creek. The substructure was founded on integral end bents and pile cap intermediate bents utilizing H-piles. CFS completed the hydraulic analysis, design plans, cost estimates, and job special provisions for the project.

Project Showcase - MoDOT & Scott County, MO - Route U & Route O Bridge Replacements

This project included the construction of two new bridges over waterways. Route U was designed as a 68 ft single-span prestressed spread box beam structure to replace a deficient 95 ft three-span I-Beam structure. By shortening this structure and eliminating the intermediate bents, construction time and cost were decreased. Route O was designed as a triple 15 ft x 8 ft reinforced concrete box culvert to replace the existing 74 ft three-span concrete channel beam structure. This design maintains the existing hydraulic properties of the channel while decreasing the long term maintenance. CFS was responsible for the design plans, hydraulic analysis, cost estimates, and job special provisions.

Project Showcase - Greene County, MO - Crenshaw Road Bridge Replacement

CFS designed a replacement structure for the aging Crenshaw Road Bridge over the Farmers Branch Creek for Greene County. The old bridge had originally been built in 1937 as part of the WPA project. The previous 50 ft structure with a central support column was replaced with a 63.5 ft composite prestressed concrete I-girder single-span bridge that included safety railing and upgrades to the approach roadway. Design included a hydrologic and hydraulic analysis using HEC-HMS and HEC-RAS modeling, streambank stabilization evaluation and protection, and evaluation of scouring and overflow effects. This project consisted of the design of approximately 270 ft of Crenshaw Road including clearing, grading, paving, erosion control, traffic control, permanent signing, and pavement marking. CFS Engineers provided environmental permitting services and coordinated design with MoDOT.

Project Showcase - Clay County, MO - North Home Avenue Bridge Replacement and Roadway Design

The North Home Avenue bridge was a complete replacement and included the construction of a single 40 ft prestressed span bridge over Fishing River with 400 ft of new roadway. The severe roadway grade was improved by raising the roadway profile and lengthening the bridge. The bridge end bents utilized vertical high-wall abutments on pile footings to meet the geometric needs, reduce the need for right-of-way, improve sight distance, and advance the goals of roadside safety. The previous structure had significant scouring with the hydraulic analysis supporting the investigation. CFS provided the design plans, geotechnical subsurface investigation, survey, environmental and cultural clearance permit applications, inspection, and coordinated with MoDOT.

Project Showcase - Cape Girardeau, MO - Sloan Creek Bridge Replacement

CFS completed the design plans, cost estimates, and job special provisions for the superstructure replacement of Big Bend Roadover Sloan Creek. The final design was a steel superstructure which replaced the existing prestressed concrete double-tee superstructure. By using steel, CFS was able to match the existing grade while minimizing the load put on the existing substructure. Included in this project was the design of repairs to a slope failure.

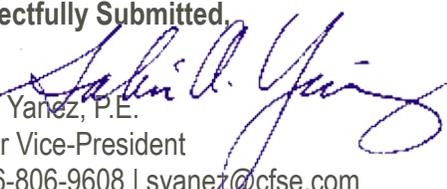
Project Showcase - Cass County, MO - Park Street Road Bridge

CFS provided design, survey, hydrology, right-of-way and easement descriptions for the design of a road and bridge replacement over Coldwater Creek for Cass County, Missouri. The project is located 3.25 miles north and 2.25 miles east of Route D & Route 00 intersection. Construction Phase Services entailed daily on-site presence for plan interpretation, material acceptance and documentation, diary and pay item documentation, monthly pay estimate preparation, change orders (as required) and overall communication with county and contractor personnel. Inspection items for this project included the following: clearing and grubbing 597 feet road realignment that included grading, Haunch Slab Bridge with 180 feet of 10" structural steel pile and interior bents with trash walls, rock blanket (rip-rap) seeding and mulching, erosion control, and guardrail installation.

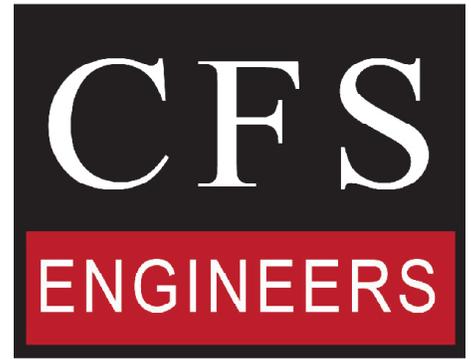
Project Showcase - Cass County, MO - Main City Road Bridge Replacement & North Home Avenue Bridge Replacement and Roadway Design

CFS provided design, survey, hydrology, right-of-way and easement descriptions, road and bridge design and construction inspection for replacement of a bridge over Coldwater Creek for Cass County Missouri. The bridge is located 2.0 miles south and 0.2 miles East of the intersection of Route O and Route W. Construction Phase Services entailed daily on-site presence for plan interpretation, material acceptance and documentation, diary and pay item documentation, monthly pay estimate preparation, change orders (as required) and overall communication with county and contractor personnel. Inspection items for this project included the following: clearing and grubbing 2600LF road realignment, grading, compacting and surfacing installation of Class III Reinforced Concrete Pipe (RCP), construction of the concrete headwall with automatic floodgates, seeding and mulching, erosion control; construction of the 152.5 foot - three span Parabolic Haunch Slab Bridge with 1016 feet of 10" structural steel pile, rock blanket (rip-rap) and guardrail installation

Respectfully Submitted,


Sabin Yanez, P.E.
Senior Vice-President
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STATEMENT OF
QUALIFICATIONS



BRIDGE DESIGN



CFS is a full-service civil engineering consulting firm that provides professional engineering, transportation and environmental services throughout the Midwest. Our staff of over 100 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 are more than just an engineering firm. Our team includes dynamic professionals passionate about tackling challenges and generating real-world, common sense solutions. CFS integrates a broad range of services within one organization offering comprehensive approaches to clients.

DIVERSITY

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. 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. .



BRIDGE DESIGN

In 1961, we started out designing bridges in Topeka, Kansas - today, CFS performs inspection, design and construction phase services for thousands of bridges throughout the Midwest. Whether it's a complex design for a separated highway or a simple pedestrian bridge or stream crossing, CFS will determine and execute the most suitable design and construction approach. We utilize the latest in structural analysis and design tools in order to achieve the safest, most efficient bridge design. In addition, CFS has provided load rating and biennial inspection services for thousands of existing bridges. We perform structural inspections on over 800 bridges each year.



HYDROLOGY & HYDRAULICS

CFS performs watershed delineation, hydrologic modeling, hydraulic modeling, floodplain mapping, and storm drain modeling. We utilize various methodologies, including HEC-1, HEC-RAS, HMS, TR-20, TR-55 and Rational. CFS analyzes open-channel drainage systems and existing natural streams for FEMA flood studies and regularly prepares and files documents of map revision.

SURVEY & LIDAR

CFS Engineers utilizes the most current technology and qualified staff to collect and manage topographic and boundary data. We offer the use of LiDAR scanning as well as traditional survey methods. Licensed land surveyors prepare all legal descriptions, including easements, rights-of-way, and exhibits. CFS survey crews provide staking services for hundreds of different projects including grading, bridges, roads, utilities, sites, and buildings. We work with the contractor to provide clear, accurate direction for construction.



ADDITIONAL PROJECT HIGHLIGHTS

SLOAN CREEK BRIDGE REPLACEMENT *Cape Girardeau, Missouri*

CFS, completed the design, plans, cost estimates and job special provisions for the superstructure replacement of Big Bend Road over Sloan Creek for the City of Cape Girardeau, Missouri. We designed a steel superstructure to replace the existing prestressed concrete double-tee superstructure. By using steel, we were able to match the existing grade while minimizing the load put on the existing substructure. Included in this project was the design of repairs to a slope failure. Construction of this project is complete.



ROUTE U & O BRIDGE REPLACEMENTS *Scott County, Missouri / MoDOT*

The project included the construction of two new bridges over waterways. The first, Route U, was designed as a 68' single span prestressed spread box beam structure to replace a deficient 95'-2" three span I-Beam structure. By shortening this structure and eliminating the intermediate bents, construction time and cost were decreased. For the second structure on Route O we designed a triple 15'x8' reinforced concrete box culvert to replace the existing 73'-8" three span concrete channel beam structure. This design maintains the existing hydraulic properties of the channel while decreasing the long term maintenance cost of the structure.

CFS was responsible for the design, plans, cost estimates and job special provisions for two structures in Southwest Missouri over local drainage ditches. CFS prepared preliminary bridge plans, hydraulic design, and final bridge PS&E.



ROUTE U



ROUTE O

One Vision. One Team. One Call.

CRENSHAW ROAD BRIDGE *Greene County, Missouri*

CFS designed a replacement structure for the aging Crenshaw Road Bridge over the Farmers Branch Creek, on the southeastern side of Springfield, Missouri, for the Greene County Public Works Department. The old bridge had originally been built in 1937 as part of the WPA project. The existing 50' structure with a central support column was replaced with a 60' free-span bridge that also included safety railing and upgrades to the approach roadway. Design included a hydrologic and hydraulic analysis using HEC-HMS and HEC-RAS modeling, stream bank stabilization evaluation and protection, and evaluation of scouring and overflow effects during roadway overtopping events (due to site restrictions, bridge could only pass a 10-year storm).



This project consisted of the design of approximately 270 feet of Crenshaw Road in Greene County, Missouri. Construction includes clearing, removal of improvements, grading, paving, erosion control, traffic control, permanent signing, and pavement marking. The project also includes design of a 63'-6" Composite Prestressed Concrete I-Girder Span Bridge. CFS Engineers provided environmental permitting services and coordinated design with Greene County and MoDOT. CFS is responsible for providing construction plans and bid documents.

STOKES ROAD BRIDGE & ROAD IMPROVEMENTS *Vernon County, Missouri*

The new Stokes Road Bridge replaces an existing low water crossing at Little Dry Wood Creek located southwest of Nevada. The previous crossing was located in the center of an erratic stream alignment, as well as the Stokes Road roadway alignment which was constructed in a tight "S" curve configuration. The previous roadway alignment at the creek precludes the use of a conventional span-type bridge structure that has the ability to handle the projected flood discharge.



CFS selected a new, straighter alignment that does in fact handle the discharge - yet lends itself to a 100' simple one-span structure. The entire roadway including the bridge is only 834' long, thus providing Vernon County with an economical roadway/bridge solution.

This project consisted of the design of approximately 830 feet of Stokes Road in Vernon County, Missouri. The previous low water crossing on Stokes Road was removed, and the roadway was realigned with a single span 99'-6" Pre-stressed Concrete I-Girder Bridge designed to cross traffic over Little Dry Wood Creek. Construction included clearing, removal of improvements, grading, paving, erosion control, traffic control, permanent signing, and pavement marking.

MAIN CITY ROAD BRIDGE *Cass County, Missouri*

CFS provided design survey, hydrology, right-of-way and easement descriptions, road and bridge design, and construction inspection for replacement of a bridge over Coldwater Creek. The bridge was located 2.0 miles south and 1.2 miles east of the intersection of Route O & Route W.

