



**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:

Bacon Farmer Workman Engineering & Testing, Inc.

Firm Contact Name:

Barry Horst, PE

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Firm's Mailing Address:

3437 William Street

Cape Girardeau, MO 63701

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**

2026-2029 LPA On-Call Roadway Design

Missouri's Local Program for
Community Development
LPAoncall@modot.mo.gov

• City of Cape Girardeau TAP-1501(020) Intersection Improvements at Cape Rock Drive, a 2026 ACEC Engineering Excellence Award Recipient.



Bacon Farmer Workman Engineering & Testing, Inc.

(BFW) is pleased to submit our statement of interest and qualifications for providing local program (LPA) roadway design engineering services under a three-year master agreement with the Missouri

Department of Transportation (MoDOT). The BFW team proposed for this project is composed of experienced engineers with extensive backgrounds working on LPA and MoDOT projects. With our seasoned staff, strong project history, and available capacity, we are ready and willing to take on these projects and will deliver the final products on time and within the budget constraints set forth by the local sponsor.

Commitment to Workforce Diversity

BFW is committed to continually building a diverse workforce across all our office locations. We have an excellent record of minority and female hiring, with 28% of our current workforce represented by these groups. We understand the importance of a diverse workforce and the new ideas and creativity it brings. We believe that more varied perspectives result in stronger teams, satisfied clients, and the best possible solutions.

General Experience of Firm

BFW personnel have extensive experience in providing conceptual, preliminary, right-of-way, and final design plans for roadway projects. The team is familiar with procedures related to the types of projects anticipated under this contract. BFW has a strong history of successful highway and bridge designs for local sponsors and MoDOT. Our projects regularly undergo post-construction reviews, which help us refine our design skills and strengthen our project development processes. Staff members have designed a wide variety of projects across a broad range of sizes and scopes. This diverse portfolio includes intersection improvements (both signalized and unsignalized), turning and auxiliary lane additions, bridge and culvert replacements, rural and urban roadway enhancements, and major interstate improvements.

Past Performance & Familiarity/Capacity

The following section outlines our perspective on the key stages of project delivery, supported by representative examples from our past performance.

Conceptual Study

BFW understands and has prepared conceptual study reports for the clients we have served. We are aware of the role a project's environmental classification plays in this process. For projects classified as a CE, we have relevant experience preparing reports for bridge replacements, intersection signalization or geometric improvements, turn-lane additions, and other lower-impact projects. Our past performance also includes developing 1R, 2R, 3R, and 4R reports. At this stage of project development, we work to identify and document issues where established design criteria will not be met. We are experienced in preparing design exceptions and understand the varying approval levels associated with different project oversight requirements.

Public Involvement

BFW can assist MoDOT and project stakeholders in developing a public involvement plan tailored to the project's needs. Our team understands the issues that commonly arise at public meetings and hearings. We also assist in facilitating meetings with public officials and organizations on an as-needed basis to support MoDOT staff.

BFW has conducted numerous public meetings and hearings for local sponsors, including Dunklin County and the Cities of Perryville, Cape Girardeau, Hayti, Sikeston, and Dexter.

Location Studies

For projects of a more extensive nature requiring an environmental assessment or environmental impact statement, BFW has a strong understanding of the NEPA process and the environmental considerations necessary for successful alternative analysis. Our Project Managers have worked on large projects involving detailed and extensive environmental studies, giving our team a broad understanding of the NEPA process.

Currently, BFW is preparing an environmental study for MoDOT covering a large portion of the US 412 corridor in Dunklin County (JOP2272). We also participated as teammates with Lochmueller in the study of alternatives for improvements to a portion of US 60 to Future I-57 (JSE0156).

Preliminary Design

We are familiar and experienced with the process of establishing line and grade during early-stage design. Understanding that the purpose of this phase is to develop initial roadway alignment concepts and right-of-way limits, we work to gather the information necessary to advance a project toward final design.

BFW is currently completing preliminary design for improvements to Business Route 25 in Malden, Missouri (JSE0144), and Route 14 in Douglas County (J9P3808).



City of Sikeston Route 61 Intersection Improvements

Right-of-Way Plans

This phase establishes roadway alignments, determines necessary right-of-way takings, and defines ties to the public land call system. Information contained in these plans is used to purchase fee title and easement rights and to initiate coordination with utility companies for facility relocations. We are well versed in establishing right-of-way limits, minimizing takings, and supporting utility companies through the relocation process. Right-of-way plans were recently prepared for MoDOT on include the following:

- Route Z in Cape Girardeau County (J9S3738)
- Route 51 in Perry County (JSE0246)
- Route M in Butler County (J9S3453)
- Right-of-way plans were recently prepared for local sponsors on the following:
 - Cape Rock Drive intersection and sidewalk improvements for the City of Cape Girardeau, TAP-1501(20), (21), and (22)
 - East Main Street sidewalk, drainage, and retaining wall improvements for the City of Jackson, TAP-3000(09).

Final Design

Coordinating tasks and information at this stage is vital for completing final PS&E. With basic design criteria established and project impacts addressed, our focus becomes assembling all the necessary details for the contract package. We are experienced in preparing quantity summary sheets, special sheets, traffic control plans, grading plans, job special provisions, and project estimates. Our goal is to provide MoDOT with clear, biddable, and accurate contract plans for letting. Plans, specifications, and estimates were recently prepared for MoDOT on the following projects:

- Route D/Page Avenue in St. Louis (JSL0027)
- Route 364 at Bennington Place in St. Louis (JSL0093)
- Route 25 in Cape Girardeau County over LRDD Ditch #25, US 61 in Cape Girardeau County over Erlide Creek, and Route NN in Perry County over Saline Creek (three-bridge package: J9P3772, J9S3810, J9S3771)
- Route Y/BB roundabout in Scott County (JSE0150)
- Gettings Lane RR Crossing in Pemiscot Co. for Multimodal Section, RRP024S(19)

Plans, specifications, and estimates were recently prepared for local sponsors on the following projects:

- Cape Rock Drive intersection and sidewalk improvements for the City of Cape Girardeau, TAP-1501(20), (21), and (22)
- East Main Street sidewalk, drainage, and retaining wall improvements for the City of Jackson, TAP-3000(09)
- North West Street sidewalk improvements for the City of Sikeston, TAP-5800(016)

Qualifications of Personnel



Barry Horst, PE
Office Manager

Barry has 35 years of experience in the transportation engineering field. He joined BFW after a career with MoDOT and serving as the Executive Director of the Southeast Missouri Regional Planning and Economic Development Commission. During his time with MoDOT, he gained experience in construction inspection and contract administration. He also served as Design Team Leader, District Chief Designer and as the Southeast District Design Department Manager. In that role, he led the design, survey, and utility staff and helped prepare the district's right-of-way and construction program.



Stacy Earnhart, PE
Senior Transportation Engineer

Stacy has over 20 years of experience in multiple areas of engineering. She worked in highway design at MoDOT for six years and spent eight years as the County Engineer in Pulaski County, Illinois, where she supervised and directed all design, maintenance, and operations of the county highway department. Stacy has also worked as an independent contractor, serving as a resident engineer and construction inspector on numerous projects throughout Illinois District 9, in addition to working with local governments to complete projects. Stacy is a certified ADA Coordinator and has completed detailed designs for numerous ADA-compliant trail and sidewalk projects in local communities.





City of Sikeston TAP-5800(016) Sidewalk Improvements



Andy Meyer, PE
Project Management
& Public Involvement
32 years of transportation
experience



Eric Krapf, PE
Project Management & QA/QC
32 years of transportation
experience



Jason Vanderfeltz, PE
Project Management
30 years of transportation
experience



Matt Voss, PE, CFM
Drainage Analysis
20 years of transportation
experience



David Johnson, PE, PTOE
Traffic Analysis
10 years of transportation
experience



Susannah Campbell, PMP
Environmental and
Cultural Support



Brian Holt, PE
MOT, WZTC, Staging, Utilities,
Constructability Review.
34 years of transportation
experience



Andrew Ellinghouse, EIT
Staff Engineer,
Roadway Design



Matthew Babcock, EIT
Staff Engineer,
Roadway Design

Accessibility

With three Missouri offices in Jefferson City, Cape Girardeau and St Louis, being responsive to a local project sponsor's need for design assistance is where the BFW team excels. Our current workload allows us to immediately begin the design and detailing of projects that may be under a tight letting schedule. This ensures that turn-around time requirements can be met for projects of any size. Even with an accelerated schedule, quality will never be compromised.

Flexibility & Innovation

BFW strives to continually meet the needs of its clients by remaining available and open to changing requirements throughout the life of a project. An example of this philosophy is the innovative use of storm sewer on the Route Y/BB Scott County intersection project to reduce the project footprint, eliminate right-of-way acquisition, and avoid sensitive cultural

resource features identified during project screening. In this case, positive and proactive collaboration with SE District staff led to an improved project solution.

The BFW team is committed to creating a strong and successful working relationship with Cities, Counties, and MoDOT Districts. Our team members are eager to begin work for you. Thank you for reviewing our qualifications.

Bacon Farmer Workman Engineering & Testing, Inc.

Mark Workman
Chief Executive Officer



LPA On-Call

Engineering Services





Bacon Farmer Workman Engineering & Testing (BFW) is a multi-disciplinary engineering firm with office locations throughout MoDOT's geographic footprint. We provide a comprehensive suite of engineering services, addressing every project need with precision and expertise. At BFW, we are committed to delivering exceptional solutions. By leveraging the expertise of our highly skilled and knowledgeable team, we uphold a standard of excellence and a dedication to outstanding service on every project. Our client-centered approach is rooted in utilizing the latest technologies, building strong relationships with clients and communities, and ensuring full accessibility for both customers and end users.

Capabilities

- Asset & Infrastructure Management
Aviation
Civil Engineering & Site Development
Cultural Resources
Electrical Engineering
Environmental
Geospatial Technologies
Geophysical

- Geotechnical Engineering
Grant Coordination
Industrial
Landscape Architecture & Urban Planning
Maritime
Mechanical Engineering
Parks & Recreation
Renewable Energy
Strategic Energy

- Structural Engineering
Surveying
Technology
Testing & Inspections
Transportation Engineering
Stormwater & Wastewater Resources

Professionals

- Archaeologist
Aviation Engineers
Aviation Planner
Civil/Site Engineers
Ecologists
Electrical Engineers
Environmental Managers
Geologists
Geophysicists
Geotechnical Engineers

- Grants Administrator Specialist
Historic Preservation
Land Surveyors
Landscape Architect/Arborist
LEED Accredited
Legal Counsel/ Attorney at Law
Mechanical Engineers
OSHA Authorized Construction Trainer

- Park Specialist
Professional Wetland Scientist (PWS)
Project Management Professionals (PMP)
Professional Transportation Operations Engineer (PTOE)
Safety Professional (CSP)
Structural Engineers
Transportation Engineers
Water Distribution Operator

Support Professionals

- Accounting Staff
Administrative Staff
Construction Administrators

- Construction Inspectors
Geotechnical Drilling Staff
Mobile LiDAR Operators
Survey Field Staff

- Technical Writers
Technical Staff



Certificate of Commendation for Excellent Safety Record 2023 & 2024, National Award

MO Chapter Safety Award 2023 & 2024

W-KY Chapter Safety Award 2023



Locations

- Paducah, KY
BFW / 270-443-1995
Marcum / 270-444-9274
Lexington, KY
859-537-0112
Murray, KY
270-753-7307
Paragould, AR
573-625-1776
Belleville, IL
618-771-5774
Champaign, IL
217-530-4283
Marion, IL
618-997-9190

- Springfield, IL
217-679-6254
Evansville, IN
812-470-0273
Cape Girardeau, MO
573-222-5632
Jefferson City, MO
573-680-6160
St. Louis, MO
636-779-9420
Brentwood, TN
615-693-2744
Knoxville, TN
865-806-1539

Transportation Engineering

Bacon Farmer Workman Engineering & Testing, Inc. (BFW) has built a solid reputation as a “go-to” firm in the transportation engineering field. BFW emphasizes attention to details, project milestones, and budgets, as reflected by our current ratings from our transportation clients.

Our broad background and expertise enable us to provide all required design services encompassing rural, urban, and limited access highway facilities. Our Transportation Division utilizes the latest state-of-the-art advancements in design and equipment technology to accomplish project requirements and client satisfaction.

Our Transportation Capabilities

Roadway Engineering

- Interstate, rural, and urban roadway design
- Phase I, II, III engineering
- Sidewalks, ADA upgrades, and multi-use trail design
- Corridor studies & safety improvements
- Complete Streets / multimodal design
- Drainage & stormwater analysis

Bridge & Structural Engineering

- New bridge design & replacement
- Rehabilitation, widening, & preservation
- Culverts, walls, foundations, hydraulic structures
- Load ratings & NBIS inspections
- Design-build alternative delivery

Traffic & Safety

- Traffic operations & modeling
- Signal design & ITS
- MOT/maintenance of traffic plans
- Speed, crash, and safety studies
- Access management & intersection improvements

Service Details

As a full-service firm, BFW can handle every phase of highway projects from route / corridor studies including environmental coordination / approvals through the final design and on to the contract bid letting and award process. We can also provide contract administration, inspection, and testing for any size or complexity of project.

Environmental & Geotechnical

- NEPA documentation
- ESA, cultural resources, ecological reviews
- 401/404 permitting & floodplain compliance
- Geotechnical drilling & lab testing
- Pavement/embankment/foundation recommendations

Survey, Lidar & Mapping

- Boundary & topo surveying
- UAV/drone mapping
- Mobile & Terrestrial LIDAR
- SUE coordination
- ROW plan development

Construction Inspection & Support

- CEI & materials testing
- QA/QC oversight
- Utility coordination
- As-built documentation
- Contractor support & field reviews

Specialized Transportation Facilities

- Port & riverport access roads and circulation
- Bulk yard, conveyor, and loading infrastructure support
- Runway, taxiway, and apron design
- Airfield grading, drainage & lighting systems
- Airport access roads and parking improvements
- Pavement evaluation and airfield improvements
- Site development for industrial and logistics users





Cape Special Road District County Road Bridge over Juden Creek



Rte 61 Cape Girardeau Kingshighway

Jackson East Main Street Pedestrian Facilities

Jackson, MO

City of Jackson & MoDOT TAP

- Surveying
- Roadway Design incl. ADA compliance
- Environmental, NEPA
- Construction Admin. and Inspection

Sikeston North West Street Pedestrian Facilities

Sikeston, MO

City of Sikeston & MoDOT

- Surveying
- Roadway Design incl. ADA compliance
- Utility Coordination
- Environmental, NEPA
- Construction Admin. and Inspection

Route 61 Signals & Geometric Improvements

Sikeston, MO

City of Sikeston & MoDOT

Cost Share

- Roadway Design
- Traffic Safety & Operations
- Surveying
- Utility Coordination
- Construction Materials Testing & Inspection

ACEC
2026

Cape Special Road District County Road Bridge over Juden Creek

Cape Girardeau, MO

- Bridge Design
- Roadway Design
- Geotechnical
- Utility Coordination
- Environmental, Hydrology/Floodplain
- Construction Admin. and Inspection

US 412 Corridor Study

Kennett, MO / Arkansas State Line

Dunklin County Commission and MoDOT Cost Share

- Environmental, NEPA
- Environmental, Threatened & Endangered
- Traffic Safety & Operations
- Surveying
- Roadway Design (Planning/ Alternatives)

ACEC
2026

Rte 61 Kingshighway Cape Rock Drive Intersection Improvements

Cape Girardeau County, MO

City of Cape Girardeau & MoDOT Cost Share

- Roadway Design
- Traffic Safety & Operations
- ADA/Pedestrian Facilities
- Environmental, NEPA
- Utility Coordination

Dexter Safe Streets for All (SS4A) Intersection Study

Dexter, MO

City of Dexter & MoDOT

- Traffic Safety and Operations
- Surveying
- Roadway Design (Alternatives)
- Public Involvement

Route 51 Traffic Study

Perryville, MO

City of Perryville & MoDOT Cost Share

- Traffic Safety & Operations
- Roadway Design (Alternatives)
- Surveying / Data Collection
- Environmental – NEPA considerations

US 67 Upgrades / Future I-57 Corridor Projects

Butler County, MO

City of Poplar Bluff & MoDOT Cost Share

- Roadway Design
- Geotechnical
- Bridge Design

