



**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

Contact Email
Address:

bhorst@bfwengineers.com

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**

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





Bridge Replacement over Scism Creek

2026-2029 LPA On-Call
Construction Inspection

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



Bacon Farmer Workman Engineering & Testing, Inc. (BFW) is pleased to submit our statement of interest and qualifications for providing construction materials testing and inspection services for a three-year master agreement for on-call services for LPA. The BFW team proposed for

this work is composed of project inspectors with extensive experience on a variety of bridge and roadway projects in both urban and rural settings for Local Public Agencies. 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 agencies.

Workforce Diversity

BFW is committed to continually building a diverse workforce. 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 diversity and the innovative ideas and creativity it brings to project delivery. Our affirmative action plan reflects our commitment to consistently recruiting, interviewing, and employing minority and female engineers and staff.

General Experience of Firm

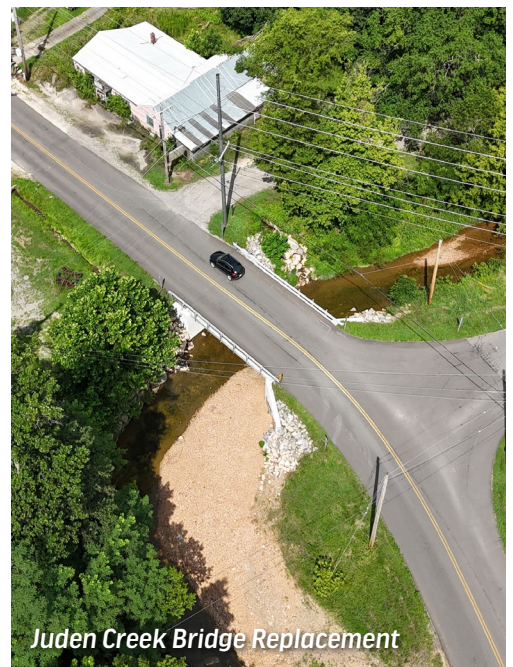
BFW inspectors have a comprehensive range of experience in providing contract administration, project inspection and documentation, material inspection, and material testing for roadway, bridge, and sidewalk projects for LPAs. Our team has successfully performed these duties on numerous LPA projects that include construction of bridges, ADA facilities, grading, and concrete and asphalt pavement. BFW prides itself in building and maintaining a strong collaborative relationship with LPA project personnel. Our knowledge of MoDOT's Engineering Policy Guide (EPG) Section 136 Local Public Agency helps ensure that the services we provide on projects are consistent and that requirements of the policy are met.

Our inspectors review contract documents prior to beginning inspection services to become familiar with the project and look for any potential issues. Staff will be on site daily, or as required, to perform inspection/testing of contractor's work to ensure that the project is built correctly and in accordance with contract plans and specifications. Inspectors discuss daily with contractors their planned activities for the day and any required QC and QA inspection and testing. Contractor's quality control is reviewed throughout the project to assure the inspection, testing, and documentation are being completed as required and pre-activity meetings are scheduled as needed. Traffic control is reviewed daily, and traffic flow monitored closely to be proactive in addressing any issues.

All project documentation will be maintained throughout the life of the project. This includes, but is not limited to the following: completing daily work reports, documenting inspection records, assuring contractor has submitted required material certifications/documentation, change orders, processing estimates, etc. Required documentation, such as estimates, contract adjustments, change

orders, materials testing, and correspondence with contractors will be saved in a format acceptable to LPA's process and in accordance with MoDOT's EPG Section 136. Inspectors will work with contractors to ensure material inspection/testing is reported properly and done at appropriate intervals. BFW inspectors are familiar with the final plans process and the required documentation necessary to ensure that LPAs are able to receive federal funding for their projects.

BFW has a retired MoDOT Resident Engineer on staff and can be available in a supporting role for inspectors or the LPA as needed. This includes providing guidance with all aspects of construction inspection/testing, review of estimates, guidance on change order preparation, and preparation of final plans. Our goal for this guidance is that BFW will provide inspection and testing services that does not put a burden on LPA's staff while keeping LPAs involved in the project.



Juden Creek Bridge Replacement



Route 61 Signals & Geometric Improvements



Sikeston North West Street Sidewalks



Jackson East Main Street Construction

Past Performance

Route 61 Signals & Geometric Improvements City of Sikeston, MO

BFW provided construction inspection, material testing, and contract administration for oversight of the Governor's Cost Share funded signalization and geometric expansion of the Route 61 intersection providing an improved entrance to the Carlisle Construction Materials development immediately South of US60/Future I-57 in Sikeston, Missouri. This project required careful consideration of MoDOT Local Project Administration guidelines, MoDOT SE District Traffic permitting requirements, multi-jurisdictional utility relocation, as well as reimbursement requirements specific to the Governor's Cost Share Program guidelines. Construction inspection services included inspecting projects for compliance with contract documents, testing materials, checking contractor's quality control process, monitoring traffic control, and maintaining contract documentation.

North West Street Sidewalk Construction City of Sikeston, MO

BFW provided surveying, construction inspection, material testing, contract documentation, and contract administration for this transportation alternative program grant funded pedestrian walkway from Wakefield Avenue to Maud Street. Construction improvements included ADA compliant sidewalks and curb ramps, grading, retaining walls, paved approach entrances, drainage modifications, and railroad crossing panels. Additional project features included contract provisions that clarified the City's preference for adjusting sidewalk facilities to reduce impacts to adjacent properties, specifically with the goal of preserving trees, as a great number of streetscape trees in the community were lost in the 2024 tornado.

East Main Street Sidewalk Construction City of Jackson, MO

BFW provided surveying, construction inspection, material testing, contract documentation, and contract administration for this transportation alternatives program grant funded pedestrian walkway from Bellevue Street to Shawnee Street. Construction improvements include ADA compliant sidewalks and curb ramps, grading, retaining walls, pedestrian handrails, paved approach entrances, and drainage modifications. This improvement closes the gap in available pedestrian facilities between Jackson's Historic Uptown area and the rapidly developing East Elementary School area near Interstate 55.

County Road 657 Scism Creek Bridge Replacement Cape County Special Road District, MO

BFW provided construction inspection, material testing, inspection of pile driving operations, project documentation, contract administration, and project surveying for oversight of the county's bridge replacement. This project involved the replacement of a bridge at the intersection of County Road 657 and 640. Construction improvements included grading, bridge excavation, pile driving, substructure and superstructure construction, roadway improvements, and maintaining traffic on the adjacent county road within the project limits.

County Road 643 Juden Creek Bridge Replacement Cape County Special Road District, MO

BFW provided construction inspection, material testing, inspection of pile driving operations, project documentation, contract administration, and project surveying for oversight of the county's bridge replacement. This project involved the replacement of a bridge at the intersection of County Road 643 and 645 with numerous utility constraints. Construction improvements included grading, bridge excavation, pile driving, substructure and superstructure construction, roadway improvements, and maintaining traffic on the adjacent county road within the project limits.





Brian Frazier Inspector

Brian brings over 34 years of experience in construction inspection and materials testing to his role at BFW, joining the firm in 2022 after a long career with MoDOT. During his time with MoDOT, he worked in the Construction and

Materials Division in the Southeast District. At BFW, Brian has contributed to projects involving bridge inspection, asphalt and concrete inspection, erosion control, materials testing, AWP documentation, and contract administration. His relevant training includes MoDOT's Technician Program in Aggregate Technician, Soil Density, Concrete Field and Strength, and Superpave; Advanced Work Zone; MoDOT's Land Disturbance; and OSHA-10.



Mark Pfeffer Inspector

Mark has over 30 years of experience in design engineering and construction inspection. He joined BFW in 2023 after a career with MoDOT, where he served primarily as a designer and gained experience in utility permit inspection. At BFW, Mark

has worked on projects involving bridge inspection, asphalt and concrete inspection, erosion control, materials testing, AWP documentation, and contract administration. His relevant training includes MoDOT's Technician Program in Soil Density, Concrete Field and Strength; Advanced Work Zone; MoDOT's Land Disturbance; and OSHA-10.



Darius Dowdy Inspector

With 28 years of experience in construction engineering, Darius joined BFW in 2024 after a career with MoDOT, where he served as a Resident Engineer for 18 years in the Southeast District. His expertise includes construction inspection,

contract administration, inspection team coordination, work zone management, erosion control inspections, and contractor

dispute resolution. At BFW, Darius has contributed to projects involving bridge inspection, asphalt and concrete inspection, erosion control, materials testing, AWP documentation, and contract administration. His relevant training includes MoDOT's Technician Program in Soil Density, Concrete Field and Strength; Advanced Work Zone; MoDOT's Land Disturbance; and OSHA-10.



Nicholas Cantoni Inspector

Nicholas has over seven years of experience in materials testing and inspection, previously working with Koehler Engineering before joining BFW in early 2024. At Koehler, he performed materials testing and project inspection. At BFW, he has contributed to projects involving asphalt and concrete inspection,

erosion control, materials testing, AWP documentation, and contract administration. His relevant training includes MoDOT's Technician Program in Aggregate Technician, Soil Density, Concrete Field and Strength, and Superpave; Advanced Work Zone; MoDOT's Land Disturbance; and OSHA-10.



Brian Holt, PE Resident Engineer

Brian has over 33 years of experience in the construction engineering field. He joined BFW after a 29-year career with MoDOT, serving as a Resident Engineer for 21 years in the Southeast District. Brian has extensive experience in contract

administration, including overseeing all aspects of construction activities, coordinating inspection staff across multiple projects, working with FHWA, managing work zones (MoDOT Advanced Work Zone certified), conducting erosion control inspections (MoDOT Land Disturbance trained), resolving stakeholder concerns, managing construction issues, facilitating contractor dispute resolution, and performing Resident Engineer duties within AASHTOWare.

Familiarity & Capability

The BFW team has extensive experience working on LPA projects and is a recognized leader in project inspection, material testing, and contract administration. Our inspection and administration resources allow us to manage all aspects of complex projects, resolving any problems that might arise. This expertise, coupled with our familiarity with the LPA processes and lines of communication, contributes to the construction of a quality project with reduced oversight required by the LPAs.

Accessibility

Our team's proximity to the project site ensures that we can quickly adapt to changes in the contractor's schedule and address issues

should they arise. With staff members readily available, we can maintain constant communication with the LPA representative and other stakeholders, ensuring seamless collaboration and swift resolutions of any concerns. This accessibility allows us to remain flexible and responsive, keeping the project on track and achieving client satisfaction.

Bacon Farmer Workman Engineering & Testing, Inc.

Mark Workman
Chief Executive Officer

