



**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:

Farnsworth Group, Inc.

Firm Contact Name:

Darren Mitchell, PWS

Contact Email
Address:

dmitchell@f-w.com

Firm's Mailing Address:

20 Allen Ave, Suite 200, Webster Groves, MO 63119

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**

Letter of Interest - MoDOT LPA On-Call Environmental - NEPA Services 2026-2029

1 / General Experience of the Firm

Farnsworth Group, Inc. traces its origins back to the 1890's, when its predecessor firms provided land surveying and drainage services in Central Illinois. Today, with offices nationwide, including two offices in Missouri (Webster Groves and St. Charles), we are a multi-discipline leader in all facets of engineering, survey, and technical consulting. As an Architectural Record Top 300 Design Firm and an Engineering News Record Top 500 Design Firm, we can offer over 600 engineers, architects, surveyors, technicians, and support personnel providing our clients with full service design capabilities. *Farnsworth Group is listed on MoDOT's Approved Consultant Prequalification List.*



Our Metro St. Louis offices, with a combined staff of 110, have served both public and private sector clients for over 60 years by providing a full range of transportation, land surveying, architectural, civil, mechanical, electrical, plumbing, structural, and oil & gas services. Darren Mitchell, PWS, will serve as the Project Manager for MoDOT LPA Environmental - NEPA projects. Darren has 21 years of experience as an environmental consultant and project manager for federal, state, and private clients, including transportation clients

Farnsworth Group's environmental professionals will partner with MoDOT LPAs to ensure projects are NEPA compliant once a proposed action with a purpose and need is understood. We will lead a multi-disciplinary team to produce a well-written document that provides a clear effects analysis of the impact categories required by the proposed action. Our existing relationships with local, state, and federal regulators in Missouri will enable our team to complete the NEPA-associated tasks (e.g., cultural resources and protection species consultations) efficiently, to have a signed decision document in a timely manner with the excellent quality Farnsworth Group is accustomed to providing.

Our environmental professionals work closely with engineers and enlist the talents of staff from other departments – civil, transportation, mechanical, electrical, structural, and survey – to ensure that every aspect of a project is competently addressed for environmental issues and regulatory compliance. It's this ability to tap in to resources across the company that allows us to confidently and authoritatively take on any project that comes our way.

Water Resources/Wetlands: Farnsworth Group has trained scientists and engineers in Waters of the US delineations, erosion and sediment control, and hydrology modeling. Our team can mobilize to any region of the state to provide water resource services required for larger or smaller projects within days of a notice proceed. Our engineers have experience protecting highway infrastructure from flooding and erosion by creating multi-functional designs that also provide societal and ecological benefits. We are committed to the future of water resources through multifaceted sustainable design, surface water analysis, and traditional stormwater design.

ENVIRONMENTAL AND WATER RESOURCES/WETLANDS SERVICES:

- NEPA Compliance (CATEXs, EAs)
- Waters of the US Delineations
- Regulatory consultations
- Public involvement and coordination
- Sustainable design
- Noise monitoring and modeling
- Stormwater Pollution Preventions Plans and associated inspections
- Spill and pollution prevention plans
- Protected species coordination
- Protected species surveys and habitat assessments
- Biological Assessments
- Stream bank stabilization
- Stream restoration
- Wetland mitigation design and monitoring
- HECRAS and other hydrology modeling
- Floodplain permitting and LOMR

2 / Past Performance

Harrison Street Improvements, Danville Illinois

Performed a full Environmental Assessment to meet 24 CFS Part 58 requirements for a project utilizing HUD CDBG funds for the demolition of a dilapidated former hotel building, construction of a parking lot, and construction of approximately 3,300 LF of street, sidewalk, and drainage improvements in downtown Danville to facilitate pedestrian and vehicular access, safety, and community development.

Euclid Avenue Improvements, Princeton, Illinois

In addition to providing traffic engineering and Phase I planning and Phase II design services for the 0.6 mile extension of Euclid Avenue, our staff also provided compliance with required environmental review process through the completion of an Environmental Survey Request and Preliminary Environmental Site Assessment. The project included screenings and reports for Section 6(f) (LAWCON), wetland compliance, historic preservation/cultural compliance, special waste screening, airport and railroad coordination, NPDES, Section 404 (USACE), COSIM, noise analysis, and public meeting/public coordination requirements. In addition, Historical Coordination included Section 4(f) documentation resulting in a De Minimis Impact Determination.



Orange Prairie Road, Peoria, Illinois

In addition to providing traffic engineering and Phase I planning and Phase II design services for the 2.5 mile extension of Orange Prairie Road between US 150 (War Memorial Drive) and IL 91, our staff also provided compliance with required environmental review process through the completion of an Environmental Assessment Report. The project corridor included screenings and reports for Section 6(f) (LAWCON), (OSLAD), wetland compliance, historic preservation/ cultural compliance, special waste screening, airport and railroad coordination, NPDES, Section 404 (USACE), noise analysis, and public meeting/public coordination requirements.

Various Boneyard Creek Projects, Champaign, Illinois

Scott Park: Scott Park is the only municipal park in the University of Illinois campus area. The stormwater flow from the highly urbanized watershed eroded the Boneyard Creek banks through Scott Park causing flooding of the park facilities during major rainfall events. A deep culvert was constructed in conjunction with channel improvements to provide a 100-year staged gravity outlet for a 42 acre-foot stormwater detention basin upstream of the park.

Second Street Detention Basin: This phase of the Boneyard Creek stormwater improvements provided a recreational amenity connecting the University of Illinois campus, a public park, and residential and commercial districts with the enlivened downtown retail and dining area. The scope of work included updating the hydraulic/hydrologic model using SWMM 5, as well as preparation of schematic design plans, final construction documents, permitting, and construction observation.

First Street to Wright Street: Champaign's Campustown area had been plagued with flooding for over 100 years. This major rehabilitation of the Boneyard Creek along the University of Illinois Green Street corridor involved 2,000 feet of open channel conversion to an underground stormwater conveyance/storage system covered with an open space landscaped corridor with a multi-purpose path.

North Branch: Farnsworth Group studied and prepared conceptual plans for the future development of the Boneyard Creek North Branch Improvements and Oak Ash Detention Basin expansion.

3 / Qualifications of Personnel

Darren Mitchell, PWS - ENVIRONMENTAL MANAGER

Mr. Darren Mitchell has 21 years of experience as an environmental consultant and project manager for federal, state, and private clients, including transportation clients. His experience includes permitting and compliance; stormwater, sediment, and erosion control management; National Environmental Policy Act compliance; jurisdictional waters investigations; 404/401 Clean Water Act permitting; Endangered Species Act compliance; and environmental site assessments.

- Habitat Assessment, New Melle Lakes Park, St. Charles County, MO
- Environmental Assessment, South Knoxville Boulevard, TDOT, Knoxville, TN
- Environmental Assessment, Route 475 Knoxville Parkway, TDOT, Knoxville, TN

Brandon Lott, PE, CFM, LEED AP - SENIOR ENVIRONMENTAL/WATER RESOURCES ENGINEERING MANAGER

Mr. Lott has nearly 29 years of experience at Farnsworth Group, with a comprehensive background in water resources engineering, project management, stormwater modeling, green infrastructure, compliance, and infrastructure development.

- Environmental Assessment, Harrison Street Improvements, Danville, IL
- Environmental Assessment, Euclid Avenue Improvements, Princeton, IL
- Environmental Assessment, Orange Prairie Road, Peoria, IL

Emily Jenkins, PE, CFM, PhD, GIP - PROJECT ENVIRONMENTAL/WATER RESOURCES ENGINEER

Ms. Jenkins is a water resources engineer with more than 19 years of experience. She specializes in sustainable and ecological design, such as stream restoration, bank stabilization, and green infrastructure projects; stormwater infrastructure design to mitigate flooding through naturalized basins; and surface water modeling and mapping.

- Various Boneyard Creek Projects, Champaign, IL

Riley Babin, CESSWI, CPESC - ENVIRONMENTAL SCIENTIST

Mrs. Riley Babin has 6 years experience working as an environmental scientist. This has included working with federal, state, and private clients in variety of industries, including energy and utilities. Her experience includes permitting and compliance; stormwater, sediment, and erosion control management; jurisdictional waters investigations; 404/401 Clean Water Act permitting; Endangered Species Act compliance; and environmental site assessments.

4 / Familiarity and Capability

Farnsworth Group understands that the project funding type can greatly impact a project's planning, design scope, and construction implementation schedule. Our team's extensive experience with all funding types, including Federal, State, MFT, BUILD, TIGER, EDA, DCEO, TARP, HSIP, and general funding, allows us to quickly recognize the advantages and disadvantages for each funding type in the planning process and identify critical path items to produce high quality plan documents as efficiently as possible. Below we have listed a selection of recent projects that involved federal funding. We have a proven track record of completing projects within or under budget.

PROJECT NAME / LOCATION	PROJECT TYPE	FUNDING SOURCE
County Road 19 B / Shannon County, MO	Relocation	Federal/State
County Road 19 - 250 / Shannon County, MO	Reconstruction	Federal/State
Murdoch Avenue Bridge & Road / Webster Groves, MO	Reconstruction/Signals	Federal/Local
South Main Street / St. Charles, MO	Reconstruction (Historic)	Federal/Local
Hanley Road / St. Charles, MO	Widening/Reconstruction	Federal/Local
South Elm Avenue at I-44 / St. Charles, MO	Rehabilitation/Enhancement	Federal/Local

5 / Accessibility

Farnsworth Group has built many long-standing relationships with our clients by providing quality design with a strong emphasis of getting things completed on-time and on-budget. We believe the best demonstration of our past performance is through the testimonies of our clients. Below is a quote regarding our environmental team on a recent project.

"I have found Farnsworth Group to be reliable and responsive. Their work is creative and provides long-term sustainable, ecologically based solutions." - Eleanor Williams Blackmon, PE, Retired City Engineer, City of Champaign

6 / Diversity

Farnsworth Group believes in the importance and value of a diverse workforce, for the benefit of both the projects we undertake and the communities where those projects are located. Through the leadership of our President and CEO, Mrs. Karen Jensen, PE, over 30% of our current total workforce is either minority or female. Farnsworth Group shares the commitment of MoDOT in supporting diversity in our workforce and teaming with M/W/DBE partners on our projects.

FIRM OVERVIEW

Farnsworth Group, Inc. traces its origins back to the 1890's, when its predecessor firms provided land surveying and drainage services in Central Illinois. Today, with offices nationwide and including two offices in Missouri (Webster Groves and St. Charles) we are a multi-discipline leader in all facets of engineering, survey, and technical consulting. As an Architectural Record Top 300 Design Firm and an Engineering News Record Top 500 Design Firm, we can offer over 600 engineers, architects, surveyors, technicians, and support personnel providing our clients with full service design capabilities. Registrations are held throughout the continental United States.

ST. LOUIS AREA TEAM

Farnsworth Group works with communities throughout the St. Louis Metropolitan area, county engineers, and Missouri/Illinois Departments of Transportation on a multitude of transportation and building projects. Our expertise includes conceptual planning, feasibility studies, preliminary designs, ROW plans, final PS&E designs and construction inspection. We also offer Professional Traffic Operations Engineer (PTOE) services such as traffic studies, traffic signals, intersection analysis and geometrics, ADA accessible route planning, crossing signals, and traffic control plans.

PROFESSIONAL SERVICE CAPABILITIES INCLUDE, BUT ARE NOT LIMITED TO:

- Civil/Structural
- Bridge Design
- Transportation Engineering
- Utility Coordination
- Land Development
- Land Surveying
- GIS/Mapping
- Stormwater Management
- Hydrology/Hydraulics
- Architecture
- Landscape Architecture
- Municipal Engineering
- Interior Design
- Mechanical Engineering
- Electrical Engineering
- Plumbing Engineering
- Commissioning
- LEED Consulting
- Energy and Utilities Engineering
- Water System Engineering
- Wastewater System Engineering
- Railroad Services
- Historic Preservation
- Referendum Services
- Grant Assistance
- Administrative Services



Ranked #216 in the Top 500
Design Firms by
Engineering News Record

600+
Staff Nationwide
110
Metro St. Louis Staff

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Echo Bluff State Park - Full Service A/E / Shannon County, MO

MODOT LPA CATEGORIES: ROADWAY DESIGN, TRAILS & SIDEWALKS, STRUCTURES, ENVIRONMENTAL

Farnsworth Group was selected as the prime A/E firm to transform the former site of a hippie music fest into one of the nation's newest state parks. Located in Southern Missouri in the heart of the Missouri Ozarks, Echo Bluff State Park opened to the public after a very aggressive design and construction schedule. The park centers around the beautiful Echo Bluff and the meandering Sinking Creek, located at the bluff bottom. The site includes a contemporary rustic lodge, cabins, amphitheater, bluff-top event pavilion, 60 full-service RV camp sites, maintenance building, restrooms, and walk-in primitive camp sites. The design features a signature 456-foot-long vehicular and pedestrian bridge, 13,350 linear feet of the new paved roadway, multi-purpose paved walkways, hiking/biking trails, zero-discharge wastewater facilities and landscaping. Farnsworth Group worked closely with Missouri State Parks and the Governor's Office on this signature project.



Edgar Road Left Turn Lane / Webster Groves, MO

MODOT LPA CATEGORIES: ROADWAY DESIGN, TRAFFIC ENGINEERING & TEAP

Farnsworth Group was selected to design the new Edgar Road left turn lane on Webster University's campus. The purpose of the project was twofold. First, to accommodate the increasing number of left turners utilizing the new parking garage on Garden Ave. Second, to decrease congestion and improve both vehicular and pedestrian safety.



Orange Prairie Road / Peoria, IL

MODOT CATEGORIES: CONSTRUCTION INSPECTION, STRUCTURES, ROADWAY DESIGN, TRAFFIC ENGINEERING AND TEAP

Phase I planning, Phase II design, and Phase III construction services for the 2.5 mile extension of Orange Prairie Road between US 150 (War Memorial Drive) and the intersection of IL 91 and Grange Hall Road (CH D-32), including the completion of an Environmental Assessment Report. This project was completed on an extreme fast track schedule.

Murdoch Avenue Bridge Reconstruction / Webster Groves, MO

MODOT CATEGORIES: STRUCTURES, ROADWAY DESIGN

Constructed in 1930, the existing concrete bridge over the BNSF Railway tracks had deteriorated to become structurally insufficient as well as deficient in vertical clearance over the tracks. As a vital connector between the City and Interstate Highway 44, the City took action to secure federal matching funds through the BRM program administered by MoDOT. Farnsworth Group was chosen through a QBS process to provide engineering services for the new replacement bridge.



Egyptian Trail Reconstruction & Utilities Coordination / Monee, IL

MODOT CATEGORIES: CONSTRUCTION INSPECTION, ROADWAY DESIGN, TRAFFIC ENGINEERING & TEAP

Farnsworth Group provided detailed design and construction inspection for the Egyptian Trail reconstruction in Monee, IL. The project consisted of a complete reconstruction of an approximate 0.7-mile-long stretch of Egyptian Trail, including ROW acquisition, pavement and storm sewer removal, new storm sewer, curb and gutter, sidewalk, full depth HMA pavement, construction of a new roundabout, street lighting, and pavement markings. The project was federally funded with the Village sharing in the cost. (80% federal funds / 20% local). In addition to design services, Farnsworth Group provided utility coordination services including identification of potential conflicts, review of relocation plans, and permitting recommendations to the Village.

The utilities involved included natural gas, power, water, and three (3) telecommunications providers. During the construction observation phase of the project, Farnsworth Group coordinated the relocation of utilities in conflict. This included on-site inspections and coordination meetings with the Village and required utility representatives.



Historic Murray Baker Bridge Lighting / Peoria, IL

MODOT LPA CATEGORIES: HISTORIC PRESERVATION

When the Illinois Department of Transportation announced plans to replace the deck of the Murray Baker Bridge, the City of Peoria saw an opportunity to light the exterior structure and span of this iconic bridge that crosses the Illinois River. Farnsworth Group conducted public presentations and public meetings to gain stakeholder and community input on various decorative lighting options and opportunities. Following concept development, Farnsworth Group's electrical engineers designed plans including luminare and mounting details, wiring diagrams and controller cabinets for the exterior lighting system. The bridge structure is now illuminated in bright white while the deck lighting can display a variety of color options. The Murray Baker can now be seen through numerous points of Peoria and East Peoria, contributes to civic pride, and shines brightly as one of the iconic structures in Central Illinois.



2021 Missouri Historic Preservation Award Winner

Thunderbird Lodge Historic Preservation / DeSoto, MO

MODOT CATEGORIES: HISTORIC PRESERVATION

Farnsworth Group led the renovation of the historic Thunderbird Lodge at Washington State Park. This structure was constructed 1930s and is on the National Register of Historic Places. The preservation of the building includes a new wood shake roof, historic replica windows, historic replica doors, new flooring, wall coverings, and ADA upgrades. Additionally, site grading and drainage were taken into consideration to help limit future flooding of the facility.



Camelback Historic Bridge / Normal, IL

MODOT CATEGORIES: HISTORIC PRESERVATION, STRUCTURES

Camelback Bridge is a historic wooden bridge that arches over the Constitution Trail in Normal, IL. Farnsworth Group has been providing historic preservation services for this bridge since 2000. We have designed conceptual plans for landscaping improvements, seating in a new shelter, bike storage facilities, and restoration of damaged areas. Most recently, we are providing bridge inspection engineering services, plans, specifications, and estimates for structural repairs of the bridge using local funds.