

## 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

## CONTACT

Ryan Uebinger, PE  
Principal  
314.962.7900  
ruebinger@f-w.com

[www.f-w.com](http://www.f-w.com)



## 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.