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: Ryan Uebinger, PE

Contact Email Address: ruebinger@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

Farnsworth GROUP

20 Allen Ave., Suite 200
St. Louis, Missouri 63119
p / 314.962.7900 www.f-w.com

Main Contact:
Ryan Uebinger, Principal
314.962.7900 / ruebinger@f-w.com

Letter of Interest - MoDOT LPA On-Call Roadway Design 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. Ryan Uebinger, PE, will serve as the Project Manager for MoDOT LPA roadway design projects. Ryan has more than 26 years of experience in transportation planning, design, and construction and is responsible for managing engineering staff involved in the design, development of plans and specifications, construction observation, traffic studies, and MFT programs for various municipalities, and similar agencies.

Farnsworth Group engineers design highways, city streets, secondary roads, and internal roadway networks for local public agencies DOT's, Tollway Authorites and private developers. Our expertise includes conceptual planning, feasibility studies, Phase I studies, Phase II design, and Phase III construction engineering, as well as offering Professional Traffic Operations Engineer (PTOE), LEED, and Context Sensitive Solutions professionals. We provide these services for federal, state, county, and local governments in both urban and rural environments. Our experience working with contractors and government agencies allows us to get our projects completed on schedule, within budget, and to the desired specifications.

ROADWAY DESIGN SERVICES:

- Feasibility studies
- Location and design studies
- Traffic analysis and projections
- Capacity studies, accident analysis & geometric design
- Pavement Maintenance and preservation design plans
- Pavement Widening, resurfacing and reconstruction design plans
- Transportation planning
- Traffic signal analysis and design
- Drainage studies and design
- Professional Traffic Operations Engineer (PTOE) Services
- Transportation facilities design
- Right of way and easement survey
- Topographic route survey
- Pedestrian/bicycle multiuse paths, sidewalks and trails
- Parking and parking lot, planning, and design
- Context Sensitive Solutions
- Utility design
- Subsurface Utility Engineering
- Roadway & Street Lighting design
- 3D modeling
- Environmental clearances

2 / Past Performance

Edgar Road Left Turn Lane, Webster Groves, Missouri

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 at the intersection. The design of the widening had to accommodate and avoid several major underground utilities and a stone wall to remain in place, as well as provide a new ADA path from the intersection to adjacent buildings.

Raab Avenue Reconstruction, Belleville, Illinois

The portion of Raab Avenue designated for reconstruction lies within a residential area and proximate to the Henry Raab Elementary School. Farnsworth Group performed civil, transportation, and surveying services for new curbs, sidewalks, HMA asphalt milling, and roadway resurfacing. Additionally, our engineers delivered PROWAG/ADA design and construction engineering to ensure pedestrian safety enhancements. The stormwater inlets at the intersections were located at the radius returns, limiting options for retrofit of the curb ramps, as the project budget did not include funds for stormwater modifications. At two of the intersections, the stormwater inlets were rather large, causing the sidewalks to be shifted away from current locations to avoid the conflict. The sidewalks at most intersections had to be lowered significantly to conform to PROWAG standards. The residential yards have steep slopes behind the back of sidewalk. Subsequently, toe walls up to 1'-3" in height were designed to act as a retaining wall.

County Road 19B-250 Reconstruction, Shannon County, Missouri

Engineering design services for a 0.65-mile reconstruction of County Road 19B-250 to provide secondary access to Echo Bluff State Park. The new concrete road was designed to replace an existing two-lane road while improving the vertical curves and avoiding any tree removal along the route.

North Rock Hill Road Improvements, Webster Groves, Missouri

Reconstruction of approximately 2,000 lineal feet of roadway from W. Kirkham Ave to the north City limits at Bismarck Ave. The existing street consisted of two 15-feet-wide driving lanes with a rolled curb and narrow asphalt shoulders on both sides. This project improved the road to an 11-foot-wide drive lane with an 8-foot-wide parking lane on both sides. Intersections with existing side roads were designed to work with the new road profiles, while sidewalks and handicapped ramps were constructed to meet current ADA requirements.

South Main Street Reconstruction, St. Charles, Missouri

Farnsworth Group served as the City of St. Charles' professional representative in the planning and design of this South Main Street project. This project involved the reconstruction of historic South Main Street from Boone's Lick south to the Reservoir. Roadway improvements included the removal of approximately 1,100 lineal feet of existing brick pavement, concrete curbs, and sidewalks, and replaced them with a new brick roadway on a concrete and aggregate base, new concrete curbs, storm sewers, and brick sidewalks. Amenities included gas street lights, street trees, decorative signs, and benches. Special emphasis was placed on ADA compliant accessible routes throughout the entire project.

Various/Various Phase I/II, IDOT, Various Locations

Farnsworth Group currently holds (and has previously held) several district-wide contracts to perform various preliminary and final design engineering services at various locations. The projects include roadway patching and resurfacing, bridge repair, bridge rehabilitation, bridge replacement, roadway widening and resurfacing, roadway reconstruction, and design of new roadway alignments. Preliminary engineering services for these Various/Various projects have included preparing Bridge Condition and Hydraulic Reports; conducting route surveys; Project Reports; traffic management analyses; drainage studies; Type, Size, and Location (TS&L) drawings; bridge plans; value engineering; and 3D modeling. Final design engineering services have included completing drainage design, lighting design, preparing bridge & roadway plans, preparing traffic control plans, special provisions, cost estimates, and any other work necessary to complete final contract plans and documents. The Districts consistently rate our performance as "Good" and "Excellent," with cooperation, coordination, and initiative rated highly.

West College Avenue Reconstruction, Normal, Illinois

Phase I planning and Phase II design of a 1.5-mile-long segment of arterial roadway in the Town of Normal This project will not only efficiently convey motor vehicle traffic, but it will also provide a "Complete Street" by constructing the trailways necessary to allow safe movement of pedestrians and bicycles along the corridor.

3 / Qualifications of Personnel

Ryan Uebinger, PE - PRINCIPAL

He has over 26 years of transportation engineering experience with Resident Construction Engineering and Design Engineering of street and roadway projects for various municipalities, including IDOT. He has worked on a variety of different construction and design projects for DOT's and Local Agencies, including new construction, rehabilitation, bridge, urban and rural intersections, streets, and highways

Mike Lewis, PE - SENIOR PROJECT ENGINEER

Mr. Lewis has more than thirty-four years of involvement in the highway transportation industry. His experience includes the preparation of project reports, plans, special provisions, and estimates for urban and rural roadway improvements.

Katherine Mulvey, PE - TRANSPORTATION ENGINEERING MANAGER / BIKE AND PEDESTRIAN EXPERT

Ms. Mulvey is experienced in all phases of project development. Design experience includes vertical and horizontal roadway alignment, bicycle facility design, storm sewer design, detention analysis, and construction staging.

Bob Markunas, PE, PTOE - TRAFFIC ENGINEERING MANAGER

Mr. Markunas has worked on various transportation and commercial development projects that include rehabilitation, reconstruction, and maintenance work for urban and rural intersections, streets, and highways.

Dirk Rannebarger - LIGHTING ENGINEER

Dirk Rannebarger is an electrical engineer with over 33 years of experience in the electrical design of municipal facilities, including roadway and street lighting.

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

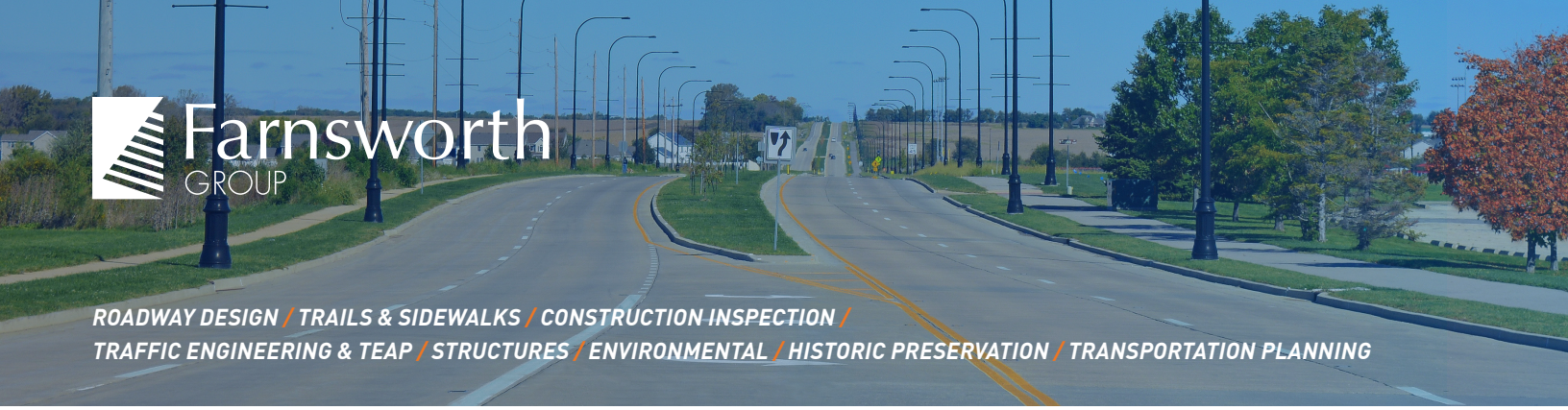
5 / Accessibility

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 roadway team on a recent project.

"...The extremely compressed schedule required the full-time commitment of the team from start to finish... This success was not possible without the strong, collaborative teamwork between the State of Missouri and the dedicated Farnsworth Group team."- Jeremiah (Jay) Nixon, Former Governor of Missouri

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.

2025 ENR TOP 500

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

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.

600+
Staff Nationwide

110
Metro St. Louis Staff

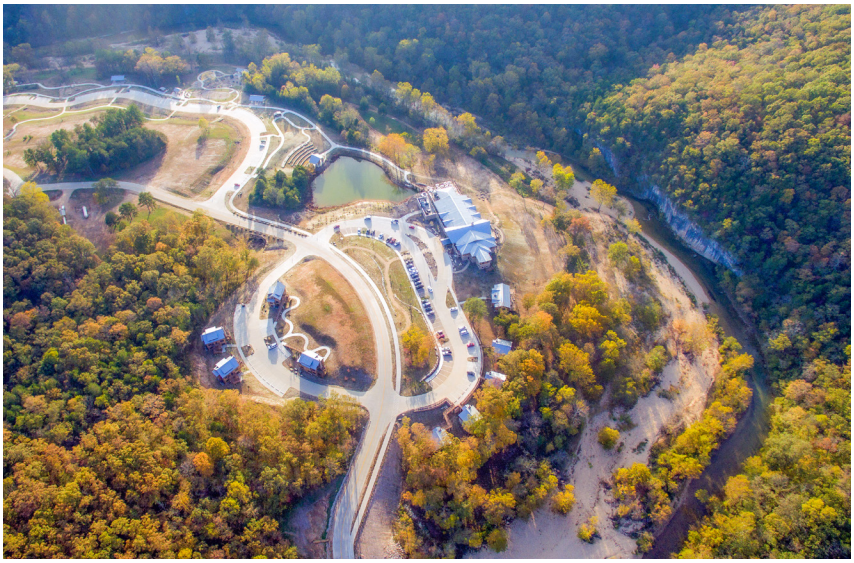
PROFESSIONAL SERVICE CAPABILITIES INCLUDE, BUT ARE NOT LIMITED TO:

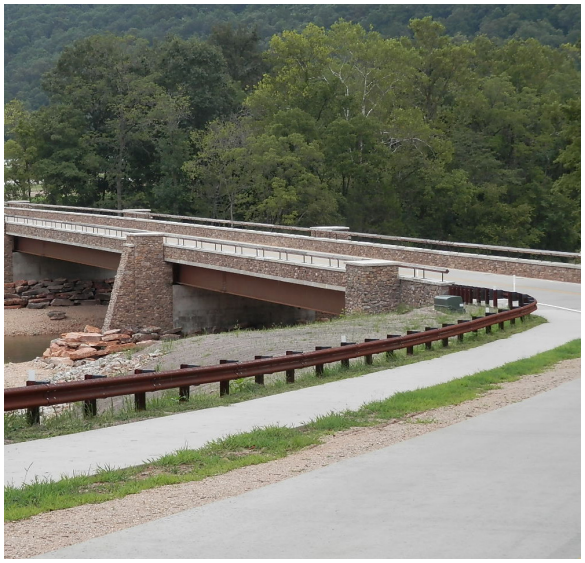
- Civil/Structural
- Bridge Design
- Transportation Engineering
- Utility Coordination
- Land Development
- Land Surveying
- GIS/Mapping
- Stormwater Management
- Hydrology/Hydraulics
- Architecture
- Landscape Architecture
- Municipal Engineering
- Interior Design
- Mechanical Engineering
- Electrical 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

CONTACT

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

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 bulidng, 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

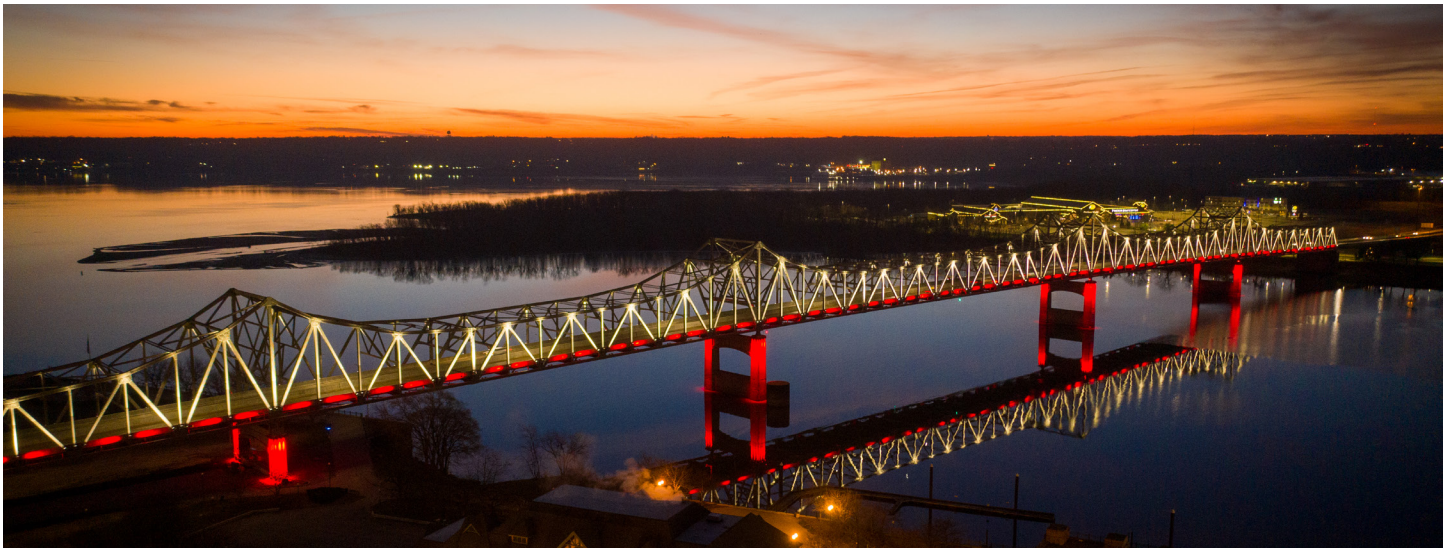
Constructed in 1930, the existing concrete bridge over the BNSF Railway tracks had deteriorated to become structurally insufficient as well as deficient in vertical clearance over the tracks. As a vital connector between the City and Interstate Highway 44, the City took action to secure federal matching 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.

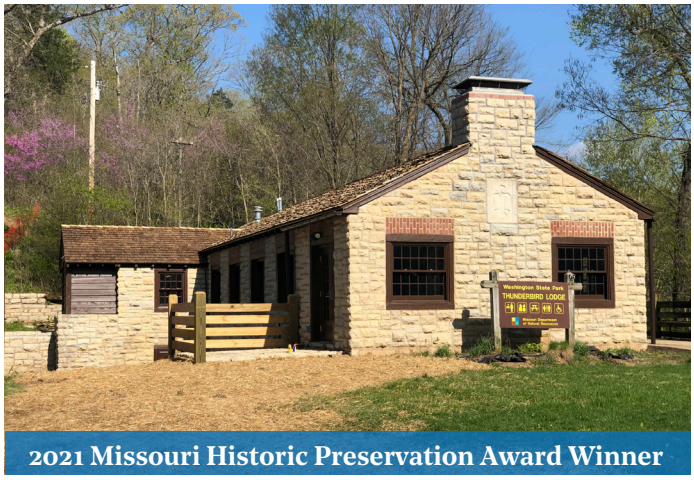
The utilities involved included natural gas, power, water, and three (3) telecommunications providers. During the construction observation phase of the project, Farnsworth Group coordinated the relocation of utilities in conflict. This included on-site inspections and coordination meetings with the Village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



Historic Murray Baker Bridge Lighting / Peoria, IL

MODOT LPA CATEGORIES: HISTORIC PRESERVATION

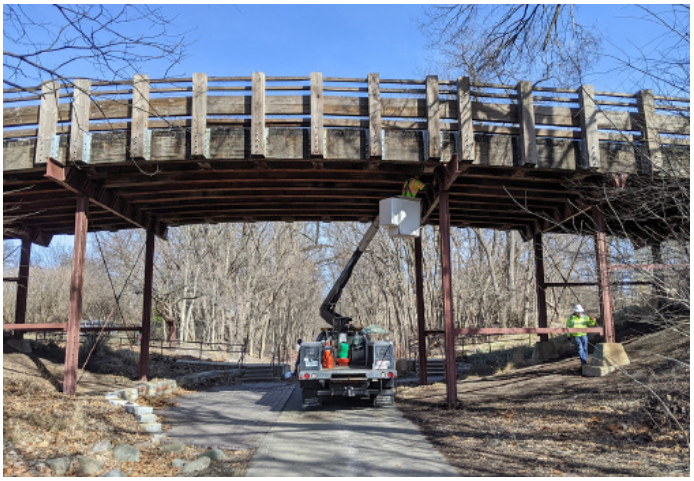
When the Illinois Department of Transportation announced plans to replace the deck of the Murray Baker Bridge, the City of Peoria saw an opportunity to light the exterior structure and span of this iconic bridge that crosses the Illinois River. Farnsworth Group conducted public presentations and public 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.



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 of the bridge using local funds.