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 in 19 cities and 8 states throughout the United States including an office in St. Louis, Missouri, we are a multi-discipline leader in all facets of design and technical consulting. As an Engineering News Record (ENR) Top 200 Design Firm, we can offer 450 engineers, architects, surveyors, scientists, technicians and support personnel providing a full range of services in civil, transportation, oil & gas, environmental, mechanical, electrical, plumbing, structural, and municipal engineering, commissioning, architecture and surveying.

As a large firm, we have an extensive portfolio, as well as a depth of resources to serve our clients for any size project and at any time. Our true asset, however, is our focus on seeking to understand our client’s needs first, and that those needs or requirements are strictly adhered to on every project. Having the best people, processes, or tools is not enough unless we put our clients first, which is why we strive for a client-focus approach on every project.

St. Louis, Missouri Team
LPA projects are an integral component of Farnsworth Group’s success for 50 years. We work with communities throughout the St. Louis Metropolitan area, county engineers, and Missouri/Illinois Departments of Transportation on a multitude of transportation 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.
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 will open its gates to the public this summer 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 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.

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.

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.
North Rock Hill Road  
Webster Groves, Missouri

MODOT LPA Categories:
• Roadway Design   • Trails & Sidewalks

North Rock Hill Road is an urban collector and one of the major gateways into the City of Webster Groves connecting the City to other major roadways in the greater St. Louis area. This project consisted of reconstructing approximately 2,000 lineal feet of roadway from W. Kirkham Ave to the north City limits at Bismarck Ave.

Monsanto Drive Bridge Rehabilitation  
Creve Coeur, Missouri

MODOT LPA Categories:
• Structures

This existing bridge over busy Lindbergh Blvd was identified with frozen rusted metal bearings and cracked concrete seats at both end bents, causing the expansion joints to fail. Farnsworth Group worked with Monsanto to remove and replace the expansion joints at the abutments, jack and remove the existing bearings at the abutments, place additional concrete on the abutment caps, install laminated neoprene bearing pad assemblies at the abutments and repair the concrete deck.

Edgar Road Left Turn Lane  
Webster Groves, Missouri

MODOT LPA Categories:
• 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.

Shaw Park Recreational Trails  
Clayton, Missouri

MODOT LPA Categories:
• Trails & Sidewalks   • Traffic Engineering & TEAP

Shaw Park is the jewel of the City of Clayton park system. As a part of the City’s on-going master plan for the Park, Farnsworth Group’s design included 3,700 lineal feet of new trails as well as the reconstruction of 2,500 lineal feet of existing trails.
LPA Category

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<th>Position</th>
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Robert E. Polk, PE, LEED AP | Principal-in-Charge

Mr. Polk has 40 years engineering experience in all phases of municipal, public works and infrastructure projects in addition to commercial, recreational, institutional, and industrial development projects. His technical expertise includes urban/rural roadways, land planning, site design evaluation, hydraulic analysis, sewers, stormwater drainage, pumping facilities, and utility extensions.

Michelina (Micki) S. Hansel | Senior Project Engineer

Mrs. Hansel has 15 years’ experience as a civil and environmental engineer serving public and private sector clients throughout the Midwest. She has assisted clients in financing, permitting and design. Mrs. Hansel has worked with clients in the areas of, wastewater collection, stormwater management, water distribution, water supply, trails, flood plain studies and site development.

Nathan M. Nohren, PE, PTOE | Project Engineer

Mr. Nohren has over 12 years of traffic/transportation design and construction engineering experience, which includes a background in traffic impact studies, traffic signal & intersection design, roadway & traffic signal construction, ADA facility design/construction and surveying projects. He also prepares Phase I project development reports and Phase II contract plans, specifications, and estimates for roadways, streets and traffic signals. In addition, he has experience in quality control and quality assurance on both transportation design and construction projects and has performed construction engineering services on various DOT, Local Agency, and Private Development projects.

Joseph M. Lowrance, SE, PE | Engineering Manager

Mr. Lowrance has 17 years’ experience in bridge planning and design, environmental structure design, industrial structure design and wind structural design. Engineering duties include all phases of project development for municipalities, counties and state departments of transportation as well as private developments. Projects include rehabilitation, reconstruction and maintenance work for urban and rural bridges, environmental structural design and industrial structural design.