

About TREKK Design Group

TREKK Design Group, LLC (TREKK) is a multi-disciplined, women-owned civil engineering firm, committed to helping municipal, state and Federal agencies across Missouri, Kansas, Nebraska and Tennessee plan, build and maintain sustainable infrastructure.

TREKK is dedicated to IMPROVING LIVES by providing safe roads and clean water to the communities we serve. Our team offers holistic, commonsense solutions to communities across the Midwest. We are proud to be certified as a Small Business SBA 8(a) Enterprise and Disadvantaged/Women Owned Business Enterprise (D/WBE) with the state of Missouri.

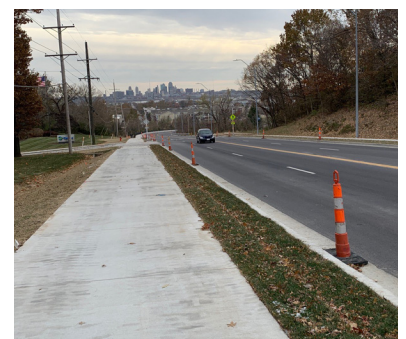
TREKK is headquartered in Kansas City with offices in St. Louis, Columbia and Springfield, Missouri as well as locations in Kansas, Nebraska and Tennessee. Our various office locations throughout the state of Missouri allow us to mobilize quickly to address any Local Public Agency (LPA) project concerns. The TREKK Team is committed to being responsive and remaining flexible to LPA's needs across the state.

Our staff of more than 140 individuals includes civil engineers specializing in water/wastewater, transportation, traffic and site development; GIS technicians and asset managers; construction inspectors; surveyors; and wastewater field technicians. This team includes Missouri Registered Professional Engineers and Land Surveyors, a Professional Traffic Operations Engineer, Envision Sustainability Professionals and 11 LPA-certified staff.

TREKK offers a full complement of consulting services, including:

- Civil engineering
- Traffic engineering
- Transportation engineering
- Structural engineering
- Water and wastewater engineering
- Wastewater field services
- Survey, mobile LiDAR and utility coordination
- Construction inspection and observation
- Asset management and GIS services

As a full-service firm, TREKK also offers expertise in water, wastewater, utility and stormwater engineering; asset management and GIS; and wastewater field services. Our experience in both buried and above ground infrastructure allows TREKK to provide our clients with truly holistic solutions that look at the big picture, not a piece of it. TREKK's entire team works together to develop new data-driven technology solutions, including camera systems, mobile applications and sensors, that help our clients work smarter, faster and—most importantly—safer.



ROADWAY DESIGN

TREKK's transportation team designs creative, cost-effective solutions that enhance safety and improve roadway capacity and access. We offer comprehensive roadway planning, design, utility coordination, public involvement and construction inspection services on a wide range of projects. Our transportation services include:

- Access management
- ADA compliance
- Aviation, rail and transit
- Bicycle and pedestrian facility design
- Bridge and retaining wall design
- Complete streets design
- Construction inspection
- Corridor and planning studies
- Design-build experience
- Intersection geometric improvements
- Lighting design
- Pavement marking and signing
- Pavement rehabilitation
- Roadway and interstate highway design
- Storm sewer design and analysis
- Traffic and safety analysis
- Traffic calming
- Traffic impact studies
- Traffic signal design
- Survey and utility coordination

TREKK's transportation design team has been involved with the development of some of the most cutting-edge transportation solutions to date, including diverging diamond and diverge-about interchanges. Our designs are rooted in a strong understanding of the various state and federal standards and procedures that govern roadway design, as well as public input.

Our experience on design-build projects provides insight on constructability issues during the entire design process, ultimately minimizing the cost of construction. This collaboration with contractors has helped develop our engineers to consider the "how" and not just the "why" when developing design solutions.

TRAFFIC ENGINEERING

TREKK's traffic engineers provide a variety of services, ranging from data collection to design. Our team also develops traffic impact studies and analyses that consider current and future capacity and effects on the traveling public.

Our engineers perform traffic impact studies and analyses that consider current and future capacity and effects on the traveling public. TREKK can utilize tube or manual board data collection, as well as Miovision camera data collection. The video data collected by Miovision technology equips us with the information needed to determine cost-effective and feasible solutions. The innovative technology also eliminates the need for manual traffic counts, keeping our staff safely out of the way of traffic, especially during peak periods.

We are experienced with the design of traffic signals, beacons, signage, pavement marking, lighting plans and Intelligent Transportation Systems (ITS)



for all types of roadways. When creating traffic designs, our main goals are to help ease congestion and move traffic more efficiently, especially during peak periods.

TREKK traffic engineers have worked with both Kansas City Scout and Operation Green Light in evaluating ITS needs, function and design, which includes fiber optics, cabinets, cameras, detection and radio communication.

Our professional traffic engineers stay current with industry standards and client requirements, providing accurate traffic control and design. TREKK utilizes these standards to develop traffic control plans for use both during and after construction.

TRAILS AND SIDEWALKS

TREKK's transportation team develops designs that enhance safety, improve mobility, and promote accessibility for all users. Our team brings expertise in the design of sidewalks, bike and pedestrian trails, as well as signage and notification systems that move pedestrians and bicyclists safely and efficiently through urban intersections. We bring together experts in municipal projects with an eye for designing functional and aesthetically pleasing solutions that seamlessly integrate land use and transportation.

We have designed and constructed a number of shared use, bicycle trail and Safe Routes to School projects that meet ADA requirements and promote mobility. We apply our training in ADA principles to design ADA-compliant, pedestrian accessible sidewalks, ramps and transitions. We bring these learned and experienced skills to every design project we perform.

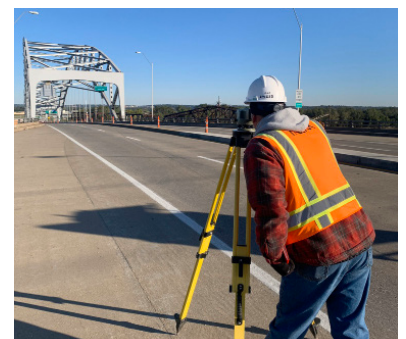
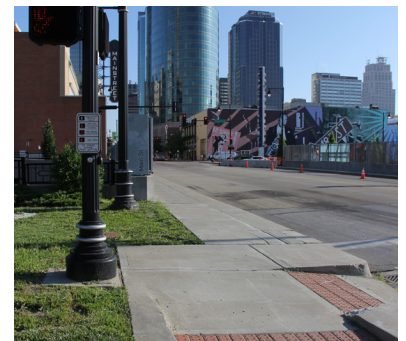
TREKK also has experience in the design of Complete Streets projects that enable safe access for all users, including pedestrians, bicyclists, motorists and transit riders. Our projects maximize the coordination of vehicular and pedestrian movements to best accommodate all users.

STRUCTURES

TREKK's structural design team is well-versed at taking a project from concept to construction. Our structural services include the design and evaluation of bridges, box culverts, retaining walls and other site structures.

Our team can efficiently deliver high-quality structural solutions ranging from simple stream crossings to complex urban interchange bridges. We handle design services for short-span and long-span steel and concrete vehicular bridges, pedestrian and bikeway bridges, bridge widenings, bridge rehabilitations, retaining walls and box culverts.

TREKK approaches structural projects with an integrated design process that considers each discipline's priorities and constraints from concept to final design. Our team of specialized structural, roadway, traffic and hydraulic engineers work cooperatively in order to avoid decisions made in a vacuum.



CONSTRUCTION INSPECTION

TREKK's construction inspection team gives our clients the peace of mind that their projects are being constructed as designed. By acting as your eyes and ears in the field, we can help clients avoid significant schedule delays, costly budget overruns and inconveniences to the public that may result from construction errors. Our construction industry experts work closely with our clients every step of the way. This team includes former public agency inspectors who bring the owner's perspective to TREKK's construction inspection services. This expertise helps our inspectors better understand the standards associated with infrastructure construction projects.

We build relationships with our clients and the community, keeping them apprised of construction activities affecting their property. This requires continuous communication between client staff and our construction inspection staff, monthly coordination meetings to track project goals and objectives, weekly construction progress meetings with contractor, client staff, affected residents and business owners, and local agencies.

Our construction inspectors provide clients with daily progress reports and photos showing work completed and quantities used each day. These daily logs let our clients see what is happening in the field without actually being present every day.

SURVEYING

TREKK's six in-house survey crews provide traditional land survey, photogrammetry and aerial/static/mobile LiDAR services to support our transportation team. We have more than 35 field technicians and surveyors who can respond immediately to any surveying needs an LPA may require. Our survey team provides precise, accurate and user-friendly survey data using the latest technology tools.

Our traditional survey team brings expertise in land and construction surveying, mapping, easements and exhibits, right-of-way and property research. In addition, we handle mapping for transportation, bridge, water, wastewater, stormwater and site development projects.

In 2018, we added mobile LiDAR capabilities, which allow us to safely gather survey-grade data without lane closures or traffic disruptions. Mobile LiDAR technology supports our clients' scanning needs, including underground tunnel walks, deep shaft inspections and traditional surface scanning for transportation projects.

For more information on our comprehensive engineering and consulting services, visit www.trekklc.com.

