



## COVER SHEET

(This must accompany your firm's letter of interest and does not count in the page limit)

Firm's Full Legal  
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TREKK Design Group, LLC

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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**

TREKK is committed to delivering transportation projects that positively impact Missouri. Every day, we leverage our entrepreneurial culture, technology and innovation to engineer solutions that support the growth and restoration of the communities we serve. We call this IMPROVING LIVES.

As a pre-qualified MoDOT consultant and approved firm on the current Local Public Agency (LPA) on-call list, TREKK's transportation team has been involved in numerous projects across Missouri as both a prime consultant and sub-consultant. We appreciate each opportunity to serve the local agency, MoDOT and the citizens of Missouri. Being selected as one of your Trails & Sidewalks on-call providers would allow us to expand our opportunities to provide the first-priority customer service that you deserve.

### GENERAL EXPERIENCE OF FIRM

Since 2002, TREKK has served Missouri residents providing quality transportation design services focused on delivering commonsense, holistic solutions. We are a full-service firm offering multi-modal, roadway, structural, hydraulics, traffic, drainage, erosion control, utility coordination, permit assistance, construction engineering and inspection, and both traditional land survey and mobile LiDAR survey.

TREKK continues to make significant investments in our transportation team, growing to meet our clients' full-service consulting needs by adding expertise in roadway, structural and traffic design. We have also added recently retired MoDOT staff to bolster our experience and commitment to quality service.

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 numerous 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. We have used FHWA's STEP (Safe Transportation for Every Pedestrian) guidance to help determine best practices for

pedestrian safety, and MoDOT's SAFER tool to help ensure a safe system approach is considered in all phases of every project.

### FAMILIARITY/CAPABILITY

TREKK's team of more than 80 design professionals, including more than 15 LPA certified professionals, understands the requirements and expectations to deliver LPA projects. Thanks to the extensive experience among our project managers, TREKK can guide project teams through the project development process. Project teams collaborate effortlessly within TREKK, and with our clients, to deliver high-quality plans.

Our team of multi-modal, roadway, traffic, structural, and hydraulic engineers have in-depth familiarity with LPA programs, design standards and specifications. We take great pride in delivering safe and reliable design services to Missouri residents.

### ACCESSIBILITY

Given our experience as a MoDOT LPA on-call partner, we understand that on-call requests typically require urgency and heightened responsiveness. Delivering multiple, small projects within the same year is second nature at TREKK. With offices in Kansas City, St. Louis, Columbia and Springfield, the TREKK team will be responsive and remain flexible to our clients' needs across the state.

TREKK uses a variety of tools and technologies to remain responsive to our clients, ranging from in-person meetings to using technology to remain in contact even from a distance. We use Microsoft Teams to conduct virtual meetings, as well as the chat feature for quick conversations among team members. Our team also employs several tools to monitor project schedules, including Microsoft Project. We are committed to meeting or exceeding your schedule demands as they arise.

### PAST PERFORMANCE

TREKK is proud of our past performance on LPA and MoDOT projects. Examples of our recent experience include:

**Fassnight Trail from Skate Park to Fort Avenue | Ozark Transportation Organization (OTO).** TREKK is providing trail, pedestrian bridge and drainage design and survey for a new 10-foot-wide concrete trail extension of the Fassnight Trail. The trail will be constructed within a floodplain and will cross the creek with a boardwalk bridge. We developed a design solution that minimizes impacts on the floodplain boundaries. An ADA accessible ramp will allow the trail to mimic the natural topography. The project also requires significant stakeholder communication. This locally funded project is the first step for OTO to request federal funding.



**Dogwood Elementary Sidewalk Improvements | City of Kearney, MO.** TREKK provided survey, design and construction inspection services for 3,500 linear feet of new concrete sidewalks providing safety and continuity of access to Dogwood

Elementary School. This Safe Routes to School project also included ADA ramps, pavement markings and flashing beacon signs. This project was federally funded through the LPA Program.



**Division Street Sidewalk | City of Springfield, MO.** TREKK provided survey and design of 3,925 linear feet of new ADA compliant sidewalk. This project also included installation of four bus stops and confirmation that the existing stormwater facilities

had enough capacity for the proposed improvements. This project was federally funded through the LPA Program.



**Highway DD Improvement | MoDOT St. Louis District/City of O'Fallon, MO.** TREKK was on the team for this MoDOT Cost Share reconstruction project, which widened Highway DD. We designed signals with pedestrian

facilities, lighting, ITS and drainage and assisted with roadway and trail design. This project was federally funded through the LPA Program.



**Golden Avenue and Valley Water Mill Road Resurfacing and ADA Improvements | Greene County Highway Department.** TREKK performed an ADA assessment and provided preliminary and final design of ADA improvements and roadway

resurfacing along 1.9 miles of Golden Avenue and Valley Water Mill Road. We used mobile LiDAR for ADA compliance redesign and new ramps. This project was federally funded through the LPA Program.



**Stone & Taney Counties ADA Improvements | MoDOT Southwest District.** TREKK provided survey, utility coordination and design and is currently providing construction inspection services for ADA

improvement projects in Stone and Taney counties. This included completion of an ADA assessment along 16 routes in 10 cities, totaling 9.5 miles. This project is federally funded.



**Fogerty Park Phase II Improvements | City of University City, MO.** TREKK provided design and inspection services for a new trail, sidewalks, ADA improvements at lighting at Fogerty Park. The project included the removal and replacement of a

widened ADA asphalt trail, lighting, bioretention and sidewalk reconstruction and addition. The locally funded project used a Municipal Park Grant, which required the project to be completed on an expedited time frame.



**Lawrence Loop Shared Use Path from Peterson Park to Michigan Street | City of Lawrence, KS.** TREKK provided a conceptual study and design for two contiguous segments of the Lawrence Loop shared use path.

The project included a shared use path, two Rectangular Rapid Flashing Beacons pedestrian crossings, a reinforced box culvert pedestrian tunnel, and a pedestrian bridge connecting the shared use path on each side of a tributary. The project also included complicated drainage design and coordination with the Kansas Turnpike Authority, area businesses and homeowners. This project was federally funded through KDOT's Transportation Alternatives Program.



**Derhake at Robinwood Elementary Pedestrian Signal | City of Florissant, MO.** TREKK provided design and inspection services for pedestrian improvements and the replacement of a pedestrian signal on Derhake Road. The project

required the relocation of an existing crosswalk to provide accessible access to the school entrance, which resulted in sidewalk reconstruction and other accessible accommodations. This project was federally funded through the LPA Program.



**Historic West Bottoms Wayfinding | City of Kansas City, MO.** TREKK developed wayfinding signage through the Historic West Bottoms (HWB) neighborhood. TREKK collaborated with the HWB

Association Board to develop sign graphics and wayfinding themes supported by the neighborhood. The wayfinding signage helps promote multi-modal transportation and economic development in the neighborhood. This project was locally funded.

**Traffic Engineering Assistance Program Report | City of Clever, MO.** This project conducted a study and made recommendations for improved traffic flow at and around the Clever Elemiddle School. The project included data collection, circulation observations and a signing and striping inventory, as well as recommendations for improvements in each area. This project was federally funded through the LPA Program.

**National and Sunset Intersection Improvements | City of Springfield, MO.** TREKK is providing survey and design of intersection and trail improvements at the Sunset and National intersection in Springfield. The project includes the addition of a dedicated right turn lane, improved placement of left turn lanes and extending an existing trail across the intersection. This project is locally funded.

### QUALIFICATIONS OF PERSONNEL

TREKK has built a team of proven professionals with the capacity and capability to fully serve MoDOT. Our design team of more than 80 professionals includes experienced practitioners and an innovative next generation of the profession. The design team is fully supported by our 10 in-house survey crews, which provide both traditional land survey and LiDAR services.



**Tawn Nugent, PE, DBIA\* | Associate Partner.**

Tawn leads TREKK's Transportation practice. She brings nearly 30 years of MoDOT experience on a variety of roadway and bridge projects. Tawn is especially passionate about projects that improve safety, connectivity and quality of life for all individuals.



**Erica Ridgway, PE\* | Trail & Sidewalk Lead.**

Erica brings over a decade of experience in transportation and traffic design and safety. Her projects have included roadway, streetscape, lighting and trail design; pedestrian facilities; ADA improvements. She is also experienced in signal design, including pedestrian facilities.



**Anne Schroer, PE, ENV SP\* | Trail & Sidewalk Lead.**

Anne brings more than 22 years of experience in transportation design. She has led the design of numerous roadway and bridge projects, integrating ADA, sidewalk and trail improvements to improve safety and mobility.



**Jason Shafer, PE | Traffic Engineer.**

Jason has developed design plans for numerous MoDOT projects. His 19 years of experience include 11 years with MoDOT's Southwest District. Jason has played a significant role on nearly all of TREKK's projects for MoDOT.



**Greg Wallace, PE, PTOE\* | Traffic Engineer.**

Greg has more than 16 years of experience in sidewalk and trail design, roadway design, traffic studies, traffic calming, corridor planning, signalization and right of way management. His previous experience in municipal government helps him understand the owner's perspective.



**Spencer Osborn, PE, PTOE | Traffic Engineer.**

Spencer brings creativity and an innovative approach to all our transportation projects, along with a personal passion for traffic engineering. His experience includes ADA compliance and pedestrian facilities, safety improvements and traffic signal and lighting design.



**Sandra Wagner, PE, CFM\* | Hydraulic Engineer.**

Sandra's more than 20 years of experience includes roadway drainage design on numerous transportation projects. She regularly performs hydraulic analyses and modeling for bridges and box culverts. As a Certified Floodplain Manager, Sandra has a firm understanding of the requirements for development within floodplains.



**Adam Peetz, PE\* | Utility Coordination Manager.**

Adam brings more than 21 years of expertise in public infrastructure, site and utility coordination. He helps guide utility coordination, including tracking existing utilities and identifying utility locations.



**Mike Klasing, PLS | Survey Lead.**

Mike's 31 years of topographic, boundary, hydrographic and LiDAR surveying experience across multiple project types will provide continuity and QA/QC to meet MoDOT standards. He has led TREKK's survey teams on dozens of MoDOT roadway, bridge and sidewalk projects across all Districts.



**Phil Becker, PLS | LiDAR Manager.**

Phil brings 16 years of experience with both traditional survey and LiDAR acquisition, extraction and data management for structural and roadway projects nationwide. He has worked on dozens of MoDOT projects, providing both traditional survey and LiDAR services.

*\* Indicates an LPA-certified professional*



# TRANSPORTATION SERVICES

CLEAN WATER. SAFE ROADS. RELIABLE INFRASTRUCTURE.



# IMPROVING SAFETY, CONVENIENCE AND ACCESSIBILITY FOR ALL USERS.

## **TRANSPORTATION**

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, survey and construction inspection services on a wide range of projects.

Our award-winning transportation team has experience working on everything from intersection modifications to new interchanges. We approach transportation challenges with a holistic, commonsense mindset. TREKK has been involved in many innovative transportation solutions, including diverging diamond and diverge-about interchanges.

We have wide-ranging experience on design-build projects as both the owner's engineer and the contractor's partner. A thorough understanding of both sides of the process provides a valuable perspective on all types of projects.

Our transportation experience isn't just limited to roadways. TREKK also has experience with railroad, transit and aviation projects. We are well versed in the design of multi-modal facilities to promote safety and mobility for all users. 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 transportation design project we perform.

# COMPREHENSIVE TRANSPORTATION SERVICES



## ROADWAY

TREKK values our role in designing roadways that safely move people and goods. We bring experience with designing all types of facilities, from interstate highways to rural roadways to city streets. We know that private property and utilities are often impacted by roadway improvements. TREKK will evaluate those impacts holistically throughout the design stages.



## TRAFFIC

TREKK's team provides traffic analysis, study and design services that improve safety and reliability for all modes of transportation. Our traffic engineers leverage technology to understand the impacts of increased demand and changes in travel patterns. Our diverse expertise allows us to effectively design signage, pavement marking, traffic signals, ITS Systems and lighting plans to improve mobility.



## SAFETY

Assessing safety enhancements is a critical aspect of all projects. TREKK's team considers how the transportation system can be safer after improvements are completed and also during the construction period. We perform safety assessments of existing facilities, reviewing historical data to identify trends. Our engineers are experienced with the latest industry guidance to provide recommendations in determining improvements that give the most benefit.



## SURVEY AND UTILITIES

Survey data provides the foundation for any transportation project. Our crews have experience with the latest survey technologies to capture and deliver topographic data, including mobile, static and terrestrial LiDAR. Utility coordination is a value-added service that provides the assurance and accuracy of subsurface utility location prior to survey and design. To provide efficiency, TREKK's survey, utility and design teams offer seamless coordination.



## STRUCTURAL

We understand the significance structures have on transportation project budgets and bring creativity to maximize their value and minimize overall project costs. TREKK offers broad structural design experience, including short- and long-span vehicular, pedestrian and bikeway bridges, bridge widenings, bridge rehabilitations, retaining walls and box culverts.



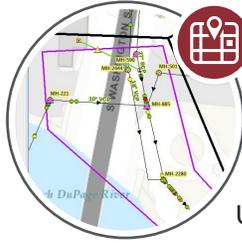
## CONSTRUCTION

TREKK's construction inspectors provide the peace of mind that your project is being constructed as designed. Our certified inspectors have experience on all types of projects. By taking a proactive approach, we can help clients avoid schedule delays and costly budget overruns. We value being our clients' advocate, building relationships with the community, and keeping everyone apprised of construction activities.



## MULTIMODAL

Bike and pedestrian facilities provide an alternate means of transportation, improved fitness and quality of place. In the right location they enhance communities and promote economic development. Connecting all modes of travel—roads, sidewalks, railroads, transit and ports—creates a unified system for moving goods and people. TREKK's staff provides detailed designs that reflect the bigger picture of making all modes function together efficiently.



## GIS AND ASSET MANAGEMENT

Limited resources can force transportation agencies to make difficult budget choices. Understanding the location and condition of assets is a critical step to establish priorities. TREKK's team starts with the end user in mind and customizes the organization and retrieval of data to match the client's needs. This allows the client to build smart systems, which maximize the coordination and function of all types of infrastructure.

# HOW TREKK CAN HELP

- 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
- Grant writing and funding assistance
- Intelligent Transportation Systems
- Intersection geometric improvements
- Lighting design
- Park and trail 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 and progression
- Smart cities/systems
- Survey and utility coordination



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