



## COVER SHEET

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

Firm's Full Legal

Name:

Renaissance Infrastructure Consulting, Inc.

Firm Contact Name:

Grant Niehus

Contact Email

Address:

gniehus@ric-consult.com

Firm's Mailing Address:

8653 Penrose Lane

Lenexa, KS 66219

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**

December 12th, 2025

Missouri Department of Transportation  
105 West Capitol Drive  
Jefferson City, MO 65102

**RE: MoDOT 2026-2029 LPA On-Call Professional Services Letter of Interest- Traffic Engineering & TEAP**

Dear Selection Committee Members,

Renaissance Infrastructure Consulting (RIC) is pleased to submit our Letter of Interest for **Traffic Engineering & TEAP**. RIC is up-to-date on MoDOT's Approved Consultant Prequalification List. Our team brings creativity, expertise, successful similar project experience, and efficient and organized project management skills that will deliver exceptional results for MoDOT.

RIC is a consulting firm founded in 2010 specializing in Civil Engineering, Land Surveying, Landscape Architecture, Traffic Engineering, and Construction Phase Services. We have assembled a team of experienced professionals that have collectively completed hundreds of public and private infrastructure improvement projects. RIC maintains a strong focus on providing exceptional client service, a commitment to quality work, and efficient and cost-effective solutions. Our experienced project team is well-suited to serve as an On-Call Consultant. RIC has the capacity to adequately serve MoDOT, extensive experience serving on on-call contracts, qualified and experienced professionals, and a history of excellent performance on similar projects.

## QUALIFICATIONS OF PERSONNEL



### **GRANT NIEHUS, PE, PTOE | TRAFFIC ENGINEER**

PROFESSIONAL ENGINEER, LICENSED IN MO, KS, IA, WI, IL

Grant has over 15 years of experience managing, designing, and implementing traffic and roadway engineering projects across the nation. Grant has extensive experience managing and designing signal timing improvements, traffic impact studies, traffic signals, street lighting systems, pavement marking and signage, traffic control, and traffic modeling. He is well-versed in various technical systems including VISSIM/SYNCHRO, NTCIP, and Vehicle, Bicycle, and Pedestrian Detection Applications, and has extensive experience working with nearby municipalities and DOTs including Olathe, Shawnee, KDOT, MoDOT, and Kansas City, Missouri. As a project manager, Grant strives to provide open and frequent communication, acting as an extension of your staff, and giving your project the care and attention it deserves.

## PAST PERFORMANCE

### **ONE NORTH DEVELOPMENT TRAFFIC STUDY - KANSAS CITY, MO | 2022-2023**

**CLIENT CONTACT: NORTH KC DESTINATION DEVELOPERS, RICK WORNER, MANAGING DIRECTOR, 913-481-3420**

RIC conducted a traffic study for the One North Development in North Kansas City, MO. The study analyzed existing conditions and made recommendations for public improvements based on existing unsafe traffic maneuvers at the intersection of Taney Street & Diamond Parkway. Improvements included converting an existing 2-way stop controlled intersection to an all-way stop controlled intersection.

## **MISSION ROAD HAWK & PEDESTRIAN SIGNAL IMPROVEMENTS - LEAWOOD, KS | 2023**

**CLIENT CONTACT: CITY OF LEAWOOD, DAVID LEY, PE, DIRECTOR OF PUBLIC WORKS, 816-984-2282**

RIC provided design services for improvements to Mission Road in Leawood, KS from 127th Street to 133rd Street. Traffic Engineering services included a traffic signal warrant study at Mission Road and 127th Street and design services for a new High-Intensity Activated crosswalk (HAWK) pedestrian signal in front of Mission Trail Elementary School. Other services rendered included pavement markings, temporary traffic control, permanent signage, and street lighting improvements.

## **MISSOURI ROUTE 45 & I-435 IMPROVEMENTS - PARKVILLE, MO | 2024-2025**

**CLIENT CONTACT: PARKVILLE DEVELOPMENT 140, BRIAN MERTZ, 816-616-9016**

RIC provided design services for geometric improvements to the interchange at Interstate 435 & Missouri Route 45. Improvements included the addition of travel lanes in three of the four ramps at the interchange and traffic signals at both ramp intersections. Existing adjacent slopes created significant challenges to meeting clear zone and slope requirements. However, RIC was able to design a combination of solutions, including guardrail and retaining walls to obtain required clear zone slopes.

## **199TH STREET SAFETY IMPROVEMENTS JOHNSON COUNTY, KS | 2024-PRESENT**

**CLIENT CONTACT: JOHNSON COUNTY PUBLIC WORKS, AARON BURKS, PROJECT MANAGER, 816-888-8052**

RIC is providing design services for Johnson County, Kansas to widen 199th Street from Renner Road to Antioch Road. The existing unimproved roadway did not have a shoulder and had severe drop offs within the project limits. RIC's unique proposal recommended widening on just one side of the road to limit utility and driveway impacts and overall project cost. The final product will have paved shoulders on both sides of the road providing a safer roadway for the County.

## **MISSOURI ROUTE 11 TURN LANE WIDENING - BROOKFIELD, MO | 2021-2023**

**CLIENT CONTACT: MODOT NW DISTRICT - EASTERN AREA, MICHAEL MARRIOTT, PE, AREA ENGINEER 816-262-1797**

RIC prepared plans for a road widening at the intersection of Park Circle Drive on Missouri Route 11, just south of US-36. The purpose of this project was to provide an auxiliary left turn lane for southbound left turning traffic and was recommended from a traffic impact analysis performed in 2021. This project was funded through the state's Cost Share Program and approved by the Missouri Highway Transportation Committee via the Statewide Transportation Improvement Program (STIP). The plans, specifications, and construction estimate were prepared following MoDOT's LPA requirements. RIC prepared a MoDOT Cost Share Grant Application and successfully obtained a 50/50 cost share agreement for proposed turn lane improvements on Missouri Route 11 in Brookfield, MO. Following grant award, RIC prepared a Traffic Study, Construction Drawings, Estimate, and Specifications. RIC also acted as the MoDOT LPA Person in Charge for project bidding and construction engineering. The project was jointly funded with MoDOT and FHWA funds so all federal requirements were followed for the project.

## **HORIZONS PARKWAY IMPROVEMENTS - RIVERSIDE, MO | 2019-2025**

**CLIENT CONTACT: CITY OF RIVERSIDE, TRAVIS HOOVER, PE, PUBLIC WORKS DIRECTOR (816) 741-3908**

RIC provided a full traffic impact study and operational strategies for ingress and egress of a proposed large amphitheater in Riverside, MO. The all encompassing study took input from various project stakeholders including MoDOT, the City of Riverside, and the development team and provided a macro level analysis of traffic on event days. Recommendations from the study included geometric improvements, traffic signal timing modifications, temporary dynamic signage placement, permanent signage, and off-duty officer placement. Following study acceptance, RIC provided design services for improvements along Horizons Parkway from Interstate 635 to Taylor Memorial Boulevard.

## ROUTE D IMPROVEMENTS - PLATTE COUNTY, MO | 2023-2024

### CLIENT CONTACT: SKYHOPPER LANDINGS, DAVID BARTH

RIC provided design services for the addition of two auxiliary turn lanes at the Interstate 435 & Missouri Route D Interchange in Platte County, MO. The improvements stemmed from a traffic impact study for nearby developments and the anticipated increase in traffic utilizing the interchange.

## FAMILIARITY/CAPABILITY

Renaissance Infrastructure Consulting brings deep experience executing federal projects in full compliance with applicable federal law, having provided land surveying, civil engineering, and landscape-architecture services to agencies such as USACE and FEMA. The RIC team includes licensed professionals with extensive federal-domain credentials. RIC's IT infrastructure meets all the requirements for CMMC Level 1 certification and we are well on our way to meeting Level 2 requirements.

Moreover, RIC has demonstrated its ability to deliver technically rigorous, regulation-conscious projects under accelerated schedules—even in remote or challenging environments—as shown in our boundary survey work for Birch Lake and Skiatook Lake in partnership with USACE. Beyond federal clients, RIC regularly assists municipal clients in managing projects with Federal funding and meeting federal permitting requirements.

## ACCESSIBILITY

Our team maintains a strong reputation for responsiveness by combining clear and timely communication practices that ensure client needs are addressed promptly. We begin each project by defining preferred communication channels, response-time expectations, and design team staff so that clients always know how to reach us and who they can contact with questions. Internally, we use standardized project-tracking methods and hold weekly PM coordination meetings to make sure staff is appropriately assigned based on experience level and deadline requirements. This disciplined approach allows us to remain dependable, transparent, and aligned with client priorities even as project requirements evolve.

When working remotely, we rely primarily on Microsoft tools to stay closely connected. We regularly hold Teams calls for real-time discussions. Our secure cloud based server allows our team members to access project files from anywhere they are at the speed of their internet connection. This system provides our staff document sharing and co-editing capability. Together, these technologies and practices ensure that distance never impedes responsiveness and that clients receive the same level of attention and service as they would in person.

In conclusion, we believe the RIC team is a perfect fit for the Traffic Engineering & TEAP LPA On-Call Contract and appreciate the opportunity to grow our relationship with MoDOT. Please contact me should you have any questions or need additional information.

Respectfully,



Grant Niehus, PE, PTOE  
VP, Project Manager  
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816-255-5040 (c)  
[gniehus@ric-consult.com](mailto:gniehus@ric-consult.com)

# WE ARE PASSIONATE ENGINEERS, LANDSCAPE ARCHITECTS, SURVEYORS, & CONSTRUCTION OBSERVERS

Renaissance Infrastructure Consulting (RIC) is a 100% Employee Owned company that brings innovation and expertise to public and private infrastructure projects throughout the Midwest. We deliver “Creative Ideas and Practical Solutions” to our clients through consulting, engineering, land surveying, landscape architecture, and construction phase services.



We separate ourselves from the competition by the level of commitment we give our clients and our devotion to quick correspondence, transparency, and attention to detail. Our clients appreciate the level of passion and integrity we bring to each of their projects as we stand by them throughout the entire project - from conceptual design through construction - acting as both an advocate and trusted advisor. Our profound understanding of the built environment gives us the ability to recognize what is possible, economical, and sustainable.



# DEDICATED PROFESSIONALS, TRUSTED ADVISORS

Our staff's combined experiences, education, and creativity make the outcomes expected by our clients possible. RIC's success is a direct result of our hard working and dedicated team members as they are our most valuable resource.

## OUR TEAM INCLUDES:

- 17 Professional Engineers
- 20 Design Engineers & Technicians
- 1 Professional Traffic Operations Engineer
- 3 Professional Landscape Architects
- 3 Professional Land Surveyors
- 11 Survey Field Members
- 8 Construction Observers
- 9 Administrative Support Staff



## MULTI-STATE EXPERIENCE WITH MIDWEST ROOTS

### OFFICE LOCATIONS

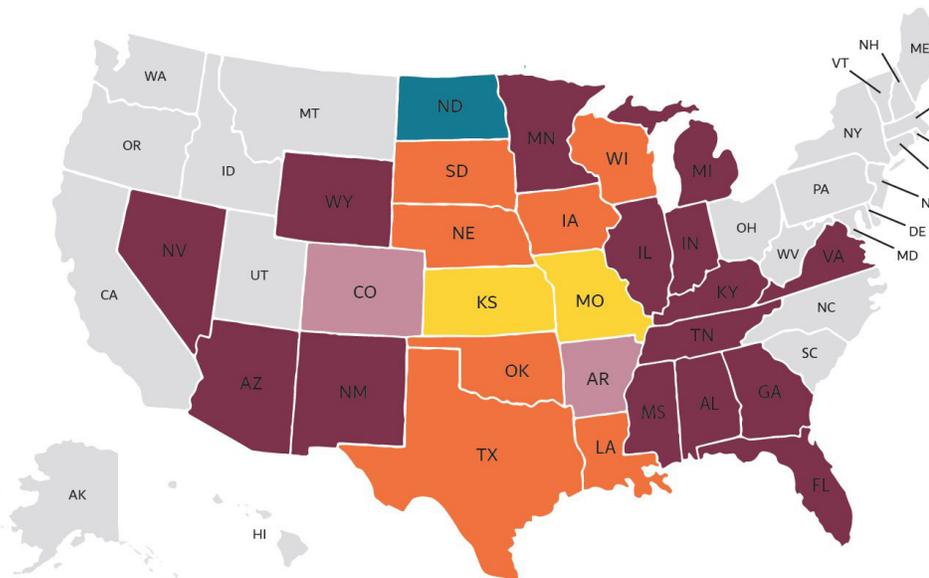
5015 NW Canal Street, #100  
Riverside, MO 64150

400 E. 17th Street  
Kansas City, MO 64108

8653 Penrose Lane  
Lenexa, KS 66219

102 Abbie Ave  
Kansas City, KS 66103

1800 Wazee St., #374  
Denver, CO 80202



- Engineering, Surveying, Landscape Architecture, and Construction Observation
- Engineering, Surveying, and Landscape Architecture

- Engineering and Surveying
- Engineering Only
- Survey Only



100% EMPLOYEE OWNED

# OUR SERVICES



STORMWATER MANAGEMENT



WATER RESOURCES



ROADWAY DESIGN



TRAFFIC ENGINEERING



WATER/WASTEWATER



LAND SURVEYING



CONSTRUCTION PHASE SERVICES



LANDSCAPE ARCHITECTURE



TRAIL DESIGN



OTHER SERVICES: COMMERCIAL DRONE | RAILROAD ENGINEERING | SITE/CIVIL DEVELOPMENT | FEDERAL



# TRAFFIC ENGINEERING & TEAP

## EFFICIENT TRAFFIC SOLUTIONS FOCUSED ON IMPROVING SAFETY AND REDUCING CONFLICTS FOR ALL USERS

RIC is focused on the advancement of transportation and prides itself on utilizing innovative yet practical solutions. Safety is always at the forefront of any traffic project and recent advances in design approaches such as Complete Streets and multi-modal considerations have been incorporated into numerous RIC projects. The RIC team has nationwide experience providing municipal, DOT, and private clients with a wide array of traffic engineering solutions. We have the experience necessary to tackle virtually any traffic engineering project.



MISSOURI ROUTE 45 & I-435 IMPROVEMENTS - PARKVILLE, MO



existing conditions

199TH STREET, RENNER ROAD TO ANTIOCH ROAD - JOHNSON COUNTY, KS



MISSION ROAD HAWK & PEDESTRIAN SIGNAL - LEAWOOD, KS



BROOKFIELD TURN LANE - BROOKFIELD, MO

## SERVICES

- ✓ Traffic Counts
- ✓ Traffic Signal Design & Improvements
- ✓ Signal Coordination and Re-Timing
- ✓ Pavement Marking & Signage
- ✓ Traffic Impact Studies
- ✓ Street Lighting
- ✓ Site Lighting
- ✓ ITS



ONE NORTH DEVELOPMENT TRAFFIC STUDY - KANSAS CITY, MO