



**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:

Burns & McDonnell Engineering Company, Inc.

Firm Contact Name:

Ronnie Williams

Contact Email
Address:

rwilliams@burnsmcd.com

Firm's Mailing Address:

9400 Ward Parkway, Kansas City, MO 64114

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 12, 2025



Ms. Ashley Buechter, PE
Local Program Administrator
Missouri Department of Transportation
1511 Missouri Blvd
Jefferson City, MO 65102

Re: On-Call Professional Services – Traffic Engineering & TEAP

Dear Ms. Buechter:

Every assignment undertaken by a local public agency (LPA) is important, and regardless of its scope or complexity, it fulfills a commitment to improving mobility and safety throughout Missouri. As a trusted partner to numerous agencies over the years, Burns & McDonnell understands the diverse range of projects delivered by local agencies in Missouri and the various professional services required to make them successful. We are pleased to express our interest in providing **on-call services for traffic engineering and TEAP** to local public agencies seeking prequalified firms.

GENERAL EXPERIENCE OF FIRM AND ACCESSIBILITY

Burns & McDonnell has provided traffic engineering services for LPAs throughout Missouri for over 30 years. We have the depth, experience and geographic diversity required to support a wide range of resource needs. Whether you need traditional design services such as signing of traffic signal projects, specialized studies or augmentation of existing staff, our professionals are ready to assist with one goal in mind: *to make our clients successful*. To fulfill this goal, we are committed to responding to the needs of Missouri’s LPAs whenever they arise. With offices located in Kansas City and St. Louis, our personnel are accessible and ready to meet agency needs around the state at any time.

PAST PERFORMANCE

Burns & McDonnell’s long-standing relationship with MoDOT includes a track record of completing high-quality projects on time and within budget. Our resume includes traffic engineering services for both on-system and off-system projects for MPOs, municipalities and private entities. Our success on the following projects demonstrates our ability to address a variety of traffic engineering assignments:

MO Route 150 Outer Roads Improvements | Grandview, Missouri – Our team designed modifications to an existing MoDOT traffic signal, as well as the addition of a continuous LED street lighting and tunnel lighting system. The existing intersection and traffic signal at Route 150 and Grand Summit Boulevard was modified to include a new intersection leg, APS signal accommodations, signal phasing and controller cabinet modifications. These modifications required the sizing of new conductors and the resizing of existing conductors, circuit breakers, and surge protection devices. A continuous lighting system consisting of approximately 20 LEDs was installed along the outer roads, and three LEDs were installed inside a pedestrian tunnel.

Marshall Junction Traffic Impact Study | Saline County, Missouri – Our team prepared a traffic impact study to evaluate the impacts of potential development on US-65 near I-70 in Saline County, Missouri. This project was used to evaluate both traffic and safety impacts of proposed access from US-65 to undeveloped land. The study determined that the relocation of an existing median access point was needed to support corridor safety and mobility. Our team worked with Saline County to prepare a successful cost-share application with MoDOT to provide funding for the construction phase of the project.

I-70/US-54 Interchange Improvements - Phase 1 | Kingdom City, Missouri – Burns & McDonnell served as the lead engineering firm for the NEPA re-evaluation of the I-70/US-54 interchange in Kingdom City. The interchange and surrounding US-54 corridor intersections were evaluated for future no-build and five alternative build conditions through a traffic safety and operations report. This study considered peak weekday and holiday peak season influences and involved data collection, existing conditions modeling and calibration, as well as alternatives analyses through Vissim microsimulation traffic modeling.

Boone I-70/US-63 Connector | Columbia, Missouri – Burns & McDonnell led the traffic modeling and analysis of the existing conditions and design alternatives for this interchange improvement. We are also providing guidance and oversight of the safety review and analysis of the area. The US-63/I-70 Access Justification Report (AJR) will cover 11 miles along the I-70 corridor and 3 miles along the US-63 corridor, in addition to the immediate area surrounding the interchange of these two major freeways in Columbia. The analysis will include the evaluation of over 30 intersections and interchanges. The goal of the project is to reevaluate the EA and prepare an AJR for review and approval by the Federal Highway Administration (FHWA). The project includes development of four primary alternatives for the redesign of the interchange and adjacent corridors. These alternatives will be narrowed down to two for final consideration before a preferred alternative is selected. The team is also helping with public meetings to provide analysis and guidance on the design alternatives.

Route AC Improvements | Missouri Department of Transportation - Burns & McDonnell is currently under contract to prepare preliminary through final plans along Route AC from 0.1 miles south of I-270 through 0.2 miles south of Route U. The project includes resurfacing, ADA improvements, and lighting and signal improvements. The Burns & McDonnell team also prioritized safety analysis along the heavily trafficked corridor, incorporating safety improvements such as a road diet, median islands, and mid-block pedestrian crossings into the project design. To complement future ADA improvements to the Route AC corridor, Burns & McDonnell's bridge rehabilitation design included replacing the existing 4-foot bridge sidewalks with 6-foot, 6-inch sidewalks while resurfacing the bridge deck. A four-part construction staging sequence was developed to maintain vehicular and pedestrian traffic as each bridge portion was reconstructed.

QUALIFICATIONS OF PERSONNEL

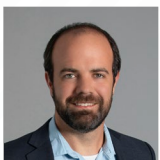
Burns & McDonnell's leadership team has worked on or managed more than 900 LPA projects throughout Missouri. Ronnie Williams will lead our team, with key support from experienced staff members, including Paul Plotas, Tim Cope, Phil Herrman, Jessica Hutton and Allison Karagiorgas. Over the years, these professionals have addressed a wide range of challenging work on behalf of LPAs across Missouri.



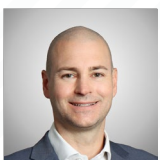
Ronnie Williams, PE, PTOE – Ronnie has 21 years of experience in the design and evaluation of all facets of roadways, from local streets to major interstates, with an extensive resume of projects focused on improving urban arterials. His recent work for MoDOT includes serving as project manager on the US-24 Highway Complete Streets project, focusing on conceptual design, traffic engineering and highway safety analysis. Ronnie has led over 500 traffic impact studies and recently completed a traffic impact study for Nucor Steel in Sedalia and a traffic impact study for a potential development at the Marshall Junction at I-70 and US-65 in the Kansas City District.



Paul Plotas, PE, PTOE – Paul brings 38 years of expertise in traffic engineering, spanning both analysis and design. He currently serves as the traffic engineering lead for the US-71 project in Kansas City, overseeing traffic analysis efforts. Throughout his career, Paul has collaborated with numerous MPOs, including the Mid-America Regional Council, and partnered with municipalities across Missouri to deliver designs for traffic signals, ITS equipment, access management, and temporary traffic control. His experience also includes conducting access studies for new developments, enhancing access to existing facilities, and leading major corridor studies and projects.



Tim Cope, PE, TE, PTOE – Tim has 10 years of traffic engineering experience, with a focus on traffic engineering studies and modeling. He served a key role in developing several AJRs for FHWA approval and was recently responsible for the US-54/I-70 and US-63/I-70 AJRs. Tim is proficient in software applications that support design and collaboration on transportation projects, including Vistro, Vissim, Sidra, Synchro, SimTraffic, Highway Capacity Software and MicroStation. Over the last five years, he has led the evaluation of more than 1,000 intersections.



Phil Herrman, PE, PTOE – Phil brings 22 years of traffic engineering experience, including several years as a traffic engineer for a Kansas City area municipality, where he routinely worked inside signal cabinets and provided troubleshooting in the field. Phil recently led the feasibility studies for retrofitting existing street lighting systems to LED systems for the City of Springfield, Missouri, and the City of Kansas City, Kansas. He also served as lead traffic engineer on the Leavenworth Road project in Kansas City, Kansas,

where he designed a continuous street lighting system, new traffic signal and improvements to an existing traffic signal system.



Jessica Hutton, PE, RSP1 – Jessica’s experience includes two years as a MoDOT traffic studies engineer, 16 years as a traffic safety researcher, and three years as a consultant, helping agencies develop and implement safety plans and projects. She has led studies to evaluate countermeasure effectiveness for numerous treatments and has played a key role in several projects that have been or will be incorporated into the *Highway Safety Manual*. Her areas of focus include intersections, bicycle and pedestrian safety, and systemic safety analysis.



Allison Karagiorgas, PE, PTOE – Allison has 12 years of experience and serves as Burns & McDonnell’s lead highway safety modeler. She gained valuable experience as a traffic studies specialist for MoDOT’s NW District, where she focused on highway safety, traffic modeling and coordination with construction contractors. Allison leveraged MoDOT TMS data to complete complex crash models for the I-44 Project Bridge Rebuild Project and I-229 Concept Study. Additionally, she has served as a task lead for signal, signing, striping, maintenance of traffic and safety projects.

FAMILIARITY/CAPABILITY

Our team brings a strong familiarity with federal compliance and an understanding of what is required to successfully deliver federally funded projects. We have significant experience working in partnership with FHWA and other regulatory agencies, including support of AJRs, the NEPA process, and the preparation of permitting applications. We are well-versed in major traffic engineering software packages, including Synchro, Sidra, Highway Capacity Software, Vissim, SignCAD and GuideSign.

STAFF CERTIFIED IN MANAGING LPA PROJECTS

Managing projects to improve the transportation system is just one of the many daily activities that local project sponsors must address. Keeping up to date on all requirements for the use of federal funds on transportation projects is a core function for our project managers who work across all modes of the transportation system. The following Burns & McDonnell employees have received Local Project Certification from MoDOT:

Employee	Areas of Emphasis
Ronnie Williams, PE, PTOE	Road design, sidewalks and trails, traffic
Jason Meyers, PE	Road design, sidewalks and trails, hydraulics, traffic
Seth Gilliam, PE	Road design, intersection design, traffic

OUR COMMITMENT TO LOCAL PUBLIC AGENCIES

Burns & McDonnell is committed to providing local public agencies with experienced professionals who bring a strong history of service to our clients, knowledge of both federal and state requirements, and the range of skills needed to make each project successful. We look forward to building on our long-standing relationships by providing on-call services for traffic engineering and TEAP to LPAs across Missouri.

Sincerely,


Agnes Otto, LEED AP
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2025

Global Profile

At Burns & McDonnell, our engineers, architects, construction professionals, scientists, and consultants do more than simply plan, design and construct. With a mission unchanged since 1898 — make our clients successful — our team partners with you to take on the toughest challenges, constantly working to make the world an even more amazing place.



The Burns & McDonnell Difference

True partnerships lead to successful projects. At Burns & McDonnell, we dedicate experienced and innovative leaders to your work, beyond the specific needs of a particular job. We build long-term relationships as our professionals become valued extensions of your own teams.

History

We've grown since two Stanford University graduates set out for the American Midwest, earned 13 cents in their first three years and designed a water and energy plant for a small town in Kansas.

Our firm continues building strength from that legacy born in 1898. Clinton S. Burns and Robert E. McDonnell set up in Kansas City, Missouri, where they could reach the most communities needing water and energy within a day's travel by train. Their enterprise soon branched into transportation, energy transmission, and military and federal projects. Soon came experience in architecture, aviation, technology, environmental services, manufacturing and process design. Today we're a \$7.4 billion firm with offices worldwide, and our first client — Iola, Kansas — remains a repeat and ongoing partner.

Community

As employee-owners, we embrace our responsibility to give back to our communities. We nourish the communities where we live and work to become healthy and strong. We share our collective passion by giving financially and investing our time and talents. From fundraising walks and community cleanups to educational outreach and one-on-one mentoring — especially when it comes to sharing our passion for STEM projects — our employee-owners work to make our communities successful.

Culture

Burns & McDonnell is 100% employee-owned, and that promotes the integrated teamwork that generates success. As owners ourselves, we understand what your project means to you, and we are willing to do whatever it takes to deliver what you need, when you need it and beyond.

SERVICES

- 1898 & Co.: Business & Technology Consulting
- Architecture
- Commissioning
- Construction
- Engineering
- Operations & Maintenance
- Program Management
- Project Management Office (PMO)

AMONG TOP

5%

SAFETY PERFORMANCE

TOP

5%

DESIGN FIRMS

75+

OFFICES WORLDWIDE

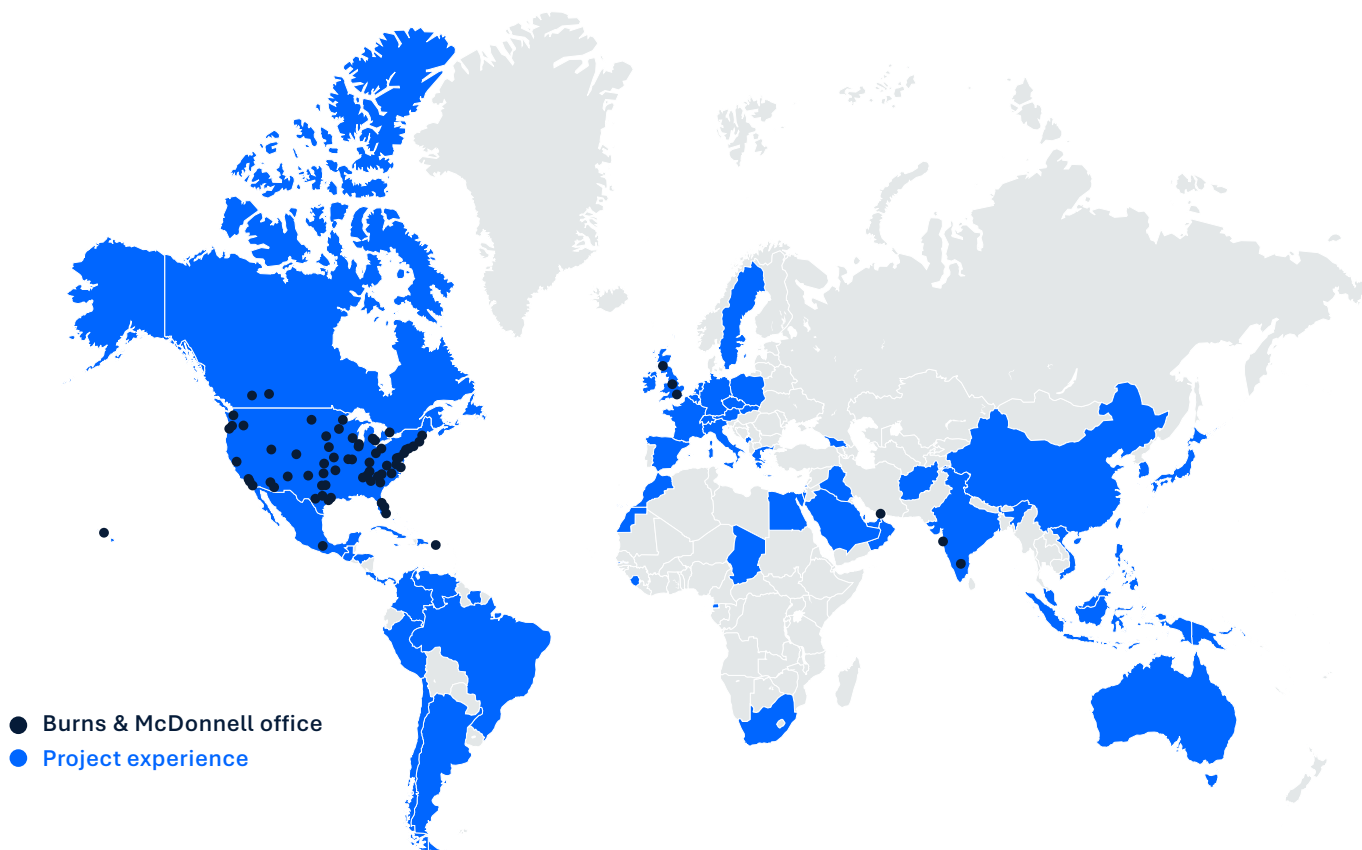
90%+

REPEAT BUSINESS

100%

EMPLOYEE-OWNED





INDUSTRIES WE SERVE

Aviation

A lot happens before the aircraft is in the air. Our aviation industry experience includes every facility, every service that touches your commercial or private operation.

Commercial, Retail & Institutional

Your competitive markets make seamless planning, design and construction critical to project success. Our agile, integrated teams bring your vision to life.

Construction

Whatever you're building, and wherever you're building it, our construction teams take your project through to the finish, delivering a safe and efficient project site.

Data Centers & Critical Services

Data centers must be resilient, high-performing, energy-efficient, flexible, scalable and reliable. Our integrated approach develops innovative, optimized solutions to keep critical information flowing.

Environmental

From investigations and remediation to compliance and permitting, we stay on top of regulations and environmental project needs to help determine your most effective, cost-efficient and sustainable environmental solutions.

Government, Military & Municipal

Public projects demand public trust. Our responsive solutions meet and exceed expectations on projects from basic infrastructure to government offices and military bases.

Manufacturing & Industrial

Through understanding the complexities of your business, we bring you better ways to control costs, optimize systems and processes, and deliver results.

Oil, Gas & Chemical

To handle changing markets, regulations and infrastructure needs, our solutions deliver efficient, resilient projects — oil fields, refineries, storage terminals and everything in between.

Power

Reliable, sustainable power is essential. From generation to delivery, we help you forge the future with solutions that build your business.

Telecommunications

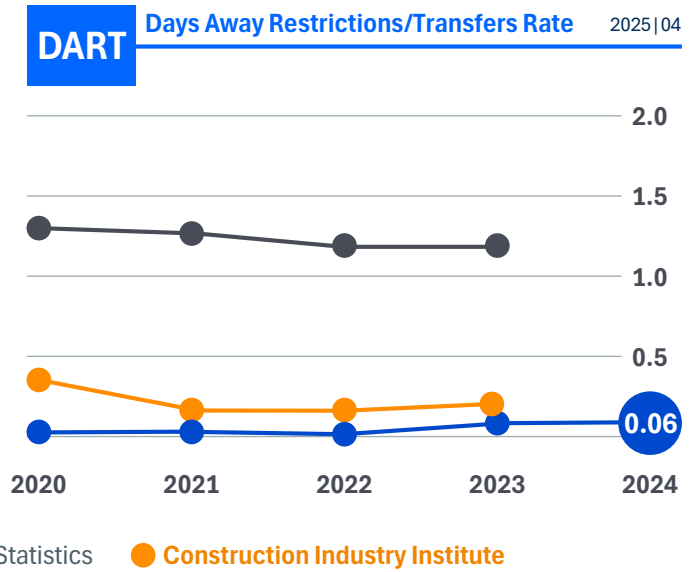
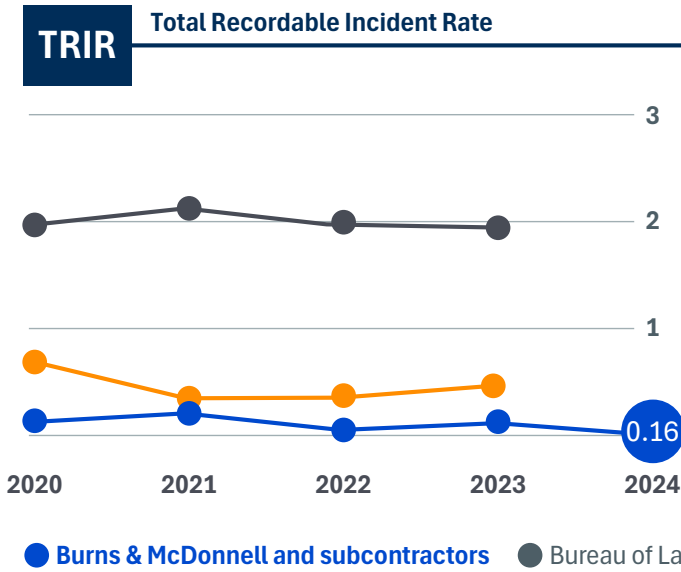
In this rapidly evolving field, we connect the right people, knowledge and systems to put you on the road to successful communications networks that move you forward.

Transportation

Infrastructure drives economic growth. Our planning, design and construction experience enables you to keep traffic flowing while saving time and money.

Water

Our water treatment, supply and systems solutions evolve with the ever-changing needs of communities and industries.



We hold our contractors accountable to the same safety standards we hold for ourselves. Because of this, our recordable incident rate includes our subcontractors and is consistently well below the Bureau of Labor Statistics and the Construction Industry Institute (CII) contractor averages.

Combined employee-owner and subcontractor data

Safety & Health

Safety isn't just a metric — it's an ingrained cultural value we view as a deliverable like design and construction. By integrating a Corporate Safety & Health Program with our project processes, we actively seek and implement safe work practices. As a result, our safety performance is consistently better than the industry average, placing us among the top 5% of safest architecture, engineering and construction firms.

Every project we complete operates with the safety philosophy that zero recordable incidents can be accomplished with proper planning, resources and follow-through.

Our project safety records demonstrate the success of this approach. Our Days Away Restrictions or Transfers (DART) rate and Total Recordable Incident Rate (TRIR) safety statistics are considerably better than industry standards set by the Construction Industry Institute and the U.S. Bureau of Labor Statistics.

Although it is not an OSHA requirement, we are one of the few firms to include subcontractors in our safety statistics. We choose to do this because our safety commitment goes beyond reporting the numbers. It is our intrinsic expectation that everyone working

on a project — our employee-owners and those who work with our partners — goes home safe to their families every night.

Rankings and Recognition

Our ownership culture helps drive amazing services for clients. We're proud others recognize that too, ranking us among the nation's leading engineering, design and construction firms in multiple industries.

[View Current Industry Rankings](#)

