



**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

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

Re: LPA On-Call Professional Services – Roadway Design

Dear Ms. Buechter:

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

PREQUALIFICATION AND GENERAL EXPERIENCE OF FIRM

As a current MoDOT-prequalified firm, Burns & McDonnell is proud to be the largest engineering firm in Missouri, employing more than 5,000 people within the state. With more than 12,000 employee-owners worldwide, we bring the depth and experience needed to support a wide range of projects and resource needs, including traditional bridge design, specialized studies in hydraulics or safety, conceptual or planning-level studies, support in project delivery innovation, or augmentation of your existing staff.

Our Missouri-based transportation team, strategically located in Kansas City, St. Louis and Springdale, Arkansas, has provided infrastructure design services for LPAs throughout the state of Missouri for over 30 years. We bring a wide range of roadway design experience, including the widening of existing facilities, pavement reconstruction, and projects that improve corridor mobility, such as lane additions and multi-modal improvements. Our team is well-versed in the requirements of the MoDOT EPG, encompassing both project development requirements and the necessary CAD standards and specifications. We work exclusively in a 3D design environment, which results in more accurate designs and cost estimates.

PAST PERFORMANCE

Our resume includes roadway design services for both on-system and off-system projects across the state for cities, counties, MPOs, MoDOT and private entities. The following projects demonstrate our ability to address a wide variety of roadway design assignments:

US-54/I-70 Interchange Study and Design | Callaway County, Missouri—Improving traffic flow and addressing safety concerns at the US-54/I-70 Kingdom City Interchange are top regional priorities for Callaway County. Our team’s early project efforts included a detailed traffic safety and operations study (TS&O Report) that documented existing congestion, traffic safety metrics and assessment of future travel demand requirements. Our roadway design team, working in conjunction with MoDOT and the Kingdom City Advisory Group, explored a range of both interchange and local roadway improvements to improve traffic flow and enhance traveler safety. MoDOT adopted the interchange study recommendations, including conversion of the interchange to a diverging diamond, adding ramp length and tapers, and modifying portions of the local roadway network to mitigate congestion on US-54 at Janice Avenue. Preliminary design efforts are underway.

Big Bend Bridge over I-44 | St. Louis County, Missouri—Burns & McDonnell prepared preliminary and final bridge and roadway design plans for replacing the Big Bend Bridge over I-44. The project included coordination with MoDOT to increase turn-lane capacity at the ramp connections on Big Bend and address drainage concerns along I-44. The work involved a detailed traffic control plan that allowed

movements on the interchange ramps to continue while Big Bend was closed to through-traffic for bridge replacement. The traffic control plan maintained three lanes of traffic in each direction of I-44 during the construction period.

US-65 and I-70 Outer Roadway Improvements | Saline County, Missouri—Burns & McDonnell led a design team as the prime consultant for roadway and intersection improvements in Marshall Junction, Missouri. The project involved adding auxiliary acceleration and deceleration lanes along US-65, extending the US-65 west and east outer roads, and relocating the existing 116th Road intersection farther to the south. Additionally, Burns & McDonnell was responsible for designing new drainage structures, providing erosion control measures, laying out traffic control measures, and detailing new intersection signage.

24 Highway Improvements | Independence, Missouri—24 Highway is a major east-west roadway in the Kansas City area, and a recent road safety audit indicated that it has one of the highest roadway crash rates in the metro. As a result of this study, and through partnership with the City of Independence, our team designed improvements to a 4.5-mile segment between Wilson Road and 291 Highway. The project includes multimodal enhancements, an enclosed storm sewer system, intersection improvements, continuous street lighting, and the addition of turn lanes at key locations within the corridor.



I-70 Expansion | Boonville to Rocheport, Missouri—Spanning from west of Route 5 to west of the Rocheport Bridge, this project will modernize and expand a 12-mile segment of I-70. The project will add a third lane of travel in both directions through the project limits, modernize existing pavement and bridge infrastructure, and minimize impacts on the traveling public through effective communication and construction staging that promotes safety and mobility. Key design features include widening the roadway from four lanes to six lanes, providing improved pavement, and replacing Bridge A0153 over the UPRR, while working to meet MoDOT's goal of staying within the existing right-of-way (ROW). Additional considerations involve evaluating potential lengthened auxiliary lanes at existing interchange entrance and exit ramps, as well as replacing guardrails to reduce congestion and enhance safety, while updating signing and pavement markings. The project includes a cost share with the City of Boonville to add a roundabout at the intersection of Route B and Americana Drive.



Route AC and Route D ADA Projects | St. Louis County, Missouri—Burns & McDonnell is currently under contract to prepare preliminary through final plans along Routes AC and D for the MoDOT St. Louis District. The Route AC project includes resurfacing, ADA improvements, and lighting and signal improvements, while the Route D project includes ADA improvements, lighting, and signal improvements. The Burns & McDonnell team conducted an in-depth safety analysis along the heavily trafficked corridors, including an evaluation of a road diet, the adoption of median islands, and the installation of pedestrian crossings.

US-169/I-70 North Loop PEL Study | Kansas City, Missouri— Burns & McDonnell led the planning and environmental linkages (PEL) study for the US-169/I-70 North Loop in Kansas City, Missouri. The study provided alternatives for rehabilitating or replacing the aging Broadway Bridge over the Missouri River and accelerating future NEPA activities. It also considered major changes to the downtown freeway loop and ways the transportation network would support development and revitalization in the area. The team was responsible for engaging the community, analyzing alternatives and developing a strategic plan for incremental improvements to the transportation infrastructure within the study area. Specific activities included an engagement plan tailored to the area's residents, businesses and commuters; development and analysis of conceptual designs for the bridge and downtown loop; and development of a dynamic traffic assignment (DTA) model that represents the existing roadway infrastructure.



QUALIFICATIONS OF PERSONNEL

Burns & McDonnell's leadership team has worked on or managed more than 900 LPA projects throughout Missouri. We have a deep bench of staff across all disciplines, and other staff will be assigned, as needed, to complete any on-call assignments in a timely manner. The following key personnel will focus on LPA on-call roadway design needs:



Ronnie Williams, PE, PTOE—Ronnie has 21 years of experience in the design 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 includes serving as project manager on the I-44 Project Bridge Rebuild owner's engineer team, where he focused on conceptual design, traffic and safety reviews. Ronnie is currently serving as project manager for the 24 Highway Improvements project in Independence.



Allison Bruner, PE—Allison's experience in roadway design includes geometric layouts (MoDOT SE District I-55, US-61 and Route 74 Interchange Improvements; Cape Girardeau County, Missouri), safety improvements (MoDOT SW District Route 65 Safety Study; Taney & Christian Counties) and a focus on ADA compliance (MoDOT KC District Route 92 Sidewalk Improvements; Kearney, Missouri). She is the consultant project manager for designing the nearby ADA transition projects on Route AC (J6S3569) and Route D (JSL0186) in St. Louis County.

FAMILIARITY/CAPABILITY

Our team is highly familiar with federal compliance and understands the requirements for successfully delivering federally funded projects. We have significant experience working in partnership with the FHWA and other regulatory agencies, including supporting access justification reports, the NEPA process, and permitting applications.

ACCESSIBILITY & 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 roadway design to LPAs across Missouri.

We look forward to building on our long-standing relationship with LPA agencies by continuing to provide on-call roadway design services over the next three years and beyond.

Sincerely,

Agnes Otto, LEED AP
Transportation Director
816-276-1502
aaotto@burnsmcd.com

Ronnie Williams, PE, PTOE
Project Manager
816-363-7231
rwilliams@burnsmcd.com



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

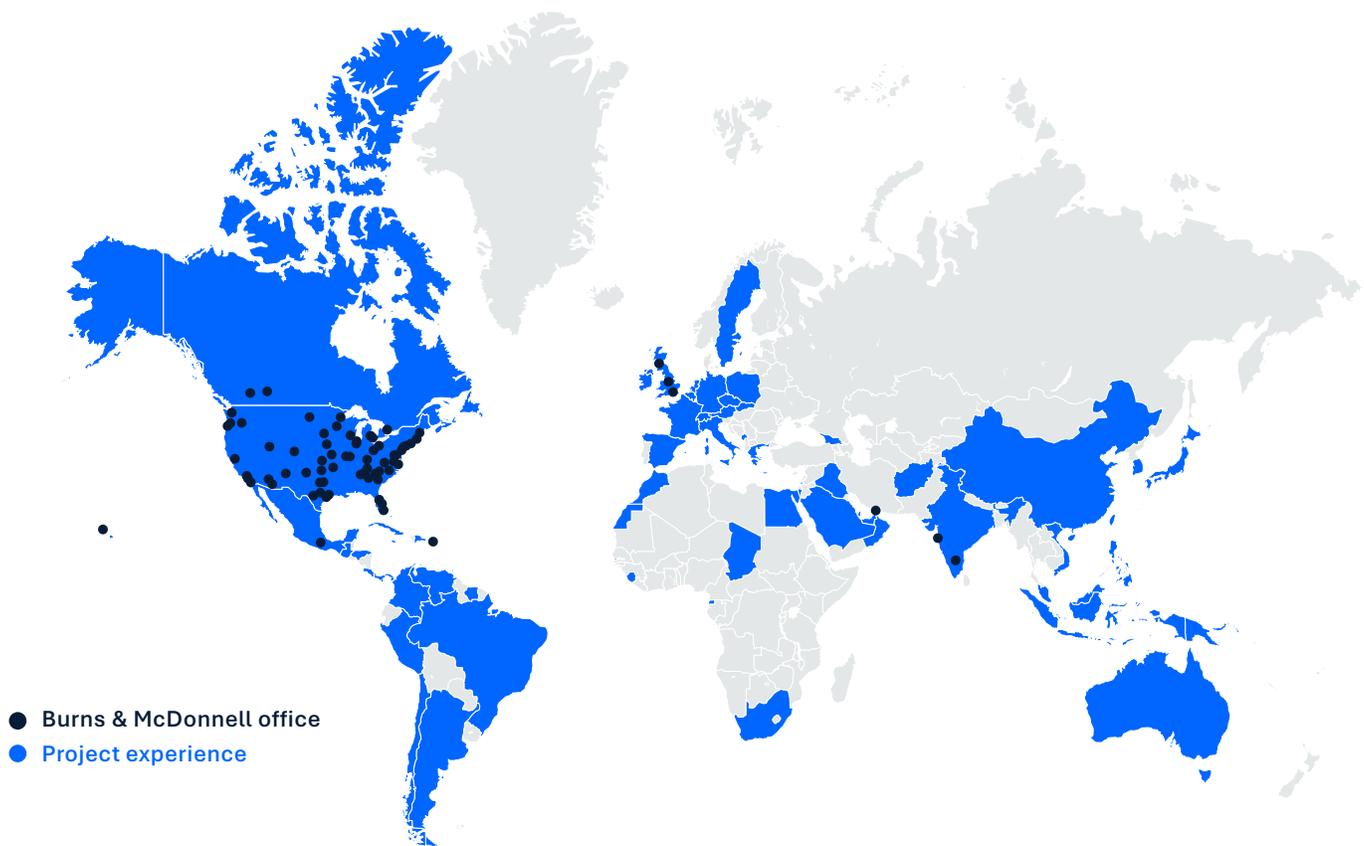
90%+

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

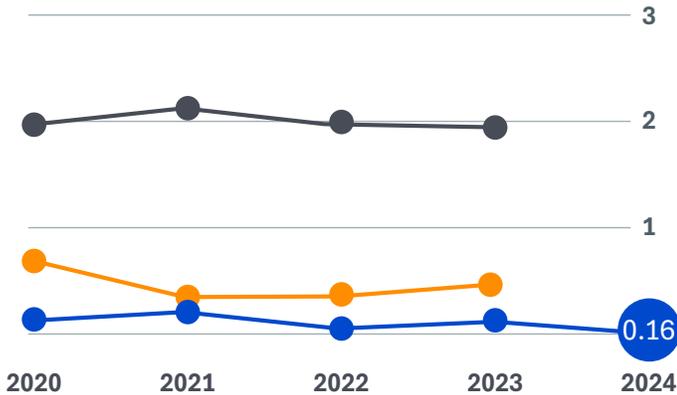
Infrastructure drives economic growth. Our planning, design and construction experience enables you to keep traffic flowing while saving time and money.

Water

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

TRIR

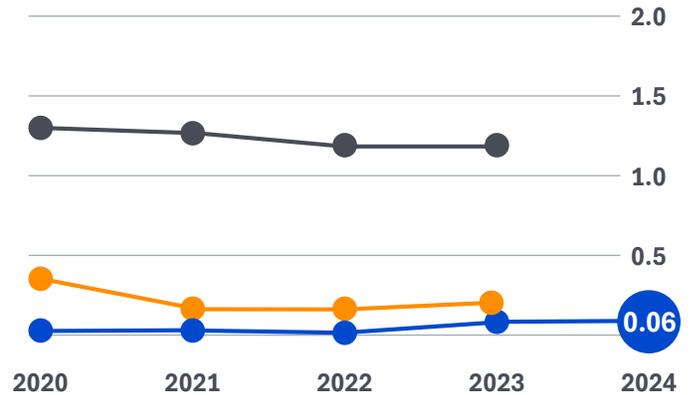
Total Recordable Incident Rate



DART

Days Away Restrictions/Transfers Rate

2025|04



● Burns & McDonnell and subcontractors ● Bureau of Labor Statistics ● Construction Industry Institute

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](#)

