

November 15, 2013



Kenny Voss, PE
Local Program Administrator
Missouri Department of Transportation
105 West Capitol Avenue
P.O. Box 270
Jefferson City, Missouri 65102

Re: LPA On-call Professional Services – Structures

Dear Mr. Voss:

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 and the many different professional services required to make them successful. We are pleased to express our interest in providing **on-call services for structures** to local public agencies seeking pre-qualified firms.

Experience and Depth for a Variety of Project Needs

Burns & McDonnell is proud to be the largest engineering firm in the state of Missouri. With more than 4,000 engineers, planners, designers and technologists nationwide, we bring the depth, experience and geographic diversity required to support a wide range of resource needs. Whether you need traditional design services, specialized studies or augmentation of your existing staff, our professionals are ready to assist with one goal in mind: *to make our Clients successful.*

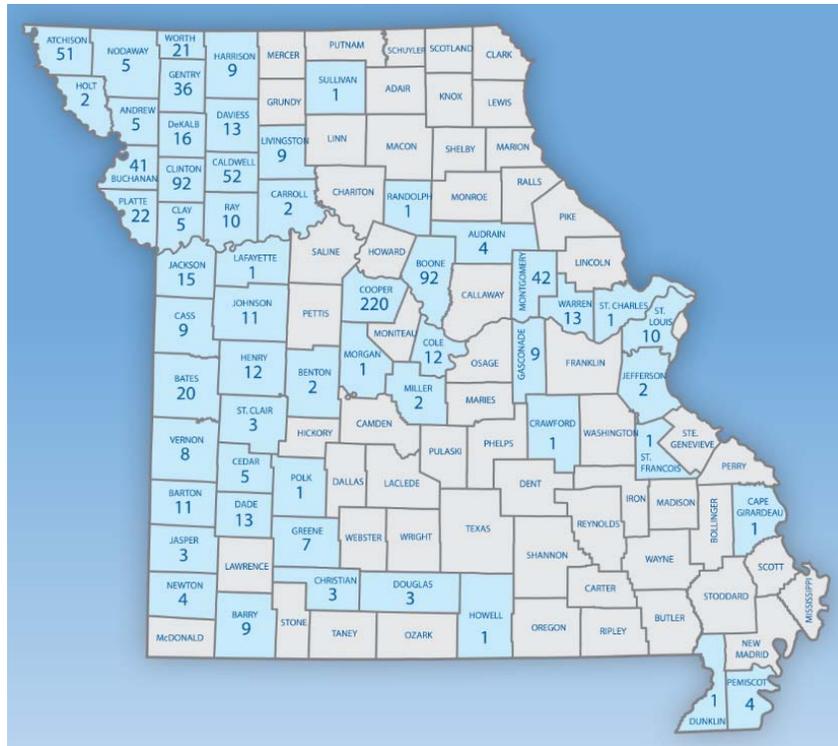
To fulfill this goal, we are committed to responding to the needs of Missouri's LPAs whenever they arise. We know this work does not always occur between the hours of 8 and 5 on Monday through Friday, but with offices strategically located in Kansas City and St. Louis, our engineers and technicians are accessible and ready to meet agency needs around the state at any time. We demonstrated this level of commitment over the Memorial Day Weekend, when MoDOT called on our team for emergency bridge replacement services on Scott County Route M. The bridge was struck on Friday, and we received MoDOT's call on Saturday. Our team was on site and ready to begin work as soon as the area was cleared and safe the following Tuesday.



Familiarity and Capability with Structures

The LPAs across Missouri are extremely varied from rural counties with small populations and simple needs to large metropolitan areas with complex needs and requirements. The ability to understand and determine a structure type that will meet a client's needs, criteria and budget can be as much of an art as a science. The structure type and size is affected by multiple factors, including right-of-way acquisition, environmental constraints, material costs and availability. Current rolling periods of steel girders or the size of pre-stressed concrete girders may impact a structure type as much as the need to keep a bent out of a channel or maintain clearances to various obstacles and cultural resource sites.

Our ability to provide design services for a myriad of projects with LPAs and MoDOT Districts is illustrated by the map below, which represents our experience throughout the state of Missouri. Nearly a third of these projects involved the use of BRO, FEMA or CDBG funds or Soft Match credits.



Past Performance

Burns & McDonnell is proud of our previous accomplishments with structures and bridge projects. Our work has provided vital connections in numerous Missouri communities and includes these recently completed projects:

- **Old Route K over Hinkson Creek (Columbia, MO)** - This federally funded project is located on the south side of the University of Missouri campus and connects the campus to Epple Field and the Mizzou Tennis Complex. The two-span structure provides a sidewalk, pedestrian bikeway, and connection to a local trail system, and it will accommodate future widening of Old Route K. Opened to traffic in fall 2010.
- **Bridge 36900261 (Ray County, MO)** - This BRO project is a three-span structure located in the flood plain of the Fishing River and backwaters of the Missouri River. High water flows, shallow structure depth, tight horizontal constraints and connection to Route O were some of the factors involved in the design and development of the plans and specifications for this structure. Opened to traffic in July 2013.
- **Bridge 02900271 (Caldwell County, MO)** - This BRO project is a new single-span structure located in rural Missouri that provides access to the surrounding area for local farmers. Services included coordination with utilities, environmental permits and maintenance of a driveway entrance and mail service during construction. Opened to traffic in June 2013.
- **Eastern Outer Road (Desloge, MO)** - This STP project consisted of a five-span structure over the Flat River. Services included bridge design, detailing, environmental clearances, right-of-way plans and construction management. Opened to traffic in November 2013.

Qualifications of Personnel

Burns & McDonnell's leadership team has worked on or managed more than 900 LPA projects throughout Missouri. Mark Huck and Jeff Mues will lead our team, with key support from experienced staff members,

including Dennis Koscielski, Jerry Stevenson and Kevin Heffern. Over the years, these professionals have addressed a wide range of challenging work on behalf of various LPAs across Missouri.

Mark Huck, PE - Mark is a project manager with more than 25 years of experience in county bridge engineering and MoDOT projects. He has made several presentations to the County Commissioners Association of Missouri on BRO and Soft Match credit funding, practical design and bridge inspections. Mark has been involved in all aspects of the BRO Program, from working with MoDOT on design criteria to plan development on more than 200 projects, including construction observation, paperwork and invoicing.

Jeff Mues, PE, ENV SP - Jeff is an associate engineer who has successfully managed projects for MoDOT, St. Louis County, Jefferson County and several local municipalities. His experience includes hydraulic design, roadway geometrics, trail design, stormwater permitting, cost estimating, traffic control, grading, and ADA facility design.

Dennis Koscielski, PE, ENV SP - Dennis is a project manager with 18 years of experience in transportation engineering. He has completed MoDOT and LPA projects across Missouri, including a recent LPA project for the City of Desloge, which included pedestrian facilities. Dennis performed planning, engineering and construction management for the project.

Jerry Stevenson, PE - Jerry is a structural engineer with 20 years of experience in bridge engineering and construction observation on more than 120 structures for both LPAs and MoDOT.

Kevin Heffern, PE - Kevin is a structural engineer with 11 years of experience in bridge engineering on more than 30 structures in the St. Louis area for both LPAs and MoDOT.

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	Area of Emphasis
Ron Schikevitz, PE, PTOE	Road design, sidewalks and trails, traffic
Dennis Koscielski, PE	Road design, sidewalks and trails, construction administration
Jason Meyers, PE, LEED AP	Road design, sidewalks and trails
Kim Curry, PE	Road design, traffic
Mark Huck, PE	Structural design and construction administration
Jerry Stevenson, PE	Structural design and construction administration

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 projects successful. We look forward to building on our long-standing relationships by providing on-call services for structures to local public agencies across the state.

Sincerely,



Mark Huck, PE
Project Manager, Kansas City



Jeff Mues, PE
Transportation Practice Leader, St. Louis



Burns & McDonnell Engineering Company, Inc.

FOUNDED IN
1898

100%
EMPLOYEE-
OWNED

4,300
PROFESSIONALS

TOP
5%
TOP 500 DESIGN FIRMS

MORE THAN
30
OFFICES

Founded in 1898 to provide engineering services to municipalities preparing to face a new century, Burns & McDonnell has become an internationally recognized engineering and consulting firm with offices worldwide. Today, the firm is ranked in the upper 5 percent of *Engineering News-Record's* Top 500 Design Firms and upper 25 percent of Top 200 Environmental Firms. Burns & McDonnell has more than 4,300 employee-owners, including professional engineers, planners, architects, economists and environmental scientists, representing virtually all design disciplines. Our global practices include:

- Aviation & Federal
- Business & Technology Services
- Construction/Design-Build
- Energy
- Environmental
- Environmental Studies & Permitting
- Global Facilities
- Process & Industrial
- Transmission & Distribution
- Transportation
- Water

EMPLOYEE OWNERSHIP

Since 1986, Burns & McDonnell has been 100% employee-owned and led by a board of directors that practices a management philosophy grounded in participation and attention to client and employee matters. This philosophy is the foundation for the firm's continued success and has led to a corporate culture of thinking and acting as owners, as reflected in our mission statement: *Make Our Clients Successful*. The ESOP Association named Burns & McDonnell the 2012 Employee-Owned Company of the Year, and the firm is ranked first among the Kansas City Business Journal's Best Places to Work and 18th on FORTUNE's 2012 list of 100 Best Companies to Work For.

CLIENT SATISFACTION

For the third straight year, Burns & McDonnell is the proud winner of the Premier Award for Client Satisfaction from the Professional Services Management Journal, which is based on client surveys. Burns & McDonnell was one of only five AEC industry honorees for 2012. The firm's Net Promoter Score, which measures client willingness to refer a firm, was 81, compared to the AEC industry average of 56.

QUALITY CONTROL

Realizing the importance of providing quality services for our clients, Burns & McDonnell has established a six-step quality control program in which an independent quality control team reviews the design throughout the life of the project. We also utilize a custom documentation system to record and document quality control throughout the project.

ON-TIME DELIVERY

At Burns & McDonnell, we understand your need to maintain your project schedule. In the words of one client: *“The project for which we contracted was completed on time and within the budget despite difficulties by us (the client) to provide the necessary inputs and guidance in a timely manner.”*

RELIABLE COST ESTIMATES

With every design project, we are conscious of budget control. We understand that many of our clients have budgetary restrictions and funding challenges. That’s why Burns & McDonnell has developed a computerized management system to help keep projects within budget. Using historical cost data and current pricing trends, we can provide you with accurate cost estimates from the concept phase through construction.

SUSTAINABILITY

Sustainability has always been a part of Burns & McDonnell’s culture. With our founding in 1898, we began providing communities with access to clean, safe water supplies. Today, our engineers, architects, construction management professionals, scientists and technologists deliver sustainable solutions across a wide range of industries and geographic markets.

Burns & McDonnell is a member of the U.S. Green Building Council, and more than 250 of our employee-owners have achieved Leadership in Energy and Environmental Design (LEED®) accredited professional status. We are also a Charter Member of the Institute for Sustainable Infrastructure (ISI) and one of only two firms in North America to have more than 100 practitioners credentialed as Envision™ Sustainability Professionals (ENV SPs). Envision™ provides a standardized framework and third-party verification process for measuring sustainability in infrastructure projects. It has been developed through a partnership of ISI – which was founded by the American Society of Civil Engineers, the American Council of Engineering Companies, and the American Public Works Association – and the Zofnass Program for Sustainable Infrastructure at Harvard University Graduate School of Design.

DIVERSITY

Burns & McDonnell is committed to the development of a diverse workforce. We employ full-time specialists in supplier diversity, and we recruit regularly at Historically Black Colleges and Universities/Minority Institutions (HBCU/MI), including partnerships with Lincoln University, Clark Atlanta University and Donnelly College. Our manager of supplier diversity has attended MoDOT commission meetings and DBE mixers and is leading our corporate strategy to support a diverse workforce both internally and within our vendor community.

Burns & McDonnell is also actively affiliated with organizations throughout the country that provide a positive impact on diverse business entrepreneurship. When a specific project is identified, we focus additional attention in the local region to provide maximum opportunities for diverse businesses to successfully participate. This effort may include conducting workshops, working with diverse chambers, councils and business development organizations, or other activities that promote project awareness, such as newspaper advertisements in both mainstream and diverse media outlets and one-on-one meetings. This outreach helps us meet or exceed our project requirements and the business development objectives of our clients.

Our Mission Statement is to
“Make
our clients
successful.”



Boschert Greenway
St. Charles, Missouri

Our Transportation Services



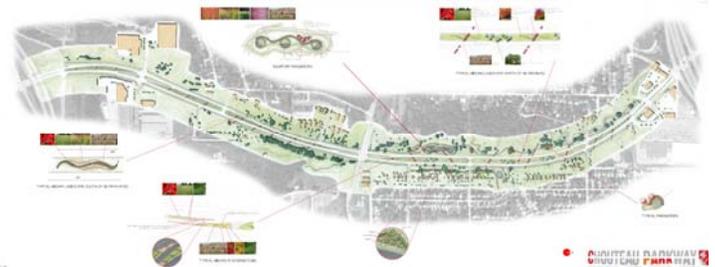
96th and 108th Street Interchanges at U.S. 169
Kansas City, Missouri

HIGHWAYS

Connecting communities with safe and efficient highway systems is crucial to economic vitality. Whether it involves rehabilitation or enhancement of existing infrastructure or development of entirely new connections, Burns & McDonnell has the capacity to address your needs. Our teams identify project milestones and set priorities to keep projects on schedule, within budget and up to the standards you expect. Our experience includes designing the 96th and 108th Street Interchanges at U.S. 169 for the City of Kansas City and MoDOT. This \$22 million dollar project was completed with a fast track design and included a wide variety of design requirements, including structures, roadway, aesthetic requirements and pedestrian accommodations that needed to be coordinated with both clients to match their project needs and budgetary restrictions.

STREETS AND ARTERIALS

Arterial roads and major streets play a critical role in getting people where they need to go safely and with minimal disruption. When it comes to working with numerous intersections, multiple property owners and utility companies, no detail is too small for Burns & McDonnell's project teams. Our work on the Chouteau Parkway, which is currently under construction, highlights the attention to detail and coordination needed to deliver a complex urban arterial improvement. Our team successfully addressed multiple demanding requirements on this project, including right-of-way acquisition, environmental constraints and traffic management during construction.



Chouteau Parkway
Kansas City, Missouri



Little Blue Parkway
Kansas City, Missouri

TRAFFIC ENGINEERING AND TEAP

As communities change, their transportation system needs to change as well. Changes to traffic patterns may require evaluation and adjustments to traffic signals and timing. Other changes may be needed as areas become more residential and pedestrian traffic increases along busy roads.

At Burns & McDonnell, we tailor a specific list of project activities for these evolving conditions and prepare a range of solutions to meet those needs.

TRAILS AND SIDEWALKS

Trails and sidewalks provide a vital link in the transportation system. A well-planned and designed trail or sidewalk provides interest, enhances safety streetscapes and offers people different modes of transportation. Burns & McDonnell has delivered trails and sidewalk improvements that provide valuable transportation options throughout Missouri, including the Boschert Greenway Trail in St. Charles, which received recognition for outstanding design by the American Consulting Engineers Council.



Manchester Avenue Streetscape
St. Louis, Missouri

In the past 25 years, Burns & McDonnell has completed plans and specifications for more than 900 bridge projects for LPAs across Missouri.

BRIDGES & STRUCTURES

Burns & McDonnell's bridge team has provided engineering services on hundreds of bridge replacement projects for a wide variety of clients, including state departments of transportation, counties, cities and contractors. Our clients return to us again and again because of our responsiveness, comprehensive design services and accurate construction documents.

Our bridge design and construction management services include a variety of bridge types, from single and multiple-span to truss, lift span, floating and movable bridges, as well as accelerated bridge construction techniques.

Our design team has applied their skills on a wide variety of clients and bridge types, but we specialize in bridges that are needed to cross the creeks, streams and rivers of Missouri. Since the federally funded bridge replacement program began in the early 1980s, Burns & McDonnell has designed more than 900 county bridges throughout the state. We are focused on delivering economical and safe designs that allow our clients to use their limited resources and maximize the opportunity to improve the transportation system.

CONSTRUCTION INSPECTION

Burns & McDonnell supports the construction process from day one right up to the ribbon-cutting. Our professionals have extensive experience serving as the "owner's representative" during the project construction phase.

The owner's project-specific requirements are our top priority, and we make every effort to provide more than is expected from us while meeting exacting standards. In addition to making sure that the owner is well represented during construction operations, an equal focus is placed on ensuring contract compliance with all federal and state requirements.



Rosehill Bridge over Big Creek
Johnson County, Missouri



King Hill Road
Buchanan County, Missouri