



**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: BG Consultants, Inc.

Firm Contact Name:

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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**



# ROADWAY DESIGN

Transportation engineering has been a staple of BG Consultants since 1976. As a recognized transportation engineering leader in the Region, we have helped city, county, and state agencies, as well as private developers design, repair, and maintain their vital infrastructure. We greatly enjoy working with our clients and have a track record of meeting project deadlines. As most projects encounter the inevitable twists and turns throughout the design and construction process, having a consultant you can depend on is especially important. BG Consultants understands the importance of keeping a close eye on project schedules and costs as the project develops from preliminary design to construction.

In the face of increasing demand created by aging roadways and bridges combined with funding limitations, communities trust our team to deliver innovative and cost-saving solutions that minimize impacts to the environment and neighboring properties. Keeping your long-term success in mind, we'll help you analyze the worth of your existing infrastructure and formulate plans to maximize its service life. Throughout the design and construction process, we'll partner with you to communicate with the public, identify funding sources, and plan for the long-term management of your assets. Innovation, experience, and commitment—we have what it takes to deliver quality and cost-effective transportation designs.



**Integrated Design In-House**



**Proven On Call Experience**



**Local & Regional Understanding**

Our MoDOT On Call team will be led by Jason Hoskinson, PE, who brings over 20 years of experience and leads the Transportation and Traffic Engineering division of BG Consultants. Jason will serve as the primary point of contact, ensuring responsive communication, quality assurance, and alignment with MoDOT's objectives.



## JASON HOSKINSON, PE, PTOE

Project Manager | 25 Years of Experience

*Jason brings to the table a wealth of knowledge from his experience designing innovative solutions to complicated problems and managing complex projects from conception through construction.*



## DIANE ROSEBAUGH, PE, MSCE

Project Engineer | 16 Years of Experience

*Diane has gained knowledge and experience using Power Geopak in Microstation and the Department of Transportation design standards. She is recognized for her attention to detail, organizational skills, and her drive to succeed.*



## AARON CASTRO, PE

Project Engineer | 17 Years of Experience

*Aaron offers civil infrastructure engineering experience, primarily in Water Resources and Municipal Transportation. He is an effective and organized leader who prioritizes developing people and communicates well with internal and external stakeholders to deliver value for clients.*



## MATTHEW KOHLS, PE

Project Engineer | 25 Years of Experience

*Matthew has well-rounded transportation and site development experience and his projects include bridge design, highway and street design, traffic signalization, storm drainage, structural design, sanitary sewer collection system, water distribution, and site development design.*



# RELEVANT EXPERIENCE AND PAST PERFORMANCE

Our team is committed to exploring innovative solutions, applying creative thinking, and delivering high-quality design tailored to each project's unique requirements. We approach every challenge with a focus on integrating functional needs, long-term performance, and cost efficiency to create solutions that are both practical and forward-thinking.



## **K-153 & INDUSTRIAL ROAD GEOMETRIC IMPROVEMENTS**

BG Consultants was engaged in the engineering design of a pivotal highway geometric improvement project at the intersection of Market Street (K-152) and Industrial Road in La Cygne, Kansas. The project was geared towards enhancing traffic flow and safety, with key components funded through the Kansas Department of Transportation's (KDOT) CCLIP program. Our team meticulously crafted construction plans, incorporating horizontal and vertical alignment, pavement sections, storm sewer improvements, intersection and entrance details, ADA-compliant sidewalks, pavement markings, and signage enhancements.



## **MANHATTAN KIMBALL AVENUE NORTH CAMPUS CORRIDOR**

In 2010, BG Consultants began surveying and completing preliminary concept layouts for the Denison Avenue & Kimball Avenue modifications in Manhattan, KS. These modifications are necessary to accommodate the additional traffic that will be associated with the National Bio & Agro Defense Facility (NBAF). The proposed improvements include adjustments on Denison Avenue through the entrance to the Chester E. Peters Recreation Complex at Kansas State University. The Denison Avenue improvements will also include the main entrance to the NBAF facility on the east side of Denison Avenue, north of the Rec Complex entrance.



## **ST MARYS CCLIP STREET IMPROVEMENTS PHASE I & II**

The first phase saw the existing asphalt pavement in this 5-block length of street had experienced areas of substantial pavement heaving and freeze thaw cracking due to the heavy vehicular and semi traffic on US Highway 24 and K-63. New ADA sidewalk ramps, concrete apron, surface drainage and curb and gutter were included. The second phase had similar cracking due to ongoing traffic use the project included milling of existing 2" asphalt over existing concrete edge mill for better bonding of the new asphalt overlay as well as sidewalk and ramp replacements and curb and gutter of those failed sections.



## **QUEENS ROAD STREET, STORMWATER & WATERLINE**

This project included the design of approximately \$6.5 million in street, storm sewer, waterline and sanitary sewer force main improvements for the City of Lawrence. Queens Road had experienced significant urban residential development Infrastructure improvements included the design of a traffic signal controlled intersection at the intersection of 6th Street/Queens Road, a roundabout at the intersection of 6th Street/Overland Drive, on-street bicycle amenities with a raised median for landscaping and access control, shared-use path and sidewalk amenities to connect to the numerous surrounding residential uses, and coordination with utility companies to minimize impacts to their infrastructure.



## **US-56 & HIGH STREET INTERSECTION IMPROVEMENTS**

The City of Baldwin City contracted with BG Consultants to reconfigure the design of the US 56 Highway and High Street Intersection. Funding for the project included a combination of City funds, Douglas County funds, and KDOT funding. The reconfiguration included the addition of left turn lanes on US 56, realignment of High Street to be perpendicular to US 56, and widening of US 56 lanes. BG Consultants designed updates to permanent signing, pavement markings, sidewalk infrastructure, and pedestrian facilities.



## FEDERAL FUNDING EXPERIENCE

CLIENT	FED AID NO.	BID PRICE	YEAR
City of Fairview	ACNHP-A645(001)	\$2,297,375	2024
City of Centralia	ACSTP-A643(901)	\$1,065,137	2024
KDOT	NHPP-A237(510)	\$7,158,505	2024
KDOT	ACNHP-A578(701)	\$7,465,230	2023
KDOT	ACNHP-A578(801)	\$6,494,886	2023
KDOT	ACNHP-A578(901)	\$8,238,362	2022
KDOT	ACNHP-A579(001)	\$9,347,358	2022
KDOT	NHPP-A182(705)	\$1,954,995	2022
KDOT	NHPP-A510(501)	\$12,613,929	2022
City of Garnett	ACNHP-A542(201)	\$1,554,874	2022
City of Phillipsburg	ACHNP-A543(301)	\$1,141,485	2022
City of Emporia	ACNHP-A541	\$774,411	2022
Miami Co.	STP-N070(901)	\$4,229,588	2022
KDOT	HSIP-A558(321)	\$728,719	2021
KDOT	NHPP-A510(801)	\$115,000	2021
KDOT	HSIP-A558(321)	\$220,631	2021
KDOT	HSIP-A558(321)	\$989,838	2021
KDOT	HSIP-A558(321)	\$31,477	2021
City of La Cygne	ACSTP-A514(701)	\$775,762	2021
City of Paola	HSIP-U236(201)	\$423,152	2020
City of Manhattan	ACNHP-A475(701)	\$881,990	2019
City of Marysville	ACNHP-A475(901)	1,433,816	2019
City of Coffeyville	NHPP-A425(501)	\$1,444,708	2018
KDOT	NHPP-A237(503)	\$3,938,097	2015
KDOT	NHPP-A237(504)	\$3,356,785	2015
KDOT	NHPP-A237(505)	\$4,638,650	2015



## FIRM FAMILIARITY

We understand the depth and complexity of requirements that accompany construction services. Our firm is one of the largest and most experienced Local Public Authority (LPA) qualified consulting firms for Kansas Department of Transportation projects. We consistently serve Federal, State, County, Municipal, and Local governments, in addition to commercial and private clientele, during the construction phase of all types of infrastructure projects. Our certified LPA staff has completed construction administration for major bridge replacements and rehabilitation, street and water projects, asphalt and concrete pavement projects, and rural and urban grading projects.

### ACCESSIBILITY

We prioritize being responsive to our client's needs. Our staff utilizes tools such as Microsoft Teams and Zoom to conduct meetings where it meets the needs of MoDOT staff. Remote meetings can greatly reduce travel time and expense which frequently aids us in delivering projects below budget. Of course, we also travel to project sites or district offices whenever the project requires. From our KC Metro office, we can access any location in Missouri. We are also proficient in using AI tools for meeting minutes, summaries, project visualization, and other meeting tasks, as appropriate and with respect for protection of sensitive content, to maximize accessibility, efficiency, and responsiveness.



# BG CONSULTANTS

ENGINEERS · ARCHITECTS · SURVEYORS

LOCAL PUBLIC AGENCY ON CALL CONSULTING SERVICES

**YOUR  
VISION  
MATTERS.**

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SMITHVILLE | LAWRENCE  
MANHATTAN | EMPORIA  
BGCONS.COM

CITY OF HIGHLAND, KANSAS  
2022 WATER TREATMENT PLANT IMPROVEMENTS



# FIRM BACKGROUND

BG Consultants has provided professional engineering, architectural, and surveying services to our clientele since March 1, 1976. We maintain an S corporation status, with both our Board of Directors and shareholders composed solely of our currently practicing licensed professionals. Today, BG Consultants is a mid-sized design firm with four offices. Our Manhattan, Kansas, office serves as the corporate headquarters, with regional offices in Lawrence, Emporia and Smithville. We have 34 licensed professionals among our 90 employees.

OUR MISSION is to **provide client-focused service through integrated design solutions.** We see ourselves as your partner, working *with* you to create a design that resonates with your vision.

## OUR SERVICES



### ROADWAY DESIGN

The Transportation Department designs safe, efficient roadways including pavement, intersections, and multimodal features to reliably get you from Point A to Point B.



### TRAILS AND SIDEWALKS

Our team designs trails and sidewalks that enhance connectivity and encourage safe, accessible movement for all users, integrating thoughtful planning with practical solutions to support well-connected communities.



### STRUCTURES

Our Horizontal Structures Studio creates safe, efficient, and durable structures that meet complex site and load requirements. Our engineers combine technical analysis, material expertise, and constructability considerations to deliver resilient and visually distinctive bridges.



### CONSTRUCTION INSPECTION

The Construction Administration is often the final step in our projects. We work with you to ensure that all aspects of your project are completed as designed and within specifications.

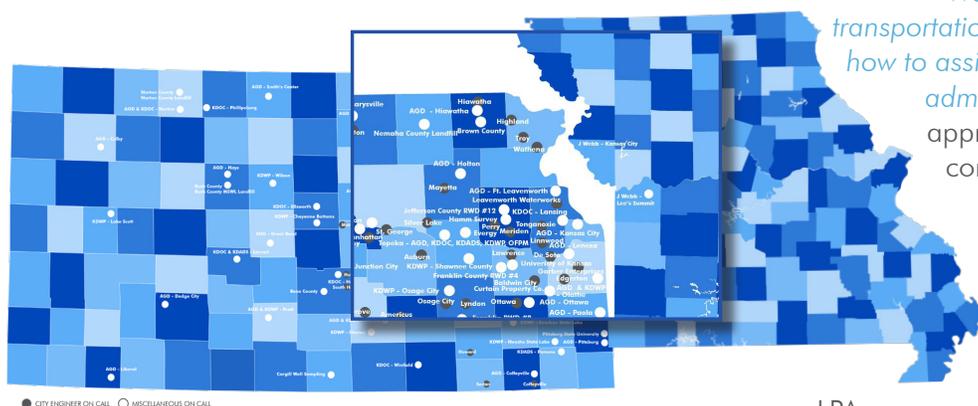


### TRAFFIC ENGINEERING & TEAP

The Transportation Department applies data-driven analysis and innovative design to optimize traffic flow, improve safety, and enhance mobility across communities.

BG Consultants currently performs City Engineer duties for 41 cities\*. Each community we work with gains a full service engineering design team, ready to assist in obtaining funding for needed projects, organize capital improvement and maintenance plans, provide construction documents ready for bidding, and conduct public meetings.

*We are well versed in federal and state transportation funding programs and understand how to assist Local Public Agencies acquire and administer this funding.* Our professional approach, efficient services, and reliable communication have supported a wide range of LPA-funded projects—from roadway improvements and safety enhancements to pedestrian, utility, and infrastructure upgrades. By leveraging the full breadth of our capabilities and understanding of LPA processes, we streamline approvals, maintain compliance, and help turn your vision into reality.



\*BG Consultants provides On Call engineering services across the region, serving numerous communities and state agencies as the designated City Engineer (41) or trusted On Call Consultant (33).

# STAFF CAPABILITIES



		Preliminary & Final Design										Env	CEI	Arch						
		Industry Tenure (years)	DOT Experience	Location Study	Concept Alternatives	Cost Estimates	Drainage/H&H	Traffic Operations	Structures	Pedestrian/Bicycle	Open Roads	Agency Coordination	GIS	Water Quality	Environmental Justice	Public Involvement	Construction Eng/Insp.	Interior Design	Architectural Design	Space Planning
<b>BG Staff</b>																				
Bridge/Struct	Brady Hedstrom, PE	17	•		•	•	•		•	•	•	•	•			•	•			
	Elliot Schrag, PE	5	•		•	•	•		•	•	•	•	•			•				
	Ronda Willard, PE	33	•		•	•	•		•	•	•	•	•			•				
	Johnny Eclavea, PE	32	•		•	•	•		•	•	•	•	•			•				
Arch	Clint Hibbs, AIA, NCARB	22	•		•	•	•		•			•				•		•	•	•
	Cameron Tross, AIA, NCARB	16	•		•	•	•		•			•				•		•	•	•
	Grant Urban, AIA, NCARB	8	•		•	•	•		•			•				•		•	•	•
Civil/Transportation	Aaron Castro, PE	16	•	•	•	•	•			•	•	•				•				
	Abby Mills, PE, CFM	8		•	•	•	•					•				•				
	Cecil Kingsley, PE	59	•	•	•	•	•					•				•				
	Brian Foster, PE	23		•	•	•	•			•		•				•				
	Brian Kingsley, PE	34	•	•	•	•	•					•				•				
	Bruce Boettcher, PE	29	•		•	•	•					•				•				
	Dan Byers, PE	39			•	•	•			•		•				•				
	Dan Harden, PE	53		•	•	•	•					•				•				
	Daniel Sullivan, PE	14			•	•	•					•				•				
	David Hamby, PE, CFM	31	•	•	•	•	•			•		•				•				
	Pat Cox, PE	60		•	•	•	•					•				•				
	Jamie Cole, PE	21	•	•	•	•	•			•	•	•	•	•	•	•				
	Kirk Provine, PE	7			•	•	•					•				•				
	Kirk Stewart, PE	7			•	•	•					•				•				
	Matthew Kohls, PE	25	•		•	•	•					•				•		•		
	Nathan Dunahee, PE	25			•	•	•					•				•				
	Sam Johnson, PE	17			•	•	•					•				•				
	Diane Rosebaugh, PE	16	•		•	•	•	•	•	•		•		•	•	•				
	Jared Mills, PE	7	•	•	•	•	•	•	•	•		•		•	•	•				
	Jason Hoskinson, PE, PTOE	26	•	•	•	•	•	•	•	•		•		•	•	•				
Seaver Williams, PE	8			•	•	•					•				•					
Thaniel Monaco, PE	33			•	•	•					•				•					
Wes Weishaar, PE	11			•	•	•					•				•					
MEP	Carter Klise, PE	9	•		•	•						•				•				
	Jarrod Mann, PE, LEED AP	26	•		•	•						•				•				
	Sarah Robare, PE	16	•		•	•						•				•				



# CADD EXPERIENCE & ACCESSIBILITY

Our team has extensive experience working within Bentley's OpenRoads Designer platform and is familiar with MoDOT's CADD standards and workspace requirements. We routinely develop roadway design projects in DGN format and are adept at verifying compliance with specifications for geometry, feature definitions, and superelevation preferences. Our workflows will incorporate MoDOT-provided seed files, civil cell libraries, and template libraries to maintain consistency with department standards for line styles, symbology, and color tables. We are proficient in creating corridor models, generating cross sections directly from those models, and delivering complete, self-contained plan sets that will meet MoDOT's file naming conventions and plotting requirements. This familiarity with MoDOT requirements enables us to provide accurate, fully compliant electronic design data that integrates seamlessly with MoDOT's internal systems.

To ensure accessibility and responsiveness, we leverage a suite of tools and strategies that allow us to collaborate effectively from a distance. Our team utilizes secure cloud-based file sharing platforms for real-time exchange of design files, ensuring MoDOT staff can access current versions without delay. We conduct virtual design reviews using screen-sharing and markup tools, enabling immediate feedback and resolution of issues. Additionally, we maintain open communication through scheduled video conferences and rapid email response protocols. These practices, combined with disciplined version control and quality assurance processes, allow us to remain highly responsive to client needs while delivering accurate, timely, and fully compliant design deliverables.



## SCHEDULE/WORKLOAD

We currently have a light to moderate workload and will begin preliminary design as soon as contract is executed.



## COMPREHENSIVE DESIGN

We not only excel at finding solutions that fit their budgets, but we have an excellent reputation with accurate and constructible design.



## PROJECT MANAGEMENT

Many engineers can deliver technical design services, but few can effectively manage, design, and communicate with stakeholders like our team.



## EXPERIENCE

We have designed countless projects with KDOT and LPA partners. We are familiar level of effort required for these projects and a consistent design product will be delivered.

**Efficient Project Approach.** We plan on approaching this project with a multifaceted, coordinated team approach. We will use the expertise and knowledge of team leaders who have decades of experience delivering successful projects to DOTs.

**Availability / Commitment to the Schedule.** We know the importance of keeping projects on schedule and have demonstrated the ability to take on multiple DOT transportation projects at one time and meet or beat the expected schedule.

**Dedication to Quality Control.** We have partnered with transportation agencies time and time again. Through these partnerships we understand and anticipate the needs and expectations for plans. We have used this experience to set up internal reviews to ensure our plans meet the quality you expect.

**Prior DOT Design Experience.** Transportation and DOT work has been at the core of BG Consultants' practice since our firm's inception over 49 years ago. Our transportation leadership team bring 151 years of experience to serve you.

**Satisfactory past performance.** We've received positive feedback from our multiple partnerships with KDOT Road Design teams and, more recently, KDOT PMC design teams. Being as familiar with this type of project as we are enables us to spend our design time more efficiently and deliver work products that require less reviews.

**Familiarity with Design Process.** We have partnered with DOTs on countless projects with similar obstacles that must be addressed to deliver a successful project. We are very familiar with the MoDOT design guidelines, standards, and specifications. The consistent design product that you will come to expect from us will be delivered on this and every subsequent project BG performs for Missouri.