



BG CONSULTANTS

ENGINEERS · ARCHITECTS · SURVEYORS

LOCAL PUBLIC AGENCY ON CALL CONSULTING SERVICES

**YOUR
VISION
MATTERS.**

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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.

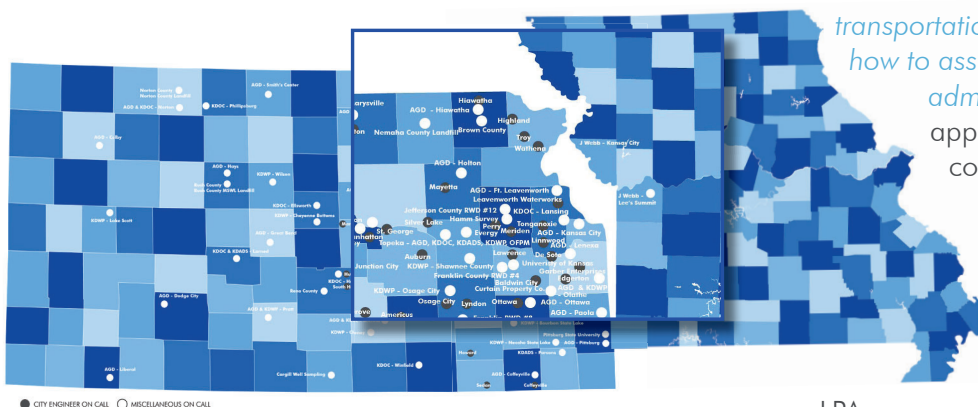


TRAFFIC ENGINEERING & TEAP

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					
BG Staff		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
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	•		•	•						•				•			
Jarrold 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.