

## FIRM OVERVIEW

### HG CONSULT HAS A GROWING GEOGRAPHY

Hg Consult, Inc. was formed in 2010 as a consulting engineering and planning firm based in Kansas City, Missouri. Hg Consult is incorporated in Missouri, with three Missouri offices: Kansas City, St. Louis and St. Joseph. In addition, Hg Consult has offices in Denver, Colorado; Waterloo, Iowa; and Austin, Texas.

### HG CONSULT IS A FULL-SERVICE ENGINEERING & PLANNING FIRM

Hg Consult has several areas of competency and we continue to grow our professional offerings as our firm grows. Our projects range from small municipal and private development projects to large scale DOT interchange projects. More specifically, Hg Consult's expertise includes:

- Roadway design and geometrics
- Bridge and culvert design
- Transportation & PEL planning
- Environmental planning & permitting - including NEPA documentation
- Traffic operations, traffic micro-simulation, and traffic control
- Drainage, storm water, and water line design
- Pedestrian & bicycle planning and design
- Transit planning and design
- Program management services
- Construction engineering & inspection services
- Residential, commercial, industrial and institutional site development
- Public information and outreach

### HG PROMOTES FLEXIBLE WORK SPACES

As an employer, we have taken a fresh approach to our staff and how we operate. Our staff are well known and highly respected in the engineering and planning communities - most of our senior professionals have previously worked at some of the largest firms in the country. We have complete workplace flexibility and all our staff are encouraged to office remotely. We are completely cloud-based in our operations, ensuring safe development and storage of preproject-related documents. The trust and flexibility placed with our employees pays dividends to Hg Consult and results in efficiencies and to our clients in the quality of our product.

### HG HELPS OUR CLIENTS ACHIEVE THEIR DBE GOALS

Hire Hg Consult because we are the most qualified to do the work - benefit from Hg Consult because we meet your DBE/SBE requirements. As a certified DBE, MBE, and SBE we understand that it is not a requirement on all projects, but when required we help our clients meet their diversity goals while providing value through our service.

### TRUSTED LEADERSHIP | QUALITY WORK | PRACTICAL APPROACH | OPEN COMMUNICATION

We are fully committed to providing professional consulting services that are of high quality, delivered on-time, and on or under-budget. You can trust our leadership to bring innovation and quality deliverables with an approach that is based on practical solutions and open communication.



## Offices

### Kansas City, Missouri

9111 NE 79th Street  
Kansas City, MO 64158  
Earl Harrison, PE  
(816) 256-5153

### St. Louis, Missouri

206 Hollytree Court  
Ballwin, MO 63021  
Buddy Desai, PE  
(314) 495-6868

### St. Joseph, Missouri

1 Pine Ridge  
St. Joseph, MO 64505  
Joshua Castor, PE  
(816) 708-0231

### Denver, Colorado

681 Meadowleaf Lane  
Highlands Ranch, CO 80126  
Jerry Mugg, PE  
(720) 458-1729

### Waterloo, Iowa

3405 Inverness Road  
Waterloo, IA 50701  
Brenda Durbahn, MA  
(319) 230-2860

### Austin, Texas

1920 Pecan Valley Drive  
Leander, TX 78641  
Rachel Lunceford, PE  
(512) 202-5085

# Staff Capabilities



Hg Staff		Preliminary & Final Design											NEPA/Environmental							PI	CEI						
		Industry Tenure (yrs)	MoDOT Experience	Location Study	Concept Alternatives	Alternative Staging	Cost Estimates	Drainage/H&H	Traffic Operations	I/R/OR	TSMO/ITS	Structures	Pedestrian/Bicycle	Microstation	Agency Coordination	NEPA Process	T&E Species	Noise/Air Analysis	Wetlands/Woodlands	Water Quality	GIS	Social/Economic	Environmental Justice	Regulated Materials	Public Involvement	Construction Eng./Insp.	
Planning	Stephen Wells, AICP	30	●	●	●	●		●	●					●	●	●	●	●		●	●	●		●			
	Buddy Desai, PE	31	●	●	●	●		●	●					●	●	●	●	●		●	●	●		●			
	Jerry Mugg, PE	35	●	●	●	●		●						●	●	●	●	●	●			●	●		●		
	Brenda Durbahn, MA	30	●	●	●									●	●	●	●	●				●	●		●		
	Dave Kocour, CEP	34	●	●	●				●	●				●	●	●	●	●	●			●	●	●	●	●	
	Jen Johnson, JD	16	●											●	●							●	●		●		
	Chris Thomas, PWS	19	●											●	●	●		●	●	●	●	●	●	●	●	●	●
	Brett Pierson, MA	2	●	●										●	●		●	●	●	●	●	●	●	●	●	●	
Bridge Design	Terry Hood, PE	29	●	●	●		●	●			●	●	●														
	Stephen Fussnecker, PE	15	●	●	●		●	●			●	●	●														
	Tom Westerman, PE	35	●	●	●		●	●			●	●	●														
	Steve Wilton, PE	43	●	●	●		●	●			●	●															
	Brian Wrisinger	31	●	●	●	●	●				●		●														
Roadway Design	Earl Harrison, PE	27	●	●	●	●	●				●	●		●	●										●		
	Matt Spencer, PE	17	●	●	●	●	●	●	●		●	●		●	●										●		
	Nathan Hladky, PE, PTOE	17	●	●	●	●	●	●	●		●	●		●	●										●		
	Josh Castor, PE	22	●	●	●	●	●	●	●		●	●		●	●										●		
	Eric Reinkemeyer, PE, PTOE	21	●	●	●	●	●	●	●	●	●	●		●													
	Nathan Will, PE	24	●	●	●	●	●	●	●	●		●	●		●												
	Rachel Lunceford, PE	25	●	●	●	●	●	●	●	●		●	●		●	●									●		
	Debbie Page, PE	15	●	●	●	●	●	●	●	●		●	●														
	Mario Cancilla, PE	13	●	●	●	●	●	●	●	●		●	●														
	Pedro Maltos, PE	13		●	●	●	●	●	●	●		●	●														
	Melissa Rettig, PE	8	●	●	●	●	●	●	●	●		●	●		●	●		●	●	●	●	●	●		●		
	Nathan Morhardt, PE	5		●	●	●	●	●	●	●		●	●														
	Clayton Van Ekeren, PE	5		●	●	●	●	●	●	●		●	●														
	Tricia Petersen, EI	9	●	●	●	●	●	●					●														
Drainage/Water	Mike Alexander, PE	17	●	●	●	●	●				●	●							●								
	Chad Charest, PE	18	●		●	●	●	●				●															
	Matt Castor, PE	19	●		●	●	●	●				●	●														
	Kellen Huffman, EI	16	●	●	●	●	●	●				●	●				●		●								
	Richard Michael	17	●	●	●	●	●	●				●	●														
CEI	Evan Dolan	14	●																							●	
	Brett Stewart	25	●																							●	
	Oubon Phongsavath, PE	18	●	●	●	●	●	●				●	●													●	
	Patrick Rhoads, EI	7	●	●	●	●	●					●								●						●	

# Hg's Project Managers



Hg Consult has been growing rapidly over the last five years and recently added our 50th employee. In addition to the key personnel identified in each of our letters, Hg Consult can provide the depth of resources to tackle almost any assignment, regardless of the complexity. The following staff comprise our key project managers in the various fields of expertise that Hg provides.



**Matt Spencer, PE**  
Roadway Design

Matt has been involved in projects from start to finish - feasibility studies through final design and construction. His experience includes interstate design, roadway design, rail design, construction, utility relocation coordination, drainage design, as well as location studies and planning projects.

**Matt led roadway design for the I-435/I-70 Turbine Interchange and is currently leading the preliminary design for the I-80 Location Study in the Quad Cities.**



**Eric Reinkemeyer, PE, PTOE**  
Roadway/Traffic

Eric is proficient in Highway Capacity Software and the traffic simulation modeling programs Synchro and VISSIM. He has been the lead designer on engineering studies in which he provided numerous interchange alternatives and performed operational analysis using VISSIM. Eric has also been the lead traffic engineer for major interchange studies.

**Eric recently completed the Roadway plans for the I-435 Missouri River Bridge Rehab project for MoDOT**



**Josh Castor, PE**  
Roadway/Traffic

Josh specializes in roadway, drainage and traffic control design. He was responsible for the design of the APWA award winning Vermont Ave. Bridge over Rock Creek in Independence where his responsibilities included roadway design, storm drainage, water main and sanitary sewer relocation and traffic control. Josh recently served as Project Manager for three IORs on I-35 as part of Hg Consult's current Iowa DOT contract.

**Josh is currently leading the Location Study as part of the I-229 EA in St. Joseph, MO.**



**Nathan Hladky, PE**  
Roadway/Traffic

Nathan is a Project Manager with experience in roadway design and traffic engineering projects through throughout the Midwest. His traffic engineering experience includes roadway safety analysis, traffic signal design and various types of traffic studies that include traffic impact studies, crash analysis, sight distance analysis, speed studies and traffic signal warrant studies.

**Nathan is roadway task manager on the 18-mile I-80 Location Study in the Quad Cities that includes five interchanges.**



**Evan Dolan**  
Construction Inspection

Evan leads Hg Consult's CEI department and is an active construction inspector for Hg's Roadway Design, Water Services, and CEI groups. Evan has experience working with state DOT's and local municipalities performing construction inspections on a variety of projects, including roadway construction, bridge demolition and reconstruction, storm water mitigation and creek rerouting, and ADA sidewalk surveys with parkway improvements.

**Evan recently completed the drilled shaft inspections on the Buck O'Neil D/B project in Kansas City.**



**Terry Hood, PE**  
Bridge Design

Terry's experience includes structural design, detailing, plan and specification preparation for cast-in-place, drilled shaft and MSE retaining walls and bridges including: pre-stress girder, welded plate girder, reinforced concrete slab bridges, staged construction, bridge widening and bridge rehabilitation and repair.

**Terry is currently finishing the design of two bridges within the I-480 and I-29 interchange in Council Bluffs as part of Iowa DOT's CBIS project.**



**Stephen Fussnecker, PE**  
Bridge Design

Stephen is a Senior Bridge Engineer with 14 years of bridge design experience. Stephen leads the structural design and plan development for bridges, bridge inspections and load ratings. His experience includes all aspects of prestressed girder bridge design, construction engineering, bridge rehabilitation and repair and extensive load rating for multiple bridge types. Stephen has previously coordinated emergency inspection of approximately 1,300 structures, the repair of more than 300 and replacement of 21 due to flooding in Colorado in late 2013.



**Buddy Desai, PE**  
Environmental Planning

Buddy's transportation experience encompasses over 30 years of managing roadway and bridge projects including large National Environmental Policy Act (NEPA) corridor studies for interstates, highways, and major state routes as well as providing expert public involvement and Context Sensitive Solutions (CSS) facilitation for transportation infrastructure improvements throughout the US.

**Buddy is currently the project manager on the Re-Evaluation of I-70 SIU 4 in Columbia.**



**Stephen Wells, AICP**  
Environmental Planning

Steve has gained extensive experience leading transportation and environmental planning projects throughout the nation, including NEPA-related studies, multi-state high priority corridor studies and transportation location studies. Steve has served in management roles on several MoDOT projects, such as the I-70 Truck Only Lane SEIS, I-70 2nd Tier EIS - SIU 6, and the Whitton Expressway EIS.

**Steve is currently the project manager on the \$50 million I-229 EA in St. Joseph, MO.**



**Dave Kocour, CEP**  
Environmental Planning

Dave has extensive experience leading environmental planning projects, including NEPA-related studies, transportation location studies, transit studies, long range transportation plans and feasibility studies. Dave has managed transit projects including the Kansas City Streetcar Extension where he led Hg Consult's NEPA and environmental work.

**Dave is currently project manager for the Route 19 Bridges EA in southern Missouri, within an environmentally complex study area.**