



**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:

HR Green, Inc.

Firm Contact Name:

Kevin Brehm

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Firm's Mailing Address:

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St. Louis, MO 63141

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**

General Experience of the Firm

HR Green understands the objective of the Missouri's Local Public Agency (LPA) Program is to serve as a trusted partner to local municipalities, acting as an extension of their staff, providing expertise in a quick, reliable, and innovative manner. Because projects eligible for selection through the LPA on-call list are limited to \$200K in fee, we expect the tasks will be well-defined preliminary and/or final designs of structure rehabilitations or replacements. HR Green's local structural engineering group has the technical competence and experience to provide exceptional design services for any project size anticipated. We have a wide-range of experiences that include interstate bridges and multi-span river crossings, as well as single-span bridges, box culverts, pedestrian bridges, and bridge rehabilitations. Additionally, we have roadway, hydraulic, and construction engineers in our office that will aid in our development of complete and constructible plans. Kevin Brehm, Missouri Bridge Lead will be your point of contact for coordinating resulting assignments.



Past Performance

Our recent bridge design experiences have given us knowledge and understanding of MoDOT's Engineering Policy Guide (EPG) and the LPA process for federally funded projects.

Through these experiences

we have developed a strong understanding of MoDOT's CAD standards and detailing practices, allowing us to efficiently develop plans that are familiar to local agencies and contractors in Missouri. From the start, we will strive to understand project issues and provide the appropriate team to complete work with minimal oversight. Evidence of this is the minimum amount of guidance required throughout design combined with the minimal number of plan review comments received on our submittals. When questions do arise, or critical decisions need to be made, our staff do not hesitate to have a discussion with the local project lead to make sure the team stays on the right track. HR Green has consistently completed bridge design contracts within the original budget, further demonstrating our understanding of the project scope and our ability to efficiently deliver structural tasks.

The following projects provide a general overview of the types of projects and scopes of work that the staff shown later within this document have completed. All of the projects were federally funded unless otherwise noted.

Waterway Crossings:

St. Paul Road STBG-7302(710)

– **St. Paul, MO:** Replacement 2 (14' x 9') Concrete Box Culvert

Services: Structural Design, Hydrology/Hydraulic Analysis, Roadway Design, Drainage Design, Detour Plan, Utility Coordination **Key Personnel:** K. Brehm (PM), A. Davis (PE), D. Braton (SE)

Josephville Road STBG-7302(706) – St. Charles County, MO:

Replacement 2 (10' x 9') Concrete Box Culvert **Services:** Structural Design, Hydrology/Hydraulic Analysis, Roadway Design, Drainage Design, Detour Plan **Key Personnel:** K. Brehm (PM), A. Davis (PE), D. Braton (SE)

Ladue Farm Road BRO-R096(002) – Chesterfield, MO:

Replacement (28' x 13') Three-Sided Precast Concrete Culvert, Staged for Part-Width Construction **Services:** Structural Design, Hydrology/Hydraulic Analysis, Roadway Design, Drainage Design, Traffic Control, Utility Coordination **Key Personnel:** K. Brehm (PM), A. Davis (PE), D. Braton (SE), D. Maxwell (QA/QC)

Geraldine Avenue STP-5418(617) – St. Ann, MO:

Replacement Single-Span Spread Prestressed Concrete Box Girder Bridge with Integral End Bents **Services:** Structural Design, Hydrology/Hydraulic Analysis, Roadway Design, Drainage Design, Detour Plan **Key Personnel:** K. Brehm (PM), G. Aronberg (PE)

Bayless Avenue STP-4900(637) – St. Louis County DOT:

Single-Span Prestressed Concrete NU-Girder Bridge with Integral End Bents **Services:** Structural Design, Hydrology/Hydraulic Analysis, Roadway Design, Drainage Design, Construction Staging, Maintenance of Traffic **Key Personnel:** K. Brehm (PM), A. Davis (PE), G. Aronberg (PE)

Jungermann Road BRM-5640(613) – St. Peters, MO:

Replacement Three-Span Continuous Concrete Slab Bridge and Two-cell Concrete Box Culvert, CIP Concrete Retaining Walls, Modular Block Retaining Walls **Services:** Structural Design, Hydrology/Hydraulic Analysis, Roadway Design, Drainage Design, Traffic Signal Modifications, Traffic Control **Key Personnel:** K. Brehm (PM), D. Maxwell (QA/QC)

Northeast South Dakota Bridge Replacements – South Dakota DOT:

Replacement of 22 bridges on local roadways using federal funding: 16 Concrete Box Culverts, 3 Continuous Concrete Slab Bridges, 2 Prestressed I-Girder Bridges and 1 Steel Plate Girder Bridge **Services:** Structural Design, Hydrology/Hydraulic Analysis, Roadway Design, Environmental Permitting, Detour Plans **Key Personnel:** K. Brehm (PM)

PM = Project Manager
 PE = Project Engineer
 SE = Staff Engineer
 QA/QC = Quality Assurance/
 Quality Control Manager

Route 142 over Cane Creek Ditch (J9S3557) – MoDOT

Southeast District: Replacement Three-Span, Spread Prestressed Concrete Box Girder Bridge with Integral End Bents and Concrete Pile Cap Intermediate Bents **Services:** Structural Design, Hydrology/Hydraulic Analysis, Roadway Design, Drainage Design, Detour Plan **Key Personnel:** K. Brehm (PM), A. Davis (PE), G. Aronberg (PE)

Route 49 over Dry Fork Creek (J5P3241) – MoDOT Central

District: Replacement Three-Span, Prestressed Concrete I-Girder Bridge with Integral End Bents and Concrete Pile Cap Intermediate Bents. Staged for Part-Width Construction **Services:** Structural Design, Hydrology/Hydraulic Analysis, Roadway Design, Drainage Design, Traffic Control **Key Personnel:** K. Brehm (PM), A. Davis (PE); G. Aronberg (PE), D. Maxwell (QA/QC)

Grade Separation Structures:

Hamilton Avenue over Metrolink BRO-115(018) – St.

Louis, MO: Two-Span, Adjacent Prestressed Concrete Slab Beam Bridge with Integral End Bents and a Concrete Pile Cap Intermediate Bent **Services:** Structural Design, Roadway Design, Drainage Design, Detour Plan **Key Personnel:** K. Brehm (PM), A. Davis (PE), D. Maxwell (QA/QC)

Route 109 Corridor (J6S2046, J6S3141-Cost Share)

– **MoDOT St. Louis District:** Two New Pedestrian Underpasses, MSE Retaining Walls, New Prefabricated Steel Truss Pedestrian Overpass, Geogrid Reinforced Steepened Slope (GRSS) Wall **Services:** Structural Design, Widening, Resurfacing, Pedestrian Accommodations, Bike Lanes, Grading, Roundabouts **Key Personnel:** K. Brehm (PM)

Lucas Hunt Road over Norfolk Southern Railroad

(Locally Funded) – St. Louis County DOT: Three-Span Steel Plate Girder Bridge with Integral End Bents and Multi-Column Intermediate Bents **Services:** Structural Design, Roadway Design, Drainage Design, Traffic Control **Key Personnel:** K. Brehm (PM), A. Davis (PE), D. Braton (SE)

Grand Drive over Forest Park Parkway and Metrolink

BRO-R096(001) – St. Louis, MO: Replacement Two-Span Prestressed Concrete I-girder Bridge with Integral End Bents and a Multi-Column Intermediate Bent on Drilled Shafts **Services:** Structural Design, Roadway Design, Drainage Design, Traffic Control **Key Personnel:** K. Brehm (PM), D. Braton (SE)

Route AA over US-60 (JSE0248) - MoDOT Southeast

District: Four-Span, Steel Plate Girder Bridge with Integral End Bents and Two-Column Intermediate Bents on CECIP Concrete Piles **Services:** Structural Design, Roadway Design, Drainage Design, Traffic Control **Key Personnel:** K. Brehm (PM), A. Davis (PE), D. Braton (SE)

Bridge Rehabilitations:

Ashby Road (Locally Funded) – St. Louis County DOT:

Deck Replacement, Substructure Repairs, Semi-Integral End Bent Conversion, Seismic Retrofitting **Services:** Structural Design, Roadway Design, Drainage Design, Coordination with MSD, Coordination with UPRR **Key Personnel:** K. Brehm (PM), D. Maxwell (QA/QC)

I-44 Resurfacing in Phelps County (J5I3482) – MoDOT

Central District: Concrete Overlay of Deck Girder Bridges and addition of Curb Blockouts; Extension of Existing Double 12' X 4' Concrete Box Culvert **Services:** Structural Design, Roadway Design, Traffic Control **Key Personnel:** K. Brehm (PM), A. Davis (PE)

Forest View Drive (Locally Funded) – Warson Woods,

MO: 20' Single-Span Concrete Slab Replacement **Services:** Structural Design, Roadway Design, Drainage Design, Utility Coordination **Key Personnel:** K. Brehm (PM), A. Davis (PE), D. Braton (SE)

Familiarity/Capability

Through the development of the various projects previously identified, we have gained valuable insight into the processes, resources, preferences and requirements of doing work for local agencies who receive federal funding. This knowledge provides us the ability to function effectively as an extension of a local agency's staff and gives them the confidence that in selecting HR Green, their funding will not be jeopardized.

HR Green's St. Louis office has forty (40) employees; sixteen (16) registered professional engineers, six (6) engineers in training, and several designers/construction/administrative personnel. Our local staff are extremely well versed in all aspects of bridge and miscellaneous structural design and implementation, construction observation, and construction administrative duties. Because we know and understand your process, we are able to help manage projects to obtain appropriate clearances and approvals so they can be delivered on time. This understanding helps you to make difficult schedules a reality.

Qualifications of Personnel



Kevin Brehm, PE, SE will serve as the **Project Manager**. Kevin has 22 years of structural design experience in the transportation field that includes the design of box culverts, concrete slab bridges, steel plate girder bridges, and prestressed concrete girder bridges. Over the past 10 years, Kevin has managed federally funded LPA bridge replacement projects for numerous

municipalities in the St. Louis region including the cities of St. Louis, St. Peters, Wildwood, Chesterfield, St. Ann, St. Paul, and the counties of St. Louis and St. Charles. Through his experiences, Kevin has gained a solid understanding of the LPA process, and more specifically, the environmental review process. This allows Kevin to anticipate what will be needed to clear NEPA requirements and plan accordingly to keep the project on schedule. Kevin is a hands-on project manager that is involved with critical decisions and the review of plans and specifications. His direct involvement, combined with his understanding of the process, results in complete submittals to MoDOT's LPA Office that lead to minimal review comments and timely approvals. Lastly, Kevin excels at communication, keeping his clients informed of project progress and verifying that their expectations are being met throughout the design process.



Sean Connor, PE, will serve as a **Lead Structural Engineer**. Sean has a wide range of experience in the structural design of bridges and retaining walls, preliminary and final plan production, bridge repair plans, and cost estimating. Sean also has experience performing routine and element level bridge inspections. His thorough understanding of the AASHTO LRFD Bridge Design Specifications combined with his acute attention to detail make him well suited to lead structural projects.



David Braton, EIT will serve as **Project Engineer** providing structural analysis, design and plan production services. David is each proficient in the use of computer applications such as Open Bridge Designer, Midas Civil NX, MDX, and MicroStation / Open Roads Designer.



David Maxwell, PE, SE, will serve as **QA/QC Manager** for assignments received through this on-call. David is a registered structural engineer with over 30 years of experience in the design and management of bridge projects (both federally and locally funded) for local clients such as the Cities of Wildwood, Sunset Hills, Chesterfield, St. Louis, as well as St. Louis County Department of Transportation and MoDOT. David's careful demeanor, clear communication and technical savvy have established him as a company-wide resource and quality manager for transportation structures at HR Green.



Garry Aronberg, PE, CFM will serve as **Lead Hydrology and Hydraulics Engineer**. With over 40 years of extensive experience, including hundreds of hydrology and hydraulics studies, Garry is proficient in hydraulic modeling software including XPSWMM, HEC-HMS, HEC-RAS, EPASWMM,

HY-8, Hydraflow, and others. He has led the hydraulic analysis for all of HR Green's recent bridge replacement projects. His in-depth understanding of hydraulics and applicable policies and procedures will help guide the analysis, providing an efficient study and design.



Andi Davis, PE will serve as the **Lead Roadway Engineer** for HR Green. Andi has 12 years of technical design experience leading preliminary through final design efforts for roadway and bridge projects alike. Andi has a solid grasp of MoDOT's Engineering Policy Guide and has practical design experience with adapting the built environment to meet current standards. Andi has an understanding of different Client's preferences through her extensive experience working with different municipalities in the St. Louis region such as Wildwood, Maryland Heights, and St. Louis County.

Accessibility

The intent of our team is to complete your future projects with this diverse and talented Missouri staff identified herein. HR Green's office in St. Louis is located centrally to serve the needs of all our clients in the metro St. Louis region. While we are not physically local to all regions of Missouri, our location does not preclude us from working effectively in other parts of the state as well. Our previous clients will attest that we have consistently provided unparalleled responsiveness regardless of our proximity to the project or the client.

HR Green's commitment to responsiveness is built on our philosophy of being available and accessible to our clients when they need us most. Our responsiveness encompasses effective communication to coordinate project issues, open collaboration to resolve complex challenges, proactive planning to address the unexpected, strategic staffing to put the right people in the right role, and inclusive participation to solicit input from vested stakeholders.

Why Select HR Green?

We have attempted to demonstrate in this Letter of Interest that HR Green has the technical competence and the experience to perform bridge design services for a variety of potential projects to be delivered through the on-call process. Our structural design team has a wide range of applicable project experiences and a proven record of accomplishment in meeting or exceeding client's expectations. HR Green has the ability to deliver bridge projects with varying scopes and sizes and in the required timeframe. If given the opportunity, our Team will provide efficient, high-quality service for any upcoming on-call needs!



HRGreen®

Building Communities.
Improving Lives.

Building Lasting Partnerships

Founded in 1913, HR Green is proud to be one of the nation’s longest enduring engineering firms. For more than a century, we’ve partnered with public and private clients across markets and geographies to deliver comprehensive engineering, planning, and management solutions that strengthen and connect communities.

We commit to providing great client service through honesty, responsiveness, and understanding; forming partnerships with our clients and colleagues that leads to success.

Our clients benefit from the scale and resources of a national firm combined with the personalized attention of dedicated teams. Consistently ranked among ENR’s Top 500 Design Firms and recognized as a Great Place to Work, we’re committed to delivering exceptional results while fostering a culture of leadership, performance, operational excellence, collaboration, and community.



LEADERSHIP



PERFORMANCE



OPERATIONAL EXCELLENCE



COLLABORATION



COMMUNITY

HR Green offices are located throughout the United States in Arizona, California, Colorado, Florida, Iowa, Illinois, Minnesota, Missouri, South Dakota, and Texas.



We’re proud to be recognized as a Great Place to Work® Certified company.

10 STATES



22 OFFICES



750+ EMPLOYEES



113+

Continuous Service for 113 Years

#168

Currently ranked 168 on ENR’s Top 500 Design Firms in the United States



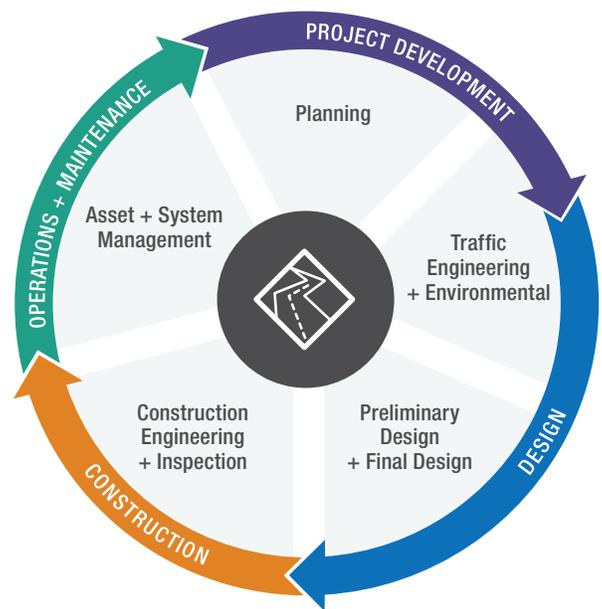
Driving Project Success

HR Green delivers transportation solutions that prioritize safety, efficiency, and long-term value. Our team understands the challenges DOTs face; funding constraints, environmental compliance, public engagement, and technical complexity in both urban corridors and evolving rural areas.

We provide full life-cycle project support, from planning and design through construction and asset management, ensuring projects are buildable, sustainable, and adaptable to future needs. Our integrated disciplines and constructability reviews reduce surprises and optimize maintenance, while leveraging innovation to meet your goals.

HR Green's life-cycle approach delivers consistent outcomes by aligning project needs with community priorities, environmental standards, and infrastructure goals—creating solutions that work for agencies and the people they serve.

TRANSPORTATION PROJECT LIFE-CYCLE



Project Development + Planning

- ▶ Access Management + Control Studies
- ▶ Complete Streets (Pedestrian, Bicyclist, Transit)
- ▶ Grant + Funding Applications
- ▶ Location Studies
- ▶ Hazard Elimination Studies
- ▶ Interchange Justification

- ▶ Reports (IJR)
- ▶ Multi-modal Corridor + Intersection Studies
- ▶ Parks + Open Space Master Planning
- ▶ Planning Environmental Linkages (PEL) Studies
- ▶ Public Engagement (Virtual +

- In-Person)
- ▶ Safety Studies + Action Plans
- ▶ School Circulation + Safety Studies
- ▶ Traffic Impact Studies
- ▶ Transportation Master Plans
- ▶ Transportation Policy Evaluation + Development

Traffic Engineering + Environmental Design

- ▶ Adaptive Signal Control Technology (ASCT)
- ▶ Advanced Traveler Information Systems
- ▶ Fiber Optic Interconnect Design
- ▶ Intelligent Transportation Systems (ITS) Design
- ▶ Intersection Control
- ▶ Evaluations (ICE)
- ▶ Traffic Management Systems
- ▶ Traffic Operations + Safety
- ▶ Traffic Operations Modeling + Simulation + Forecasting
- ▶ Traffic Safety Evaluations + Road Safety Audits
- ▶ Air Quality Analysis
- ▶ Community Impact
- ▶ Assessments
- ▶ Environmental + NEPA + Funding
- ▶ Environmental Monitoring + Compliance
- ▶ Environmental Permitting Strategies
- ▶ Traffic Noise Assessment + Attenuation Studies

Preliminary Design + Final Design

- ▶ 3D Renderings + Flyovers
- ▶ Access Management Planning
- ▶ Blueways + Riverwalks
- ▶ Bridges + Structures
- ▶ Construction Staging
- ▶ Green Infrastructure
- ▶ Final Construction Documents + Specifications
- ▶ Hydraulics + Hydrology
- ▶ Innovative Geometry + Roudabouts + 3D Modeling
- ▶ Interchange Design
- ▶ Intersection Control Evaluations
- ▶ Interstate Reconstruction
- ▶ Municipal + Arterial Street Design
- ▶ Planting Design
- ▶ Preliminary Cost Estimates
- ▶ Preliminary Geometric Layout + Construction Limits
- ▶ Right-Of-Way Impact
- ▶ Assessment
- ▶ Roadway Profile + Cross Section Development
- ▶ Rural Roadway Design
- ▶ Signage + Monumentation + Wayfinding
- ▶ Streetscapes + Parkways + Sidewalks + Trails
- ▶ Urban Streetscape Design

Construction Engineering + Inspection (CEI)

- ▶ Constructability Reviews
- ▶ Construction Management + Inspection
- ▶ Construction Staking + Layout
- ▶ Contract Administration
- ▶ Documentation + Record Keeping
- ▶ Environmental Compliance
- ▶ Materials Inspection + Testing
- ▶ Pre-Construction Services
- ▶ Problem Resolution + Claims Management
- ▶ Progress Payment Review
- ▶ Resident Engineering
- ▶ Shop Drawing Review
- ▶ Stakeholder Coordination
- ▶ Traffic Control Monitoring
- ▶ Utility Coordination

Operations + Maintenance

- ▶ Bridge Inspection + Condition Assessment
- ▶ Capital Improvement Plan Development
- ▶ Detection System Maintenance + Calibration
- ▶ Emergency Vehicle Preemption System Maintenance
- ▶ Equipment Replacement Planning
- ▶ Fiber Optic Communication System Maintenance
- ▶ GIS-Based Asset Management
- ▶ Infrastructure Asset Inventory + Condition Assessment
- ▶ Life Cycle Cost Analysis + Budgeting
- ▶ Maintenance Optimization Strategies
- ▶ Pavement Management
- ▶ Preventive Maintenance Scheduling + Planning
- ▶ Signal Cabinet + Equipment Inspections

Comprehensive Solutions to Support Your Vision



Broadband

We deliver future-ready broadband with a phased approach—starting with community-driven visioning, strategic planning, and GIS-enabled design, then managing construction and providing ongoing operational support for scalable, sustainable connectivity.



Municipal Services

Our professionals help municipalities operate efficiently with flexible, scalable services—from engineering and advisory support to plan review and electronic civil plan checks. We streamline processes, enhance transparency, and deliver tailored solutions that meet each community's unique needs.



Construction Engineering

Our construction professionals are experienced with projects for municipal, county, and state clients that include bridges, roads and highways; storm and sanitary sewers; water distribution systems; water treatment facilities; wells, and storage facilities; pumps and lift stations; and wastewater facilities.



Planning

Our planning services allow clients to imagine their future. Both new and established communities must set a strategy for growth and development. Our planning professionals recognize regulatory and economic parameters while utilizing implementation tools that lead to success and practical application.



Environmental

We partner with federal and state agencies to deliver sustainable, compliant solutions that simplify environmental clearance and permitting. We provide NEPA services, stormwater, air, and wetlands permitting, along with proactive compliance strategies.



Transportation

Our teams deliver integrated transportation solutions—from local streets to complex interstate systems. We combine planning, design, and construction with innovative technologies like 3D modeling, collaborating with DOTs, toll authorities, and municipalities nationwide for seamless project delivery.



Geospatial

Land surveying, GIS mapping, data collection, or field observations are often the crucial first step to any project. HR Green's geospatial professionals have a keen eye for detail and keep your project goals front of mind while adapting as required by site conditions.



Water

From feasibility studies through construction phase services, we help clients achieve reliable, cost-effective, and innovative solutions for potable and process water, wastewater, and water resources management.



Land Development

We combine technical expertise, a passion for service, and business savvy to make your projects highly successful. Our professionals provide planning, engineering, and landscape architectural services in a single, integrated team to streamline the development process.



Scan the QR Code or follow the link below to learn more about our services.

► www.hrgreen.com/services



HRGreen®