

November 15, 2013

Mr. Kenny Voss, PE – Local Program Administrator
Missouri Department of Transportation – Central Office
105 W. Capitol Avenue
Jefferson City, Missouri 65102



**RE: Letter of Interest for Professional Services
Missouri Local Program | Roadway Design Work Category**

Dear Mr. Voss:

General Experience of the Firm: HR Green, Inc. is a professional engineering and technical consulting firm serving clients in the public and private sectors. We are a privately held, employee-owned company, and fully committed to the success of our clients and the well-being of our employees. Celebrating 100 years in business, we enjoy a long-standing reputation for business accountability to our clients, meaning that we partner with our clients to create viable facilities and healthy enterprises. In Missouri, we have been serving the needs of local municipalities and county governments for the past ten years, and have had the good fortune to work on a wide variety of challenging, interesting, and exciting projects to better these communities as shown below. Our firm is currently prequalified on the MoDOT Approved Consultant Prequalification List.

We appreciate the opportunity to submit this letter as evidence of our desire to provide professional engineering services for local or statewide roadway design projects in Missouri under the Local Program on-call listing.

Diversity: HR Green recognizes the importance of providing a diverse workforce. Our corporate and St. Louis Office staffing plan is committed to meeting the Department of Labor diversity goals. Currently, the St. Louis Office is 27% Minority/Women. We welcome a variety of ethnicities, religious beliefs, and customs. We actively pursue additional diverse candidates for our organization through current job openings.

Qualifications of Key Personnel:

For these types of projects, **Jason Dohrmann, PE**, would be proposed as the Project Manager. In his 14 years of experience (9 with HR Green), Jason's work has primarily involved the project management and execution of various transportation projects throughout the St. Louis region and the State of Missouri. His expertise includes all aspects of technical design for infrastructure-related projects varying from residential street reconstruction to traffic, construction management and planning on very large projects. However, it is his expertise in the understanding of federally funded infrastructure projects, and navigating his clients through the federal aid process (managing submittals for design, NEPA-related tasks, schedules, budgets and project-related documentation) which leads to successful results.

Rick Brown, PE, PTOE, of HR Green would serve as the Technical Advisor for these types of project, assisting Jason in design decisions, and providing QC oversight during the life cycle of the projects. With over 26-years of experience (including 12 years with MoDOT St. Louis District), Rick has served in project management/advisor roles on a wide range of roadway improvement projects including roadway widening plans, resurfacing plans, rehabilitation plans, interchange studies, intersection improvement / feasibility studies and design. Rick is extremely well versed in federal and local standards, policies and procedures pertaining to federally-funded projects.

Drew McGovern, PE, of HR Green would serve as the Project Engineer for these projects. He will lead the preparation of the construction documents for the projects and evaluate the benefits/impacts of design options on the established budget. Drew's strengths include his understanding of the effects of design solutions on project costs and his ability to provide innovative solutions to technical problems.

Kori Rauh, EI, of HR Green will serve as a Staff Engineer for these types of projects. Kori has completed design tasks for conceptual, preliminary, right-of-way, and final construction documents. Kori is well-versed in striping and signage, erosion control, quantity computations, as well as, cost estimating using BidTabs Pro. At her previous employer, she completed drainage and traffic staging plans for a major project that included 35 miles of roadway widening from 2 to 4 lanes for the Georgia DOT.

Subconsultants: For many projects, there are a variety of services that HR Green does not provide under our company's umbrella of services, including surveying, geotechnical investigations, subsurface utility exploration, and others. When

project needs require these services, we have established relationships with local, statewide, and national partners. Many of these companies are women-owned, minority-owned, and/or veteran-owned. On a project-by-project basis, we select our teaming partners based on qualifications and locale to help us complete the project.

Past Performance: HR Green takes pride in the work we perform. Our number one goal being to serve our clients with the quality and responsiveness they deserve and expect. That being said, we encourage prospective clients to contact any of our references for their opinion of what to expect from HR Green. Each project listed below contains detailed information on similar projects demonstrating our team's capabilities and capacities with respect to roadway design.

STP-5602(618) | Route 109 / Pond-Grover Loop Road | City of Wildwood, MO

This project consisted of widening from two to four lanes, shouldering, full-depth pavement reconstruction, resurfacing, and drainage improvements of Route 109 through Wildwood. Additionally, two multi-use trail crossings (one box culvert and one prefabricated bridge), 1,800 feet of new multi-use trail, raised medians and two new 2-lane roundabouts were provided, as well as bioretention and other water quality features.

Reference: [Ryan Thomas | 636.458.0440 | rthomas@cityofwildwood.com](mailto:rthomas@cityofwildwood.com)



STP-5401(633) | International Plaza Drive | City of St. Ann, MO

HR Green's federally funded project involved a "road diet" where the center median was widened, the driving surface was reduced from four lanes to two, and dedicated bike lanes were added to both sides of the pavement. In addition, a multi-use trail was developed on one side of the roadway. The roadway is sloped to drain toward the center median into a bio-retention area created to slow down and clean the water before it enters the downstream creek.

Reference: [Matt Conley | 314.427.8009 | mconley@stannmo.org](mailto:mconley@stannmo.org)



STP-4901(620) | Spellman Avenue, Phase 1 & 2 | City of Crestwood, MO

This federally funded project will widen the existing driving surface to include 27-ft. of new pavement with curb and gutter on each side of the road. A 5-ft.-wide, pervious-concrete sidewalk (for water quality) will also be constructed, as will a new, pervious trail and pervious-paved parking lots within the adjacent Spellman Park. To address the project's water quality needs, HR Green is combining the stormwater culverts into one central treatment location.

Reference: [Mike Pratt | 314.729.4720 | mpratt@ci.crestwood.mo.us](mailto:mpratt@ci.crestwood.mo.us)



STP-9900(558) | Passover Road, Phase 1 & 2 | City of Osage Beach, MO

This federally funded 1.6-mile-long project widened the existing 20-ft. roadway to 48 ft., added concrete curb and gutter, enclosed the drainage system, and added sidewalks. The project also included street lighting, roundabout design, and aesthetic improvements. The profile was adjusted to AASHTO standards for minimum vertical grades, thus improving sight distances.

Reference: [Nicholas Edelman | 573.302.2020 | nedelman@osagebeach.org](mailto:nedelman@osagebeach.org)



STP-7303(604) | Caulks Hill Road | St. Charles County Highways Dept., MO

Improvements on this federally funded project included new full depth roadway pavement and widening, modifications to tie new sidewalks into the Katy trail, and 10-ft tall retaining walls to hold back / hold up the roadway and adjacent slopes. In addition, the existing drainage areas (which previously caused major area flooding) required the design of two box culverts to accommodate the upstream and project runoff. HR Green used innovative mobile Light Detection and Ranging (LiDAR) surveying supplemented by traditional surveying methods.

Reference: [Chris Bostic | 636.949.7305 | cbostic@sccmo.org](mailto:cbostic@sccmo.org)



Familiarity/Capability: HR Green combines engineering services with a diverse array of professional offerings including technical and management services. We enjoy a longstanding reputation for business accountability, partnering with clients to design, construct, own and operate successful enterprises. HR Green's professionals make accountable decisions that benefit clients at every stage of their journey, from planning, design and construction through operation and maintenance. We help private and public sector clients with successful enterprises in the following markets: Transportation, Water/Wastewater, Energy, Governmental Services, and Senior Living.

In Missouri, HR Green has a team of twenty-two (22) employees that have completed over forty roadway design projects in the ten years since we started this office. Of those projects, almost half were completed using federal funds. Our local staff is extremely well versed in all aspects of the federal funding process including the preparation of TIP applications, grant writing, project design and implementation, construction observation, and construction administrative duties such as project closeout reporting. Because we understand the process and work well with those at MoDOT who oversee the fund expenditures, we are able to help manage the process and obtain appropriate clearances so that projects can be delivered on time. And by understanding the process, we also help our clients to make what seem to be impossible schedules a reality. Such as in the case of the ARRA process where we were designing projects from start to finish in three to four months. HR Green is proud of our track record of never having project funding pulled because of missed schedules or missed approvals.

Accessibility of Firm & Staff: HR Green's office is in St. Louis, located centrally to serve the needs of all our clients in the metro St. Louis region. This location does not preclude us from working effectively in other parts of the state, as we have consistently shown cities 2+ hours away unparalleled responsiveness and level of service they could not get locally in their cities. And that is not just us saying that. In our *Green Commitment* surveys that we send to current and past clients each year, the one item that shows up time and time again is responsiveness – when they call or email the Project Manager from HR Green, they get a timely response with either a solution to their issue or a timeline and plan for when a response will come.

In addition, HR Green is one of only a few engineering firms to have fully invested in the "Cloud", meaning all our offices work from a central data server. This is a huge advantage for our firm and our clients in that it allows employees to access their "computer" and files anytime, anywhere through a simple internet connection. Drawings, programs, submittals, emails, and other information is easily accessible during meetings, at conferences, or from home so that our staff is always able to be responsiveness.

Why Select HR Green? We have attempted to demonstrate in this Letter of Interest that HR Green has the technical competence and the past experience to perform roadway design services for a variety of projects meeting the requirements of this solicitation. Our design team has a multitude of experience on similar projects for similar clients and a proven track record in meeting or exceeding client expectations. The project team's previous experience with federally funded projects demonstrates our knowledge of the process and understanding of the requirements that come along with the funding. HR Green has the ability to deliver complex design solutions on a variety of roadway projects with varying scopes and sizes. Please give us a chance to be an on-call provider of roadway professional services to the local municipalities across the state, and prove to them that our Team is the right team for their jobs!

Sincerely,

HR GREEN, INC.



Jason S. Dohrmann, PE

St. Louis Site Leader / Regional Director – Transportation



transportation



Introduction to HR Green

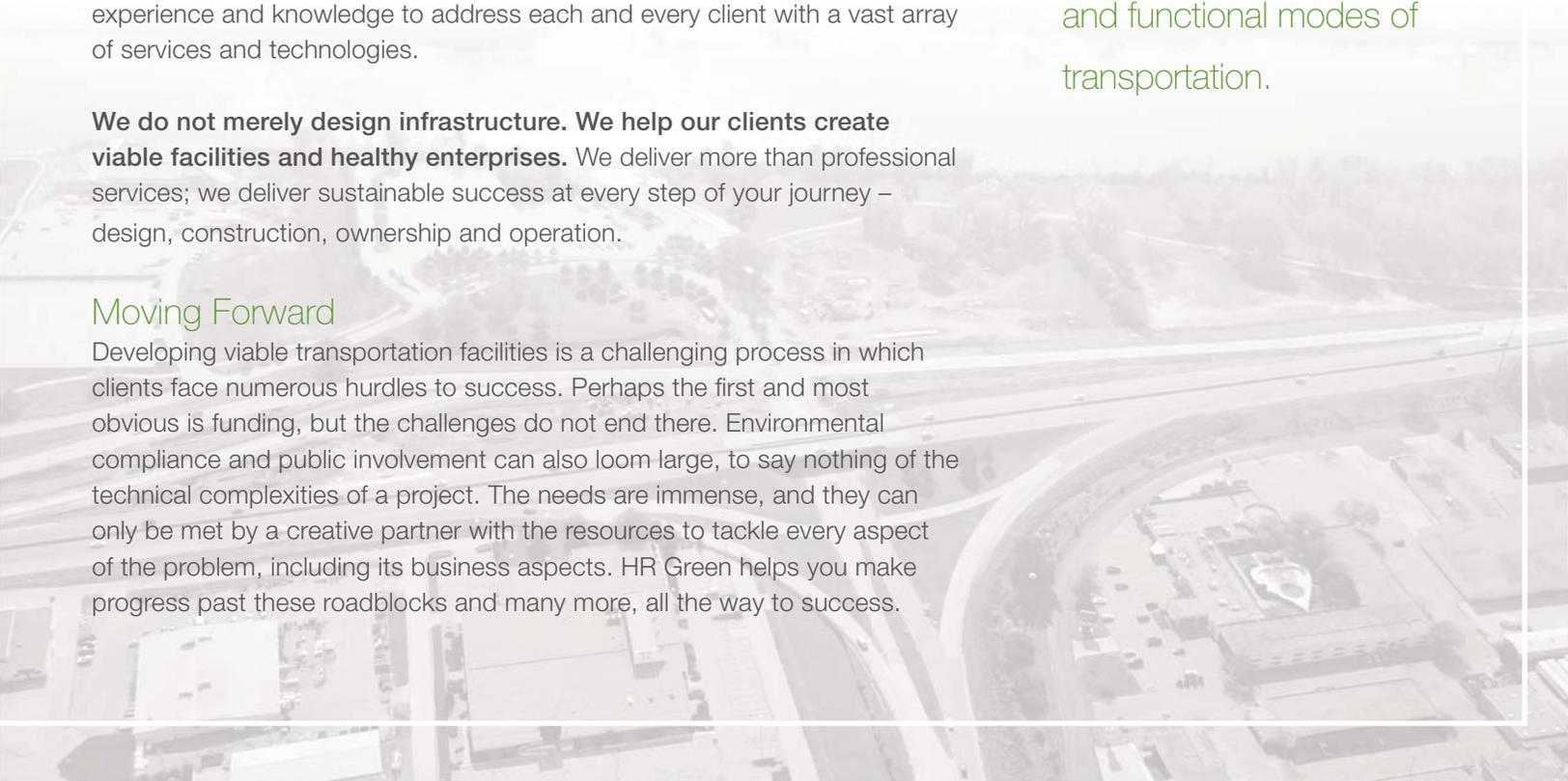
HR Green, Inc. (HR Green) has been in continuous operation for over 100 years and is a confluence of the former Howard R. Green Company with other successful companies who have joined together to form one strong organization. HR Green is a firm of nearly 400 skilled professionals with the experience and knowledge to address each and every client with a vast array of services and technologies.

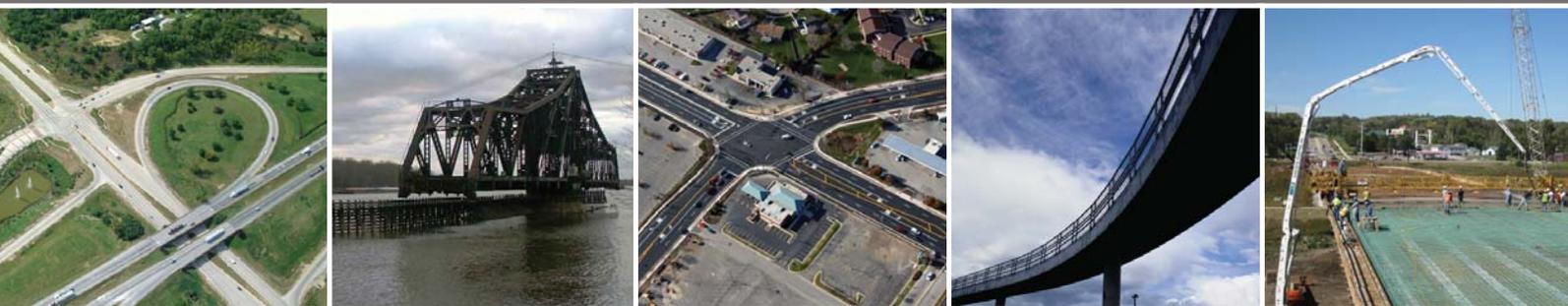
We do not merely design infrastructure. We help our clients create viable facilities and healthy enterprises. We deliver more than professional services; we deliver sustainable success at every step of your journey – design, construction, ownership and operation.

Moving Forward

Developing viable transportation facilities is a challenging process in which clients face numerous hurdles to success. Perhaps the first and most obvious is funding, but the challenges do not end there. Environmental compliance and public involvement can also loom large, to say nothing of the technical complexities of a project. The needs are immense, and they can only be met by a creative partner with the resources to tackle every aspect of the problem, including its business aspects. HR Green helps you make progress past these roadblocks and many more, all the way to success.

HR Green connects people, places and products by creating safe and functional modes of transportation.





Highways/Bridges Services:

- Funding procurement
- Transportation planning
- Traffic engineering
- Public involvement
- NEPA environmental services
- Drainage planning and design
- Roadway and structural design
- Construction phase services

By combining the latest technology with community leadership and business accountability, HR Green tackles the many challenges of a project.

Traffic Services

- Intelligent Transportation Systems
- Interconnect designs
- Traffic conflict studies
- Traffic control plans
- Traffic impact studies
- Traffic operation modeling
- Traffic signal studies

Delivering More

The global economy depends on safe and efficient transport of people and products. With a century in the transportation consulting business, HR Green understands the needs of transportation clients in the practice areas of Highways & Bridges and Construction.

Highways/Bridges: Our Highways & Bridges practice is a core business of our company. From local, urban streets to interstates, HR Green covers every phase of project development. Clients look to HR Green for much more than plans and specifications. In many cases, they depend on us for a careful assessment of the project's financial, political and environmental challenges, as well. We tackle those challenges by combining the latest technology with the community leadership and business accountability that have been hallmarks of HR Green for a century.

Our Highways & Bridges clients include cities, counties and states across the nation, as well as toll-way authorities, private corporations and the federal government.

Traffic: HR Green strives to help our clients balance quality of life and safety by improving transportation infrastructure and traffic operations systems that support transit and emergency service and other modes of transportation, making our communities more livable, attractive and safe. We provide a full range of services from traffic impact studies, corridor studies, traffic signal studies and design, traffic safety evaluations, road safety audits and access management plans to traffic operations models, urban interchange and intersection design, roundabout design, implementation of the Safe Routes to School Program and funding applications for a variety of traffic improvement projects.

We focus on safe and efficient traffic flow, such as road geometry, sidewalks and crosswalks, bicycle and pedestrian facilities, shared lane marking, traffic signs, road surface markings and traffic lights.

Environmental Services: HR Green has staff members with national expertise in environmental compliance and are prequalified where needed to provide Environmental Assessment and Environmental Impact Statements. HR Green teams with our clients to identify and address environmental concerns, comply with regulatory requirements and apply the latest in technology and thinking to arrive at solutions to projects. This allows us to avoid project delays and lead projects through multiple challenges.

Construction: At HR Green, construction services are not a mere afterthought provided by personnel whose true specialty is design. Helping our clients through the critical construction phase is so important, that we established an entire practice area within our company to specialize in this discipline. Our construction professionals ensure long-lasting, low maintenance facilities while managing our client's investment throughout construction. We are experts in providing documentation and final records necessary for full reimbursement from funding authorities.

Moreover, we do not wait until plans are finished before we involve the trained eye of a construction professional. We perform constructability reviews early in the design process whenever possible, even as early as the preliminary design phase. Above all, we want constructible projects. This approach frequently pays off in the form of favorable construction bids for our clients.

Environmental Services

- Noise and Special Studies
- Land use inventory/evaluation
- Contaminated sites (Phase I & II ESA)
- Socio-economic and environmental justice issues
- Endangered/threatened species
- Air quality
- Cumulative and indirect impacts
- Wetlands mitigation

HR Green keeps your projects and programs moving forward.

Construction Services

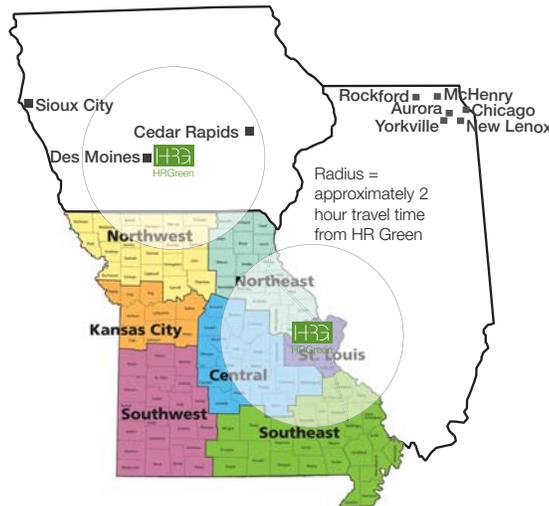
- Contract administration
- Construction observation
- Construction management/owner Representation
- Project accounting and material tracking
- Performance records and payment
- On-call troubleshooting
- Constructability reviews
- NPDES erosion control services



With a staff of nearly 400 people and offices in 9 states, HR Green has employed the latest technology, moving to a virtual environment.

This allows our staff more efficient access to files and data, across all geographies providing improved mobility and delivery of projects.

REGIONAL LOCATIONS



HR Green has 16 offices, primarily located in the Midwest with additional offices in Texas, California, Colorado and Pennsylvania. Our Midwest offices are located throughout Illinois, Iowa, Minnesota, South Dakota, and Missouri. Our local Missouri professionals and regional focus allows us to easily provide specialty services to and handle peak workloads for MoDOT and local agencies from our offices throughout the region.

HR Green provides comprehensive services for planning, design and construction of streets and highways and bridges.



Contact **Jason Dohrmann, PE**
Direct 636.812.4209

Toll Free 800.728.7805
Learn more at HRGreen.com

transportation
water
governmental services
senior living
energy

Business Accountability

HR Green is a professional engineering and technical consulting firm serving clients throughout the United States and beyond. We enjoy a longstanding reputation for business accountability. We are a privately held, employee-owned company, fully committed to the success of our clients and the well-being of our employees.

Business accountability means that we partner with our clients to create viable facilities and healthy enterprises that are truly sustainable for the client.

We work this way with every client, whether in the public or private sector, and at every step of their journey: design, construction, ownership and operation.