HDR Engineering, Inc. | hdrinc.com

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Columbia: 3610 Buttonwood Dr., Suite 200 | Columbia, MO 65201 | 573.886.8931

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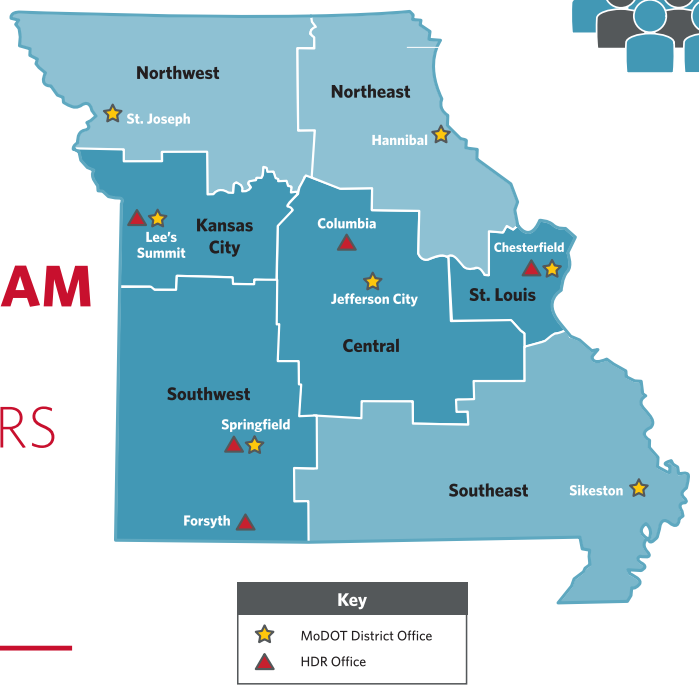
OUR TEAM BY THE NUMBERS



11,000+ HDR STAFF

200+ MISSOURI STAFF

105 YEARS

5 MISSOURI OFFICES

2022 ENR Rankings

- **#5** Transportation
- **#3** Bridges
- **#5** Highways
- **#7** Mass Transit & Rail
- **#13** Airports
- **#14** Environmental

We are proud to call Missouri our home.

At HDR, we are a part of every community where we work, especially here in Missouri. We know the local business, culture, requirements, and regulations in Missouri so we can anticipate challenges and quickly address issues to make the experience seamless for you.

Local Commitment, Regional Focus. With over 200 employees in Missouri, HDR has served the state and many local communities since 1993. Our experience and team's knowledge will result in quick mobilization of the necessary technical resources supported by our experience and proven track record with MoDOT staff and understanding of your processes and requirements.

Ownership

HDR is an employee-owned corporation.

The sole equity owner of HDR is the HDR, Inc. BEST Plan and ESOP, 8404 Indian Hills Drive, -Omaha, NE 68114 | 402.399.1000.

Our Transportation Services

We add value by designing smart. We have the skills and the ability to tailor our approach to each project and deliver our best work to you.

Bridges & Structures

HDR's bridge staff capabilities are well known to MoDOT. Our experience includes not only highway bridges but also historic bridges, movable bridges, major river crossings, pedestrian, and directional interchange structures.

Construction Inspection

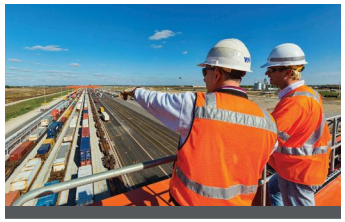
Our skilled construction engineering and inspection staff members are available to supplement MoDOT construction staff and support delivery methods, and complete projects in accordance with approved contract documents.

Electric Vehicles & Infrastructure

As states complete their NEVI plans, HDR has been assisting with next steps to bring these infrastructure plans closer to reality. Our experts are prepared to assist you in meeting your short- and long-term targets.

Environmental Sciences and Planning

HDR's experience ranges from environmental analysis and planning to permitting. Our professionals provide expertise in air quality, endangered species, cultural resources, noise and acoustics, and more.

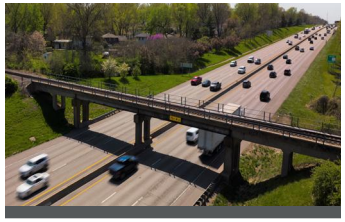


Freight Rail

HDR freight rail staff have existing relationships and project experience with all Class I rail companies including BNSF, Union Pacific, and Norfolk Southern. We offer expertise to liaise with the rail companies and with the MoDOT Rail Group.

Funding & Grant Services

Since 2009, USDOT has awarded almost $14.5 billion in federal grants through various programs (i.e., BUILD, INFRA, CRISI, and PORT). HDR has supported more than 95 successful grant applications under these programs.

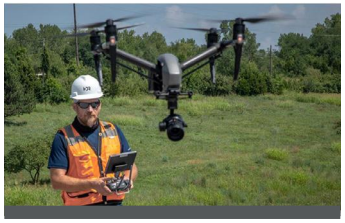


Highways & Roads

Our Missouri roadway staff is familiar with MoDOT requirements and can provide you with construction plans within the most challenging time frames. We also collaborate with other disciplines within our office when the need arises.

Strategic Communications

Our Strategic Communications practice brings creative strategists, public relations professionals, designers, writers, and technical experts together to create powerful connections between organizations and the people they serve.



Survey

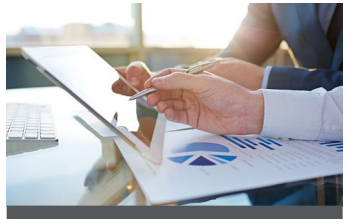
We provide a full range of services including LiDAR, GIS mapping, construction progress and documentation, infrastructure surveying, project mapping and 3-D spatial monitoring.

Traffic Analysis & Engineering

HDR's traffic staff have the expertise and breadth to support multimodal operational/safety analysis, traffic design, signal timing, transportation planning at any scale (including statewide), and basic research.

Transportation Technology

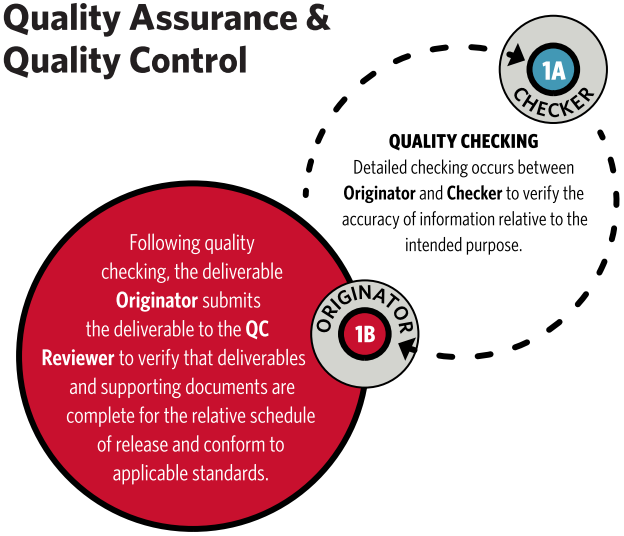
HDR staff are specialists in Intelligent Transportation System Technology and other emerging technologies. Technology options are ever-changing, and we work to stay on top of, and help advance, new developments.



Value Engineering

Our services include Risk Assessment, Alternative Performance Analysis, Decision Analysis, and Cost Estimate Validation. Our recent MoDOT project experience ranges from large to small transportation projects.

Quality Assurance & Quality Control



QUALITY CONTROL REVIEW PROCESS

QC REVIEWER 2

QC reviews are conducted by **experienced personnel** who are not otherwise involved in producing the documents or directly involved in providing the services; these reviews provide impartial assessments and allow personnel to consider project objectives as well as technical details.

COMMENT RESOLUTION

ORIGINATOR 3

Upon completion of the QC review activities and receipt of the review comments, the **Originator** reviews the comments and makes necessary changes and additions to the original document.

QC REVIEWER 4

To verify that the intent of the review comments has been addressed, the **QC Reviewer** reviews the revised document and discusses comment resolutions with the **Originator**, **Discipline Lead**, and/or **Project Manager.**

APPROVAL OF DELIVERABLE

PROJECT MANAGER 5

The **Project Manager** verifies that the QC review process has been followed and approves the deliverable for submittal or use.

Workforce Diversity

Together, we build on each other's life experiences and perspectives to make great things possible every day.

We believe a variety of perspectives makes our company stronger. Our work environment includes employees of different generations, genders, races, nationalities, sexual orientations, abilities, religions, and ethnicities who work together to deliver one-of-a-kind services to our clients.

HDR's award-winning **National Supplier Diversity Program** is a corporate commitment to invest in the health and stability of our communities. The program promotes and encourages competitive subcontracting opportunities by embracing partnering relationships with the diverse socioeconomic and small business community through outreach, qualification, training, education, mentoring, and utilization.

In 2020, we launched employee network groups (ENGs) to broaden awareness and promote inclusion. These include:

- A training program to help heighten awareness of unconscious biases.
- A web-based tool to prepare our team members for working in other countries and with other cultures.
- Cultivating a more diverse workforce through key partnerships with universities and local schools that support students in math, engineering, and science.

> *"Our journey to become a more inclusive and diverse organization that builds upon the best in all of us is exciting."*
>
> HDR Chairman and CEO Eric Keen

Safety is integrated into the culture of HDR.

As an employee-owned company, nothing is more important to us than the health and safety of our employees and partners. Our goal is always that everyone goes home safe.

We support our safety culture through a comprehensive health and safety program that has received national recognition for excellence. It includes extensive mandatory safety training for all employees and is supported by a team of certified safety professionals who help project teams as they navigate the sometimes complex web of local and national health and safety regulations.

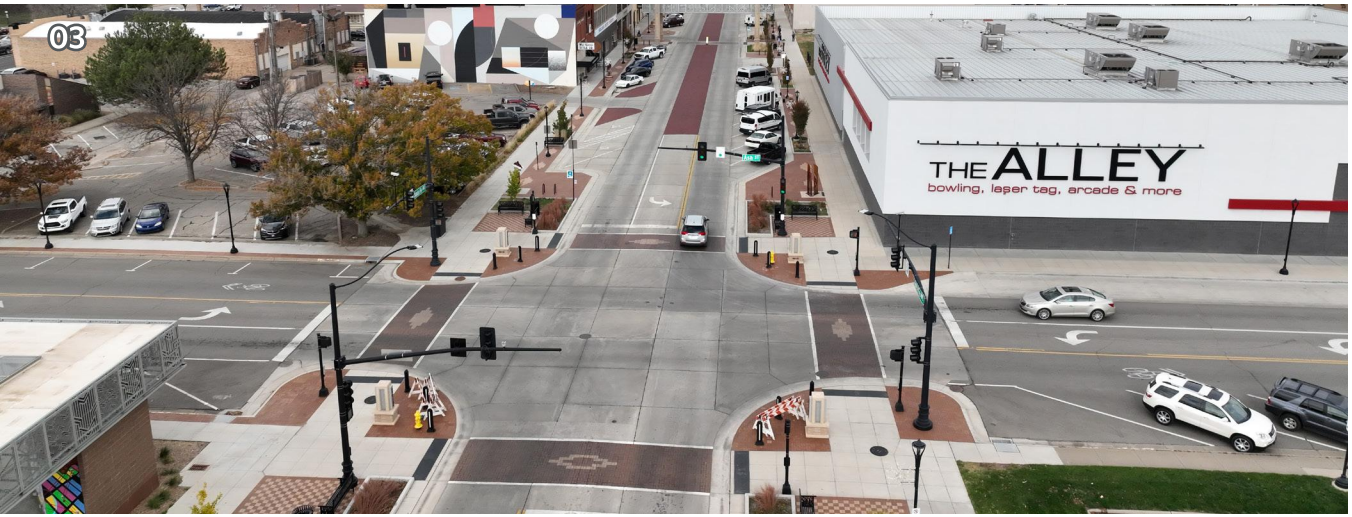
Our people-centered safety culture has enabled us to maintain one of the best safety records in the industry. Our OSHA statistics are consistently lower (0.2 vs. 0.5 for recordable incidents and 0.12 vs 0.3 for lost days) than the industry average for our NAICS code (5413-Architectural, Engineering, and Related Services).

Effective Project Management

The mainstay of a project is the Project Management Plan (PMP). The PMP defines the vision; implementation strategy; schedule and budget criteria; and the policies, procedures, and standards for the project.

The PMP is the master reference document for the team and provides guidance to subconsultants engaged throughout the life of the program, from inception through planning, design, and construction. The PMP provides a level of continuity and standardization to facilitate cost-effective communications and decision-making.

The PMP serves as a formal process for reviewing, evaluating, prioritizing, documenting, approving, implementing, and maintaining all aspects of a project.



01 Green Hills Road, Kansas City, MO | *Kansas City District LPA Project*

This section on the Green Hills corridor east of Lake Waukomis was expanded from a two-lane rural section to a multimodal three-lane roadway with turn lanes, 5' sidewalk, 10' shared-use path, curb and gutter, street and pedestrian lighting, and an enclosed storm sewer system with water quality treatment BMPs. This project also includes new 24" water transmission and 8" distribution water mains. Green Hills received federal funding and was approved through the MoDOT LPA process and procedures.

02 MoDOT Grant Writing & Economic Analysis On-Call | *Statewide*

HDR is leading the development of formal responses to federal grant solicitations. This work includes grant requirement reviews, collection of data required for responses, interviews with grant recipient stakeholders, writing the grant response, economic analysis of the grant request including a benefit-cost analysis, development of graphics, review meetings with MoDOT, and creation of the final grant response document for MoDOT's official submission.

03 Downtown Streetscape Improvements | *City of Salina, KS*

HDR led the planning and design of transforming Santa Fe Avenue from a four-lane roadway to a two-lane roadway with added angled business frontage parking, decorative medians and intersection pedestrian space, and recycled pavers. Widened stamped concrete sidewalks were added as enhancements and to accommodate outdoor café seating. Additional design elements included new landscape beds and planting, seating areas, bike racks, public plazas, gateway monuments, and architectural overhead structures at mid-block crossings. Streetscape features were designed to connect with downtown Salina entertainment and tourism attractions.

04 Jumping Branch Trail & Pedestrian Bridge | *City of Riverside, MO*

HDR provided engineering services for the bridge layout, final design, and specifications for 2/3 mile of trail. The project included two pedestrian bridge designs, permitting work with field investigation, H&H work to determine bridge opening, and shop drawing review. The new concrete trail is 10' wide along the entire length of the trail through a previously wooded and partially cleared area located just north of City Hall in Riverside.

05 Seckman Road Corridor Improvements, Phase 1 and Phase 2 | *Jefferson County, MO*

HDR performed preliminary, right-of-way, and final design plans for modifications to Seckman Road with the purpose of improving the safety of pedestrians accessing the Seckman K-12 campus and local businesses. A roundabout, complete with pedestrian facilities, was constructed at the intersection of Old Lemay Ferry. Two signalized intersections were added at the Seckman High School entrance and at Arrow Ridge Place/Seckman Middle School. This project was designed per MoDOT LPA standards.