



**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:

HDR Engineering, Inc.

Firm Contact Name:

Andrew Potthast, P.E.

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Kansas City, MO 64131

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**



December 12, 2025

Ms. Ashley Buechter, PE, Local Programs Administrator
Missouri Department of Transportation Central Office - Local Programs
105 West Capitol Avenue, PO Box 270
Jefferson City, Missouri 65102
Re: Letter of Interest | LPA On-Call Professional Services

CATEGORY: HISTORIC PRESERVATION

Dear Ms. Buechter and Members of the Selection Committee,

HDR Engineering, Inc. (HDR) has a proven history of providing a high level of client service and developing practical solutions to a wide range of preservation challenges, which is why we are eager to provide on-call historic preservation services to Local Public Agencies (LPAs). Our employee-owners work hard to build trust and rapport, and this dedication has led to HDR being regarded as a trusted advisor by many of our clients.

HDR has a “Client First” focus which is highlighted by an overall strategic project approach and is founded on three key elements:

 **Maintaining effective communication between the LPA staff and the project team.** The primary objective of the Project Manager is to communicate challenges, decision points, and practical design solutions immediately, which keeps the LPA involved in design development, uses time efficiently, and facilitates schedule milestones.

 **Applying context-sensitive and sustainable solutions to the design process to address long-term environmental, social, and economic challenges.** HDR utilizes a multi-disciplinary project team to effectively deliver projects that preserve scenic, aesthetic, historical, and environmental resources while improving safety and mobility.

 **Providing an experienced, local staff that is accessible to our clients to provide excellent service and meet your schedule.** HDR has six offices throughout Missouri, which allows our staff to be in proximity to projects across the state. This facilitates communication and allows our team to attend project meetings and to be on site quickly to address challenges.



I-64 Corridor Improvements,
St. Louis, MO.

General Experience of Firm and Past Performance

HDR has a successful track record of supporting LPAs and the Missouri Department of Transportation (MoDOT) with high-quality cultural resources services for all types of infrastructure projects, ranging from road widenings, to realignments, intersection improvements, sidewalks, and multi-modal paths. HDR’s Cultural Resources team has provided and is currently providing Cultural Resources support for many LPA projects, including the City of St. Louis Reavis/Barracks Road project, the City of St. Louis Union/Lindell project, the City of Washington’s Jefferson Street and 5th Street projects, the City of Belton’s Route 58 Improvements project, and the City of Smithville’s Bridge Street and Streetscape improvement projects, among others.

HDR’s Cultural Resources team has also provided support to many MoDOT projects, most recently including the US 160 over Bull Shoals Lake Bridge Replacement, I-64 Corridor Improvements, and I-29/I-35 Corridor Improvements projects. We also provided extensive support on the Improve I-70 Kansas City project, the I-70 Rocheport Bridge project, and have provided “on-call” services in archaeology and architecture on the Chester Bridge project. Our cultural resources staff members are well-versed in MoDOT LPA requirements as well as those of local, state, federal, and tribal agencies. HDR is also knowledgeable about the Programmatic Agreement (PA) between Federal Highway Administration (FHWA), State Historic Preservation Office (SHPO), ACHP, and Native American tribes. Among other things, the PA delegates Section 106 authority to

MoDOT for overseeing LPA compliance with Section 106 of the National Historic Preservation Act (NHPA). We understand that all actions related to historic properties under the PA must be performed and/or supervised by professionals meeting the Secretary of the Interior’s Qualification Standards (SOI). HDR’s team is comprised of SOI-qualified professional archaeologists and architectural historians, and we are prepared to help LPAs and MoDOT meet Section 106 responsibilities under the PA. The following is an example of projects showing recent relevant experience and performance for LPAs.

St. Louis County Department of Transportation, Reavis Barracks & Green Park Road Improvements, St. Louis County, MO. Under contract to the St. Louis County Department of Transportation, HDR conducted an architectural resources investigation for the Reavis Barracks Road and Green Park Road Improvements Project. The County is proposing to improve the intersection of Reavis Barracks Road and Green Park Road, replace an existing bridge, and improve sidewalk connections to Gravois Greenway (Grant’s Trail). Both archaeological and architectural surveys were included as part of the comprehensive environmental services provided by HDR. The archaeological survey included nine shovel tests and resulted in no cultural resources identified. The architectural survey identified one building of historic age, which was evaluated for National Register of Historic Places (NRHP) eligibility. HDR also supported correspondence and consultation with the Missouri SHPO and MoDOT as part of these efforts.



City of Smithville, Bridge Street Improvements, Smithville, MO.

The City of Smithville proposed improvements to the Bridge Street streetscape from Church Street to First Street, including milling and overlay of the existing street pavement, curb and gutter replacement, sidewalk replacement, storm sewer improvements, bridge railing enhancement, pedestrian lighting, bike arrows, and a crosswalk. A review of the NRHP was conducted, which revealed that the southern limits of the project are located near to the Downtown Smithville Historic District. Impacts within the historic district included a temporary easement for minor grading to replace the sidewalk and tie into the improved sidewalk at Church Street. HDR worked with the City, MoDOT, and the SHPO to review potential impacts, resulting in a determination of “no historic properties affected.” Following coordination with MoDOT, it was determined that an archaeological survey would not be recommended for the project.

MoDOT, I-70, The Paseo to US 40, Jackson County, MO.

HDR prepared a re-evaluation of the Second Tier I-70 EIS for this approximate four-mile I-70 corridor improvement project that consists of lengthening, replacing and removing ramps, replacing bridges, adding connector roads, and improving tight curves. A significant element to the re-evaluation was completing Section 106 reviews through architectural and archaeological surveys. HDR recorded 232 buildings as part of the architectural survey, 213 of which were greater than 40 years old. Analysis revealed that all but one of the resources did not possess the historic or architectural significance necessary to be recommended for listing on the NRHP. MoDOT and the SHPO concurred with these findings, a testament to HDR’s thorough review and sound recommendations. The archaeological survey revisited eight previously identified site locations, consisting of systemic backhoe trenching, analyzing artifacts, and determining if the sites represented archaeological sites with intact cultural deposits. Of the eight, seven met criteria to be potentially eligible for the NRHP, and ultimately two sites were to be impacted by the project. HDR archaeologists provided on-site construction monitoring at these locations and confirmed no signs of disturbance from construction activities.

Qualifications of Personnel

HDR has staff with knowledge and experience in the types of cultural resource projects needed to support LPAs. Most of the proposed core team members are in HDR’s Missouri offices and have worked alongside one another on previous archaeological, architectural, and landscape analysis projects, ranging from individual resources to large-scale projects. The team has experience working for MoDOT and understands how planning, cultural resources, and design disciplines interrelate, allowing us to foresee potential issues in project delivery, and determine solutions working together with all entities. The following are our proposed leads:

Kimberly Byrnes, MA, Missouri-Kansas Cultural Resources Lead.

Kimberly is the Cultural Resources Lead for the Missouri/Kansas region in our St. Louis office, with over 10 years of experience in cultural resources management. She specializes in archaeological compliance, site identification, and site interpretation within several policies, including National Environmental Policy Act (NEPA) and the NHPA. Her experience is particular to the Midwest, including Illinois, Missouri, Kansas, Iowa, and Oklahoma. Her experience spans both the private and public sectors and she is well-versed in field methodologies for conducting archaeological surveys. Kimberly has worked on a variety of projects across the country including cultural resources surveys for bridge replacements, intersection improvements, interstate widening and re-routing, and new local roadway construction.

Cambria Haley, MA, Archaeologist. Cambria is a skilled archaeologist located in HDR’s Kansas City office. She routinely conducts project specific historic research, leads Phase I archaeological surveys, identifies historic and pre-contact sites and assesses them for NRHP eligibility, completes field documentation and reporting, and works with resource agencies. Cambria has 7 years of experience, and has contributed to MoDOT projects, including most recently the Route 160 over Bull Shoals Lake and I-29/I-35 Corridor Improvements projects.

Jessica Wobig, Senior Architectural Historian. Jessica is a senior architectural historian with 22 years of experience leading cultural resources studies and consultations in compliance with Section 106 of the NHPA and NEPA. She is also experienced with applying the Secretary of the Interior’s Standards for the Treatment of Historic Properties and interpreting local landmark ordinances and state regulations. Her experience includes architectural and historic resources surveys, National Register eligibility evaluation, visual impact assessment, historic building documentation, technical writing and research, developing and implementing agreement documents, interactive mapping, preservation plans, and designing historical exhibits. Jessica most recently led the architectural survey on MoDOT’s I-64 Grand Avenue Interchange project.

Additional Cultural Resources Staff and Years of Exp.:

Mary Schmidt, Project Archaeologist – 8 years

Amy Leuchtman, Project Archaeologist – 21 years

Laura Short, Senior Principal Investigator – 19 years

John Ferguson, Architectural Historian – 26 years

Ann Keen, Senior Architectural Historian – 24 years

Jessica Forbes, Architectural Historian – 20 years

US 160 over Bull Shoals Bridge Replacement, Theodosia, MO.





I-70, The Paseo to US 40, Jackson County, MO.

Familiarity/Capability

HDR provides LPAs with cultural resources professionals who are among the best at carrying projects through the Section 106 regulatory process, from the planning stage through construction. We have successfully navigated the Section 106 process as administered by the SHPO, MoDOT, and the FHWA. HDR has assisted MoDOT and other public sector clients in Section 106 compliance for many transportation infrastructure projects, ranging from small- to large-scale.

HDR has been fortunate to work with LPAs on numerous roadway, bridge, trail, and sidewalk projects. In that capacity, we have provided and/or supported the LPAs in compliance with Section 106 of the NHPA. Our cultural resources staff also works closely with design staff to develop project alternatives to deliver context-sensitive solutions that benefit historic resources and the surrounding community. This includes collaborating on methods to reduce impacts to historic resources through avoidance or mitigation measures. In these efforts, HDR staff have been working with MoDOT Historic Preservation's team, including Rachel Campbell, Vincent Warner, Jordan Cuneio, and Brianne Greenwood. HDR has a thorough understanding of the NHPA and MoDOT's EPG 127.2, which explains how MoDOT complies with Section 106 of the NHPA. HDR's understanding of these guidelines and MoDOT's expectations will minimize startup time and streamline our team's ability to perform on-call LPA services.



Safety is integrated into the culture of HDR. We implement a comprehensive health and safety program that has received national recognition for excellence. We understand that no project is the same and develop custom-fit safety plans to address each project's unique needs. HDR is committed to a safe work environment, and each member of our field staff has at least an OSHA 10-hour safety training certification.

Accessibility

HDR has over 375 employees in the state of Missouri with offices in Kansas City, St. Louis, Springfield, Columbia, and Forsyth, which gives us the flexibility to respond quickly. Although our Missouri transportation staff is focused primarily in Kansas City, St. Louis and Springfield, we have worked on transportation projects in all MoDOT districts and have proven our responsiveness and availability to the Missouri's Local Program numerous times over our long-shared history. Our offices also work seamlessly together through online collaboration tools including ProjectWise and Microsoft Teams to allow us to provide the staff and expertise needed. This is especially beneficial to providing you the services needed for on-call services that are typically short in duration and unexpected.

HDR Is The Right Choice. HDR values our relationship with MoDOT and appreciates the opportunity to submit our Letter of Interest for LPA Historic Preservation services. Our team members have the experience and availability to successfully perform any work assignments that are deemed necessary and appropriate for on-call services. We have proven our capabilities to bring the right expertise and resources to your projects regardless of technical, resource and schedule requirements. We look forward to the opportunity to work with all of Missouri's Local Public Agencies as an on-call partner.

Sincerely,

HDR ENGINEERING, INC.

Cory Imhoff, PE, SVP
MO/KS Area Manager

Andrew Potthast, PE, VP
Master Contract Manager

We are proud to call Missouri our home.

At HDR Engineering, Inc. (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 375 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 Missouri Department of Transportation (MoDOT) staff and understanding of your processes and requirements.

Six Missouri Offices

With offices throughout the state of Missouri, our team has worked on projects in all MoDOT districts, including some of the state’s most significant and intricate infrastructure projects in recent years.

- St. Louis
- Kansas City - Holmes Rd.
- Kansas City - Main St.
- Springfield
- Forsyth
- Columbia



While HDR’s services have evolved to meet increasingly complex challenges, one thing that hasn’t changed is commitment to the values upon which HDR was founded. These values include respect, integrity, empowerment, innovation, teamwork, and responsibility. HDR’s mission is to be a superior professional firm known for vision, value, and service to our clients, our communities, and employees. Whether a project challenge is large or small, complicated or straightforward, **we have the depth of resources and expertise to help you achieve results.**

Ownership in Our Success

Your success is our success. HDR is 100% employee owned—it’s a unique part of our culture that instills passion and responsibility. All employees from our administrative assistants to the CEO can purchase stock based on 401(k) contributions. We come to work each day knowing that what we do benefits our clients as well as the value of our company.



Missouri Offices

Kansas City:

10450 Holmes Road, Suite 600
Kansas City, MO 64131 | 816.360.2700

4801 Main Street, Suite 450
Kansas City, MO 64112 | 913.329.9900

St. Louis:

1001 Highlands Plaza Drive, Suite 200
St. Louis, MO 63110 | 314.425.8300

Columbia:

3610 Buttonwood Drive, Suite 200
Columbia, MO 65201 | 573.886.8931

Springfield:

2144 East Republic Road, Suite B203
Springfield, MO 65804 | 417.351.6500

Forsyth:

187 East David, PO Box 969
Forsyth, MO 65653 | 417.546.3218

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Jason Haynes, PE, PTOE
Springfield Office Principal
417.351.6517

Scott Heavin, PE, AVP
Business Development Leader
816.360.2798

2025 ENR Rankings

HDR is consistently ranked among the top engineering firms by leading industry publications, including Engineering News-Record (ENR), which has ranked HDR in the Top 50 design firms since 1967, and in 2025 ranked us at **number 6** of the Top 500 Design Firms.

- No. 5** Top 20 in Transportation
- No. 2** Top 25 in Bridges
- No. 5** Top 25 in Highways

- No. 5** Top 25 in Mass Transit & Rail
- No. 13** Top 25 in Airports
- No. 20** Top 200 Environmental Firms





Aviation

HDR has a staff of over 160 aviation professionals serving over 150 airports worldwide. Several of these airports are right here in Missouri, and HDR staff has worked with MoDOT aviation staff to build and maintain these vital economic assets.



Building Engineering Services

BES collaborates with all business groups and market sectors across HDR. We understand the performance expectations of MoDOT's building and site portfolio and we bring a proven, Missouri-based team ready to respond across all districts.



Bridges and 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

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.



Environmental Services

HDR's experience ranges from environmental analysis and planning to permitting. Our professionals provide expertise in air quality, endangered species and wetlands, 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, CPKC, 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.



Right of Way Acquisition

Nationwide, we have over 200 real estate and Right of Way professionals, including our team of approved MoDOT Negotiators. Our staff is familiar with MoDOT Right of Way policies, federal laws and regulations, including the Uniform Act.



Strategic Communications

Our Strategic Communications practice brings creative strategists, public relations professionals, graphic designers, and writers 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 to support multimodal operational/safety analysis, traffic design, signal timing, transportation planning at any scale (including statewide), and basic research.



Transportation Technology

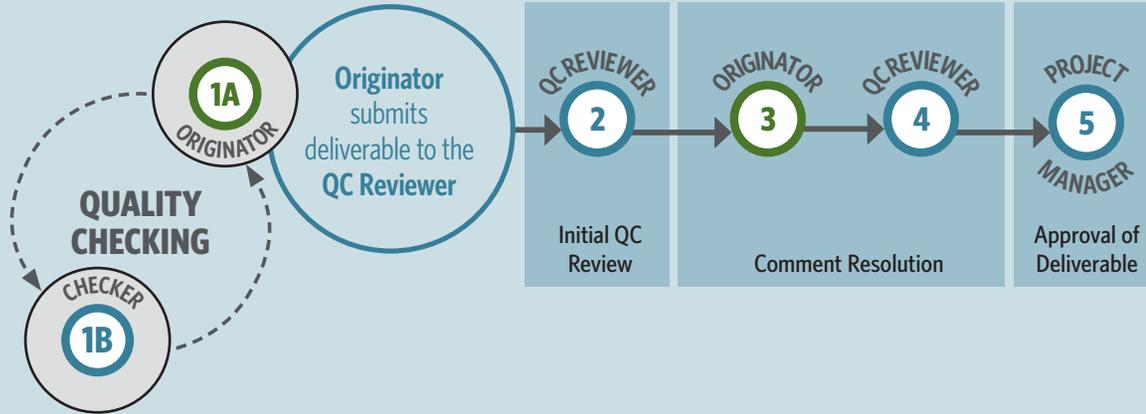
HDR staff are specialists in Intelligent Transportation System Technology and other emerging technologies. Technology options are ever-changing, and we work to stay on top of and advance new developments.



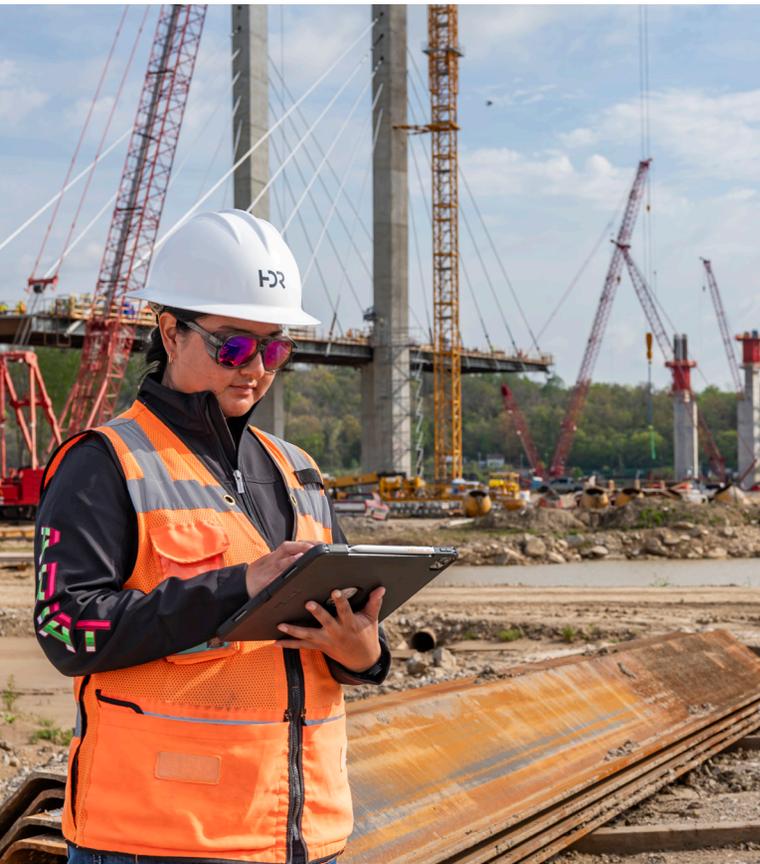
Value Engineering

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 and Control



HDR requires a Quality Assurance/Quality Control plan for every project. We provide the same high-quality QA/QC approach during each phase of a project, and for each level of documentation required to complete the construction records. The project records will go through a review by a project quality manager and/or construction engineer who is familiar with the DOT procedures, prior to delivery throughout the life cycle of the project.



Safety at 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

HDR's practice is to generate a Project Management Plan (PMP) for every project. Our project management plan (PMP) is customized based on the needs of the project and is derived from proven HDR strategies. The PMP provides guidance to the internal team and subconsultants engaged throughout the life of the program, from inception through closeout. The PMP serves as a formal guide for how the PM has planned to evaluate, prioritize, document, review, approve, and implement the project components.

The PMP defines project resources and includes client contact information, project description, scope of work, deliverables, budget, administration procedures, and filing requirements. It also covers communication methods, such as file storage and sharing and documentation. The PMP



includes a project-specific Quality Management Plan and describes how the team will handle safety, which helps maintain high levels of quality and a safe work environment.

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.



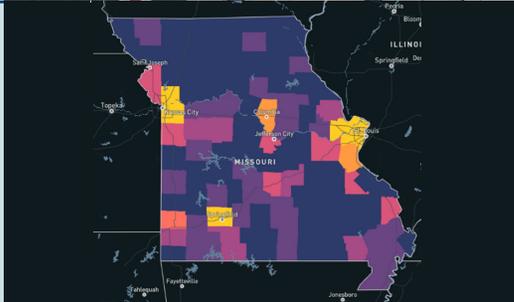
Green Hills Road Improvements | Kansas City District LPA Project

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. Some of the interesting and challenging aspects of the project included the roadway and adjacent land stormwater management and design, connections to area assets including existing schools, neighborhoods, parks, and the Line Creek Trail. The improvements also included a neighborhood drainage component, as existing open flow through residential back yards were converted to an enclosed system, allowing for flatter and more enjoyable back yards for seven parcels.



Kansas City Streetcar Mainstreet Extension Traffic Signals, Signage, and Pavement Markings | City of Kansas City, MO

HDR served as the lead design firm for the KC Streetcar Main Street Extension, guiding the project from early planning through final design in less than two years from initiating the Alternatives Analysis. The 3.5-mile extension expands the streetcar line from Union Station south along Main Street, continuing past the Country Club Plaza and terminating at the UMKC campus at 51st Street. Construction was completed in October 2025. Project improvements included the replacement of traffic signals at all 19 existing signalized intersections, along with new corridor-wide signage and pavement markings. HDR brought the entire corridor into full ADA compliance by incorporating new accessible ramps, accessible pathways, and accessible pedestrian signals. To support efficient operations, HDR developed a custom pavement marking and signage plan establishing transit-only lanes in the existing outside lanes. These exclusive lanes prioritize streetcar movements, improving safety, reliability, and overall operational performance.



MoDOT Vulnerable Road Users (VRU) Safety Study | Statewide, MO

This project updated MoDOT's first vulnerable road user (VRU) safety assessment from 2023 as part of the State's 2025 Strategic Highway Safety Plan. The update provided a major overhaul of the existing plan, including new data analysis, agency consultations, strategies, and a program of projects. HDR conducted an innovative systemic risk analysis and developed area-based Safety Performance Functions using forthcoming HSM 2nd Edition methodology. A statewide systemic risk assessment was completed, and a High-Injury Network (HIN) was created. The final deliverable was a comprehensive safety plan for pedestrians and cyclists. This plan identified a program of projects and included a toolbox of strategies, countermeasures, and actions for state and local agencies. These efforts aimed to improve safety and save vulnerable road users' lives on Missouri roads.



Jumping Branch Trail and 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. The trail connects pedestrians on the north side of Riverside to other areas in the community. The south pedestrian bridge is a 140' long prefabricated steel truss bridge with a 10-foot-wide concrete deck. The north low-water crossing is a single-span concrete girder bridge with a wider deck surface. Both bridges are founded on driven steel piling.



Jefferson Street Reconstruction and ADA Compliance | City of Washington, MO

HDR is responsible for the rehabilitation of a one-mile section of Jefferson Street from Fifth Street to Route 100. The project involves full width cold mill and installation of a new two-inch asphalt surface along the full corridor, reconstruction of existing curbs and sidewalks, expansion of the current sidewalk network with the construction of a new segment between Wainwright Street and Route 100, and modifications to two signalized intersections. HDR worked with the City to streamline their right-of-way documentation requirements for TCE's, which helped expedite the acquisition process for 56 impacted parcels. With their local knowledge of the City and its residents, BFA also assisted in tracking and getting favorable results during the acquisition phase.