



## WORKFORCE DIVERSITY

Benesch continues our commitment to identify ways to increase inclusivity and opportunity through hiring and retention programs. At Benesch we believe that promoting inclusion within our staff isn't just the smart thing to do from a business perspective—it's the right thing to do. Every person should enjoy the opportunity to come to work, add value and feel valued for their contributions.

Benesch has taken intentional steps to attract diverse candidates and create inclusive environments so employees can become embedded in the organization.

### Some of those include:

- Intentional recruitment and organizational support.
- Meaningful leadership and employee training.
- Employee Resource Groups
  - Benesch Pride, for LGBTQ+ identified employees and allies
  - Benesch Cultural Alliance, for minority/culturally diverse employees
  - Benesch Strong Divers-ability, for employees impacted by disabilities
  - Women of Benesch, which connects women across the company

## ROADWAY

Hundreds of highway and minor roadway miles have been designed by Benesch engineers. We routinely work with state DOTs and their FHWA counterparts to rehabilitate, modify or create new roadways and bridges that effectively connect people and places. Our transportation projects traverse farm lands, urban cities and everything in between.

We provide much more than geometric solutions, however. You can consider Benesch a one-stop shop for all civil infrastructure needs. Within our team, we have staff experts in areas such as MOT, drainage, traffic engineering, electrical engineering, surveying and geotechnical.

Quality is our top priority. We deliver plans that are quality-checked for constructability, enabling clients to use a low-bid system to their advantage. In addition, we go the extra mile to ensure minimal change orders and field issues during construction. **Our areas of expertise include:**

- Highway and Toll Roads
- Interchanges
- Utility Coordination
- Horizontal and Vertical Alignment
- Drainage
- Maintenance of Traffic
- Agency Coordination/Permitting
- Surveying
- Roundabout Design
- Traffic Signals
- Sidewalk/Trails
- Lighting Design

## GRANT ASSISTANCE

For decades, our team of experts has successfully completed grant applications for a wide variety of projects with values totaling in the millions. Our expertise has helped clients stretch their budgets with creative funding strategies that combine and maximize potential available dollars. We bring you an experienced team well-versed in all facets of grant applications and ready to assist with your next project.

## VALUE ENGINEERING

Value Engineering (VE) is one of Benesch's core services, and we have a rich history of project success in this area. Benesch began practicing VE in 1979. In 1989, we were the first consulting engineering firm to receive the SAVE International Excellence in Value Engineering Award, which recognized ten years of outstanding contributions to the practice of VE.

Over the last 30 years, Benesch has been able to positively impact our clients' projects by saving millions of dollars, sharpening project schedules and developing innovative ways to manage life-cycle costs, all through the application of VE principles.



## TRAFFIC ENGINEERING

The Benesch team combines traffic engineering expertise with real world experience to develop innovative, practical, sustainable and cost-effective solutions. Our team is committed to staying at the forefront of the latest traffic engineering technologies. We use advanced tools like Miovision traffic cameras and sophisticated in-house simulation software such as Synchro, SimTraffic, Vissim and HCS. These tools enable us to better understand design implications and meet project needs. Benesch engineers strive to develop practical, sustainable solutions. Tackling traffic issues from the “demand side” to encourage multi-modal and environmentally friendly solutions is just as important as looking at traditional “supply side” solutions that involve physical improvements. **Our areas of expertise include:**

- ITS Management and Design
- Electrical Engineering
- Noise Studies
- Traffic Impact Studies
- Origin and Destination Studies
- New and Modernized Signal Design
- Highway Operational Analysis
- Travel Demand Modeling
- Safety Studies
- Structures
- Access Management Studies
- Gap Analysis
- Traffic Signal Coordination and Timing (SCAT)
- Signal Timings
- Intersection Analyses
- Corridor Progression Analysis
- Level of Service Analysis
- Traffic Data Collection
- Maintenance of Traffic Plans

## GENERAL CIVIL & STRUCTURAL ENGINEERING SERVICES

Benesch prides itself on providing a wide array of civil engineering services, quality based engineered solutions and client satisfaction. Our expertise lies in most all areas of civil and structural engineering including geotechnical engineering, environmental assessments, sustainable design and value engineering. Our responsiveness to short term, long term and emergency needs is well known among our clients. In addition, our clients will tell you that the attention to detail in our engineering documents sets the standard for quality.

The Benesch team resume includes a variety of civil/structural studies and designs for many clients across the United States. Our experience in municipal engineering provides a solid knowledge base that will be a valuable resource. Additionally, our work with numerous small and large scale commercial developments is particularly important. Many of our projects have involved public involvement and environmental permitting efforts that required specialists within Benesch. Further, managing and improving infrastructure facilities requires knowledge not only of pertinent design standards but also sustainability. Our engineers are well versed in designs that accommodate all types of users including complying with the Americans with Disabilities Act and the pursuit of LEED certified projects.

## STRUCTURAL

From road stream crossings to high-profile arch bridges, the structural team at Benesch has designed thousands of bridge structures ranging from 35 to 2,000 feet. Our engineers are proficient in the study and design of continuous complex structures, including plate girder, tied arch, segmental box girder, continuous/cantilever truss and cable stay bridges. In addition, we specialize in high order finite element analysis associated with various forms of nonlinear and buckling behavior. We are relentless in the pursuit of industry advancements, and pride ourselves on implementing innovative solutions. **Our areas of expertise include:**

- Simple, Typical and Complex Bridges
- Major River Crossings
- Railroad Bridges
- Pedestrian Bridges
- Inspections and Ratings
- Bridge Retrofit and Rehabilitation
- Retaining Walls
- Culverts
- Seismic Analysis
- Bridge Modeling
- Structural Survey
- Value Engineering

## CONSTRUCTION MANAGEMENT

Benesch provides construction services for roadway, bridge, aviation, railroad and building projects. Our construction staff has years of experience overseeing contractors, coordinating subconsultants, testing materials and executing complex staging plans. We continuously monitor all phases of a project's development, from data collection and field surveys through contract documents and construction observation.

Through hundreds of DOT and LPA federal aid projects, we have the experience and background to work successfully with the FHWA, MoDOT Construction staff and Local Public Agencies. We are a full-service provider that brings a proven approach, based on efficient operations and utilizing versatile, knowledgeable, experienced staff who understand the work being performed and the construction engineering services required to satisfy project oversight requirements.

We have experts on staff who are able to provide assistance should major changes or unanticipated situations arise. Besides construction, our staff includes designers and scientists ready to provide support. Their proximity and accessibility allows for rapid response and accurate advice. This ultimately leads to successful projects, prevents surprises, and helps avoid lengthy delays. **Our areas of expertise include:**

- Construction Observation
- Design-Build
- Shoring Tower Design
- Schedule Management
- Earthwork Quantities
- Temporary Earth Retention Systems
- Cost Management
- Pavement Quantities
- Demolition Plans
- Structural Engineering
- Value Engineering



## MECHANICAL / ELECTRICAL / PLUMBING

Benesch offers a full spectrum of MEP services to our clients. Professionals in our Kansas City office provide design, consulting and sustainable solutions for mechanical, electrical and plumbing systems. Our services include design drawing preparation, specifications, and cost estimates. We bring a strong foundation of industrial and commercial engineering experience, including both new construction and the renovation of existing facilities. Over the past twenty years we have completed projects in wastewater treatment plants, hospitals, schools, military facilities, vehicle maintenance buildings, telecommunication facilities, correctional institutions and various commercial buildings.

### Mechanical Practice Areas:

- Heating, Ventilating and Air Conditioning Systems
- Exhaust Systems
- Chilled and Heating Water Systems
- Facility Assessment & Energy Audits
- Life Cycle Cost Analysis
- Industrial Ventilations
- Energy Recovery
- Temperature Controls
- Solar Thermal Systems
- Direct Digital Control (DDC) Systems

### Electrical Practice Areas:

- Power Distribution
- System Analysis, Assessment and Planning
- Interior and Exterior Lighting Design and Controls
- Energy Code and LEED Compliance
- Fire Alarm Systems and Emergency Power Systems
- Paging, Public Address, and Sound Systems
- Uninterruptible Power Supply
- Programmable Logic Controls
- Facility System Controls and SCADA Systems

### Plumbing Practice Areas:

- Facility Plumbing Systems Design
- Process Systems Piping
- Site Utilities and Yard Piping Systems
- Distribution Systems
- Storm Water Systems



## STORMWATER MANAGEMENT

We develop stormwater solutions that provide value while respecting the environment. Our engineers and professional staff provide clients with a host of services including stormwater design and modeling; comprehensive planning and management services; and Low Impact Development (LID) expertise. Whether on a watershed-wide or site-specific project, Benesch has the unique ability to balance function, cost and aesthetics while ensuring compliance to all local and regulatory requirements.

Using advanced software and analytical tools, our staff combines technology with expert engineering knowledge to ensure our designs offer value-based solutions to meet our client's project needs. Whether that be for building sites or roadways and infrastructure, Benesch's team of planners, hydrologists and civil and hydraulic engineers are prepared to assist with your flooding, water quality, regulatory issues or any other stormwater need. **Our areas of expertise include:**

- AAL / BRE Analysis
- Alternatives Analysis
- CIP Development
- Closed System Modeling
- Dams
- Environmental Permitting
- FEMA Mapping
- H&H Modeling
- Levees
- Master Planning
- MS4 Water Quality
- Stormwater Management
- Stormwater Design

## GEOTECHNICAL

Our geotechnical engineers, geologists, and scientists specialize in identifying solutions that mitigate construction challenges and make good business sense. Our goal is to balance initial construction capital costs and the ongoing operating costs over the life of the proposed structure or transportation system. Benesch's proactive approach to construction material design can reduce or eliminate unforeseen construction delays and overall construction costs. We promote optimum service life for the structure or transportation system once it is in operation. Benesch has the capability to service any project location.

Our materials testing laboratory is certified by the American Association of State Highway and Transportation Officials (AASHTO). Our technicians are experienced in the laboratory test procedures necessary to evaluate the pertinent engineering properties of foundation materials for design and certified in concrete, asphalt, aggregate and soils testing by NICET, ACI and several state DOTs for materials testing during construction.

## ENVIRONMENTAL

At Benesch, we bring substantial local, regional and national environmental consulting experience and strategic insights to our clients. Our environmental specialists provide due diligence services; Brownfields and property development assessment; hazardous building materials consulting to include asbestos, lead based paint, IAQ; regulatory compliance; and permitting.

As complex environmental issues can have major impacts on project budgets and schedules, Benesch develops innovative and cost-effective solutions to environmental risk management challenges. We assist our clients by finding solutions that offer a balance between environmental stewardship and results-based business practices.

**Our areas of expertise include:**

- Compliance and Due Diligence
- Investigations and Remediations
- NEPA Services
- Natural Resources
- Facilities
- Brownfields / Hazardous Materials
- Noise Analysis
- Public Involvement
- Threatened and Endangered Species
- Wetlands



**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  
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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**



# Construction Inspection - MoDOT LPA 2026-2029

December 12, 2025  
Ashley Buechter, PE  
Local Program Administrator  
MODOT – Local Program  
105 West Capitol Avenue  
P.O. Box 270  
Jefferson City, Missouri 65102

**Benesch** is pleased to submit our qualifications to provide on-call Construction Inspection services for Missouri LPAs under the 2026 to 2029 program. Our team has a strong record of managing, documenting and inspecting construction of transportation projects across Missouri and the Midwest. We understand LPA and MoDOT expectations for materials compliance, field documentation, change order resolution and federal-aid requirements. Benesch consistently provides responsive field staff, clear communication and dependable oversight that keeps projects moving safely and efficiently. Our inspectors take pride in protecting public investment while upholding safety, quality and contractor accountability.

## GENERAL EXPERIENCE OF FIRM

Benesch understands how critical construction-phase oversight is to ensuring projects are built in accordance with plans, specifications and federal requirements. We provide a full range of construction inspection services that support LPAs from preconstruction through project closeout. Our inspectors, field technicians and professional engineers manage daily documentation, monitor progress and materials, assist with staging and traffic control needs and support issue resolution as conditions change in the field. We are familiar with the level of rigor required on federally funded projects and maintain transparent communication with agency staff to ensure documentation stays current and accurate.

Our team routinely oversees contractor operations, coordinates testing, conducts field measurements and maintains accurate records for pay items, quantities, materials certifications and contractor compliance. We support projects of all sizes, from small municipal improvements to complex multimodal corridors, and we take pride in providing attentive, community-focused service throughout construction. Benesch staff understand the importance of minimizing disruptions to residents and businesses and work closely with LPAs to maintain public awareness and keep projects on schedule.

**Construction Management:** Our construction engineering team is experienced in monitoring project progress, maintaining documentation, managing RFIs and shop drawing reviews and assisting with change order development. We provide inspection services for roadway, bridge, pedestrian, utility and ADA compliance work in both rural and urban settings. Our staff supports constructability reviews, utility coordination and QA/QC inspection activities and applies practical field knowledge to help resolve issues quickly. We also bring value-focused thinking to every project and identify opportunities to improve constructability and cost efficiency during construction. Our goal is to help LPAs deliver safe, compliant and well-documented projects that meet all federal, state and local requirements.

**Materials Testing:** Our certified materials technicians perform laboratory and field testing for soil, aggregate, rock, asphalt and concrete. Our technicians hold MoDOT, ACI, NICET, ICC and OSHA certifications and are trained to identify materials issues early so LPAs can address them before they impact cost or schedule. Benesch provides both on-site and laboratory testing to support compliance with project specifications and federal-aid requirements. Our materials team works hand in hand with field inspectors to ensure continuous communication between testing results and construction oversight.

## FAMILIARITY/CAPABILITY

We understand the importance of your projects to your staff and the residents of your communities. Benesch, MoDOT and LPAs have worked together to complete numerous public improvement projects. Our team brings an understanding of MoDOT and LPAs expectations and a commitment to serving you. The Benesch team includes DOT certified inspectors and structural engineers with over 100 years of combined experience. The expertise available to MoDOT and LPAs is second to none.

## ACCESSIBILITY

Our team is ready and able to get to work immediately. Benesch will seek the practical solution for your projects, with attention to schedule and budget. We value schedule management, communication and innovation.

## PAST PERFORMANCE

From previous Consultant Performance Evaluation Forms, the most frequent comment, regardless of project manager/liaison, compliments Benesch for meeting commitments, being responsive and for keeping our clients well informed throughout the project. Our goal is for you to consider our team an extension of your staff. **Below are recent projects that showcase our team's expertise related to construction inspection.**



### **KANSAS CITY STREETCAR MAIN STREET EXTENSION, CITY OF KANSAS CITY, MO:**

This \$300+ million project is extending the streetcar 3.6 miles on Main Street, adding 16 stops and connecting the Downtown starter line to Midtown, Westport, the Art Museum District, the Plaza and UMKC. This project will include upgrades to the existing 21 traffic signals, street lighting and urban street modification to adapt the corridor for streetcar use and enhanced pedestrian accommodation. Benesch is the prime consultant providing project management, technical oversight and construction phase services. Duties include providing on-site quality assurance monitoring, technical support, design reviews and coordination of multiple design disciplines and stakeholders (including KCMO/KCATA/KCSA). Benesch also participated in the project Value Engineering and Risk Assessment workshop and coordination meetings.



**HAYS 41ST STREET IMPROVEMENTS, CITY OF HAYS, KS:** The 41st street improvement project was highlighted by a full reconstruction of a two-lane asphalt roadway to a three-lane concrete roadway, complete with curb and gutter and a 10-foot multi-use trail. Additional items of work included a new storm sewer system, waterline adjustments and reconstruction of a 14-foot x 5-foot RCB. Benesch's team of construction representatives were engaged by the Owners to provide full-time construction observation, including oversight of the QC/QA concrete program. The challenge of maintaining traffic and pedestrian access throughout construction was successfully conquered, earning this project a KCA/KDOT Partnering Award.



**NE 104TH STREET, CITY OF KANSAS CITY, MO:** The increased volume of traffic from new residential development and the opening of a nearby high school led to the need for an improved roadway. Benesch provided daily construction observation and coordinated all materials testing. The project included reconstruction of the asphalt roadway, a multi-use trail, a precast RCB, retaining walls and utility upgrades. The team was also responsible for daily traffic control inspections, SWPPP inspections and all other construction observation tasks. Maintaining access to the residential development on the north side of 104th Street remained a top priority. Close coordination with the Contractor and Buckeye Gas during the vertical relocation of their gas main was critically important to successful delivery.



**LITTLE BLUE RIVER ROAD OVER LITTLE BLUE RIVER, CITY OF KANSAS CITY, MO:** The existing truss bridge on Little Blue Road over Little Blue River, was found to have serious structural issues and required replacement. Benesch provided construction services for the new bridge on an offset alignment along Little Blue Road. The project included 1,700 feet of grading and 11 inches of Bituminous Surfacing. The bridge was a 205 foot, three-span Precast Prestressed Concrete Girder bridge with a 40-foot roadway. Benesch coordinated and conducted all materials testing. Benesch also oversaw the relocation of Waterlines and Sanitary Sewer lines as well as a street lighting system which was installed through the entire length of the project.



**RAYTOWN ROAD OVER TRIBUTARY TO LONGVIEW LAKE, CITY OF GRANDVIEW, MO:** Two deteriorating corrugated metal pipes under Raytown Road caused roadway depressions, affecting nearly 20,000 daily vehicles. The City opted for twin, single-span prestressed I-girder bridges to maintain traffic flow. Hydraulic modeling secured a No Rise certificate for the Longview Lake tributary, while federal funding required MoDOT clearances. Benesch arranged a cost-sharing deal for a pedestrian bridge alongside the highway, enhancing the lakeside trail. The project improved waterway capacity, infrastructure and aesthetics. Benesch provided full-service inspection services to meet project requirements. This project recently received an Honor Award in ACEC/MO's 2026 Engineering Excellence Award Competition.

## QUALIFICATIONS OF PERSONNEL

Benesch's inspection team is built to support Missouri LPAs, with strong knowledge of MoDOT's LPA Manual, federal-aid requirements and local construction processes. Our inspectors and technicians bring extensive Missouri field experience, clear communication and the availability needed to support LPA projects from preconstruction through closeout.



**WADE HEIM, PE, CONSTRUCTION MANAGER:** Wade oversees Benesch's construction inspection group and supports Missouri LPAs with field oversight, materials review and contractor coordination. His experience spans transportation, civil and aviation projects throughout Missouri, giving him strong familiarity with field operations and agency procedures.

☆ **Benefit:** Wade has completed construction, testing and inspection assignments across Missouri communities and understands the documentation and communication expectations. He helps keep projects on schedule by supporting inspectors, resolving field issues and maintaining clear communication with LPA staff.



**CURT MADER, PE, LEAD INSPECTOR:** Curt brings extensive experience in heavy highway and civil construction inspection, project administration and construction management for Missouri municipalities and counties. He has supported complex reconstruction projects, bridge replacements and transit improvements, including project roles in the Kansas City region.

☆ **Benefit:** Curt's long-standing Missouri project background, strong field leadership and ability to guide contractors and subconsultants help LPAs maintain compliance, manage progress and navigate field challenges from start to finish.



**RON CLARK, LEAD INSPECTOR:** Ron is a construction representative with eight years of experience, including seven years as a MoDOT construction inspector. He has delivered inspection services on Missouri LPA projects such as the Raytown Road bridges and has supported major state-led work, including roles within the Buck O'Neil Bridge program.

☆ **Benefit:** Ron's direct MoDOT experience is a significant benefit to Missouri LPAs. He provides accurate documentation, clear communication and consistent application of MoDOT LPA procedures, ensuring projects meet federal and state requirements.



**CHUCK GOODMAN, LEAD INSPECTOR:** Chuck is a senior project manager responsible for the oversight of daily construction activities. His areas of emphasis include project management, geometric design, quality assurance, public involvement and utility coordination. Prior to joining Benesch, Chuck spent 15 years as a construction engineer for KDOT where he supervised a team of construction inspectors on a variety of bridge and roadway projects.

☆ **Benefit:** Chuck's diverse background in highway and bridge design and construction provides valuable insight on methods, constructibility and compliance with APWA, FHWA and state procedures.



**BOB CAULFIELD, LEAD INSPECTOR:** Bob has extensive experience providing construction inspection, field and materials testing and project oversight for transportation and civil improvements across Missouri. His work includes sanitary and storm sewer inspection, roadway reconstruction and quality assurance roles on major projects such as the KC Streetcar Main Street Extension. He is proficient in AASHTOWare Project, eBuilder and Watermain Acceptance Testing.

☆ **Benefit:** Bob's strong field inspection skills, familiarity with Missouri municipal standards and proficiency with construction documentation platforms help LPAs maintain accurate records and verify compliance throughout the project.



**BRETT KOLB, LEAD INSPECTOR:** Brett supports construction inspection through field observation, materials testing and documentation. His background includes surveying, materials analysis and structural coursework, along with a MoDOT internship focused on engineering support. He has contributed to the KC Streetcar Main Street Extension and local improvement projects in Shawnee and Wyandotte County.

☆ **Benefit:** Brett's technical foundation and hands-on construction experience support LPAs with accurate documentation, consistent field observations and effective coordination on active jobsites.

**Thank you!** Thank you for your consideration. We appreciate this opportunity and value the trust that comes with this contract. We are ready to meet any challenge and exceed expectations. Please contact us should you have any questions.

**Robert R. Krewson, PE**  
Sr. Vice President

**Wade Heim, PE**  
Construction Manager