



**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:

Alfred Benesch & Company

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Craig Mielke, PWS

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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**

Environmental - MoDOT LPA 2026-2029

December 12, 2025

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

Benesch is pleased to provide Environmental and NEPA services to support Missouri LPAs as they deliver federally funded local transportation projects. Our team prepares clear, defensible and efficient environmental documentation that helps communities advance projects with confidence. We have supported cities, counties and regional partners across the Midwest and our practical, solutions-focused approach aligns well with the needs of LPA-led efforts.

GENERAL EXPERIENCE OF FIRM

Benesch's environmental professionals bring extensive experience delivering the full range of documentation required for federal-aid projects, including Categorical Exclusions, Environmental Assessments, Environmental Impact Statements and Section 4(f) evaluations. Our team includes specialists in wetlands and streams, biology, threatened and endangered species, hazardous materials, noise analysis, socioeconomic impacts and farmland assessments. We also perform wetland delineations, stream evaluations, species and habitat surveys, effect determinations and permitting support to help LPAs meet state and federal requirements.

We apply a multidisciplinary approach that integrates biologists, environmental scientists, planners and GIS analysts to prepare clear, defensible technical studies. Our team understands how environmental findings influence scope, budget and schedule and we work proactively to identify constraints early, streamline documentation and maintain compliance at each step of project development.

Benesch's environmental portfolio spans Missouri and the surrounding region, giving us strong familiarity with local ecosystems, regulatory expectations and LPA project needs. This regional knowledge, combined with our national depth in NEPA and natural resources work, enables us to deliver accurate technical evaluations, anticipate challenges before they affect project schedules and provide reliable, cost-effective environmental solutions for communities across Missouri.



CRAIG MIELKE, PWS – PRIMARY NEPA AUTHOR / PROJECT MANAGER

Craig manages NEPA studies for federally funded transportation projects and leads documentation for CEs and EAs. He has extensive experience preparing Section 4(f) evaluations and coordinating with FHWA and environmental resource agencies. Craig is skilled at guiding multidisciplinary teams through technical analyses that meet federal requirements. His leadership produces clear and defensible documents that help LPAs advance projects efficiently.



BRENDA DURBAHN – PRIMARY NEPA AUTHOR / PROJECT MANAGER

Brenda specializes in preparing NEPA documentation for Missouri transportation projects. She has led environmental tasks involving Section 4(f), visual impact analysis and agency coordination. Brenda has completed numerous CEs and EAs that support roadway and bridge improvements. Her strong understanding of Missouri conditions ensures accurate and efficient environmental evaluations for LPAs.



LEIGH LANE – PRIMARY NEPA AUTHOR / PROJECT MANAGER

Leigh manages NEPA documentation ranging from Categorical Exclusions to full Environmental Impact Statements. She has contributed to national research that improves environmental decision-making and community impact analysis. Leigh is experienced in PEL processes and public involvement strategies. Her expertise strengthens complex environmental documents for LPAs that require clear analysis and regulatory defensibility.

FAMILIARITY/CAPABILITY & ACCESSIBILITY

Benesch is highly familiar with environmental requirements for LPA federal-aid projects, including NEPA documentation, Section 7 consultation, Section 404 permitting, noise monitoring and modeling and technical resource surveys. We routinely coordinate with FHWA, USACE, USFWS and state agencies to secure timely approvals and maintain project schedules. Our staff can mobilize quickly anywhere in Missouri for field investigations and our GIS and environmental analysts support rapid data processing and report delivery, providing LPAs with responsive communication, dependable results and consistent project accessibility.

PAST PERFORMANCE

Benesch is consistently noted for responsiveness, clear communication and delivering accurate, defensible environmental documentation. Our clients trust us to navigate NEPA requirements efficiently and keep projects moving. Below are recent projects demonstrating our environmental capabilities on federally funded local transportation projects.



NDOT STATE AND LOCAL CATEGORICAL EXCLUSIONS | NEBRASKA DOT: As an on-call consultant, Benesch provides CEs, wetland delineations, hazardous materials reviews and related NEPA services to Local Agencies statewide. Our team prepares CEs for projects ranging from bridge replacements to roadway resurfacing, coordinating with NDOT, FHWA and resource agencies. This ongoing work supports efficient compliance and timely implementation for state and local federal-aid projects.



24TH STREET ROAD DIET | CITY OF OMAHA, NE: Benesch completed a corridor study and preliminary engineering to evaluate converting a four-lane undivided roadway to a three-lane section with on-street bike lanes. The effort included modifications to nine signals, preparation of the Categorical Exclusion and review of historic, environmental and hazardous materials resources. Benesch also led public involvement throughout NEPA, final design and construction.



COZAD SOUTHWEST BRIDGE | NEBRASKA DOT / DAWSON COUNTY, NE: Benesch delivered preliminary and final design for two timber bridges spanning a CNPPID irrigation canal in Dawson County, NE. The work included wetland delineations, cultural and T&E habitat surveys, hazardous materials reviews, public outreach and coordination with USACE for Section 404 permitting. Benesch prepared the Categorical Exclusions, secured permits and completed final design and construction engineering.



POLK COUNTY BRIDGES | MISSOURI DOT: Benesch is providing NEPA documentation and design services for MoDOT on three bridge replacements in Polk County. Work includes environmental studies, public involvement and technical documentation to support Categorical Exclusions and permitting coordination with MoDOT's environmental group. This project demonstrates Benesch's ability to integrate NEPA and design efficiently while maintaining compliance and schedule alignment with MoDOT processes.



WASHINGTON STREET BRIDGE REPLACEMENT | OHIO DOT: Benesch biologists conducted a freshwater mussel survey and relocation for the Washington St crossing of Cherry Valley Run. Work included ODNR-approved survey planning, species identification within a 326-square-meter area, relocation upstream and completion of final reporting and mapping. These efforts ensured protection of aquatic species and provided the necessary environmental documentation to support project advancement.



168TH STREET ENVIRONMENTAL ASSESSMENT | CITY OF OMAHA, NE: Benesch provided environmental assessment services for the widening of 168th Street from a two-lane roadway to a four-lane concrete arterial. The work included turn lanes, sidewalks, bridge improvements, pedestrian features at Lake Zorinsky, a new culvert and storm sewer upgrades. The assessment addressed wetlands, Section 4(f), public involvement, pedestrian and traffic needs, trails and residential impacts, with coordination across federal and state resource agencies.



84TH STREET TRAIL | CITY OF LA VISTA, NE: Benesch is assisting with NEPA services for the two-mile 84th Street Trail from Giles Rd. to Harrison St., linking businesses, neighborhoods and connecting paths. The project includes a new bridge over Big Thompson Creek to replace an aging culvert and connect Central Park areas. Work includes wetland delineation, historic resource evaluation and compliance with Sections 4(f) and 6(f). Benesch is preparing the Categorical Exclusion, managing Section 404 permitting and completing NEPA re-evaluations.



APPLEWOOD CREEK TRAIL | CITY OF LA VISTA, NE: Benesch assisted the City of La Vista with environmental permitting and NEPA documentation for the Applewood Creek Trail, a one-mile neighborhood and regional connection. Work included wetland, historic and hazardous materials reviews, along with coordination with three separate Section 4(f) property owners to secure de minimis approvals. Benesch prepared the Categorical Exclusion, completed a Nebraska Stream Condition Assessment and obtained the Section 404 permit.



TUXEDO PARK ROAD BRIDGE | NEBRASKA DOT: Benesch designed the replacement of a weight-restricted through-truss bridge serving Tuxedo Park, delivering a 125-foot concrete slab bridge with a 24-foot roadway and 10-foot bikeway. The Categorical Exclusion addressed civil rights, cultural and historic resources, recreation areas, endangered species, hazardous materials and wetlands. Benesch also coordinated and documented measures to minimize park traffic impacts and ensure compliance with Land and Water Conservation Fund requirements.

QUALIFICATIONS OF PERSONNEL

Benesch's NEPA team combines proven leadership, technical expertise and hands-on experience delivering federally funded transportation projects. Each member has extensive experience preparing NEPA documentation, coordinating with FHWA and resource agencies and ensuring timely, compliant project delivery for DOT's across the nation, which will be valuable for Local Agencies..



ANDY MILLER, PWS – SENIOR SCIENTIST, ESA AND WETLANDS LEAD

Andy leads endangered species and aquatic resources services for transportation projects. He specializes in wetland delineations, stream assessments and habitat evaluations using established federal methodologies. Andy manages ESA coordination and prepares effect determinations that meet regulatory expectations. His field expertise ensures reliable documentation for projects involving sensitive habitats and protected species. He also provides practical mitigation recommendations that help LPAs avoid schedule delays and maintain regulatory compliance.



MATT VANICEK, PWS – WETLANDS AND PERMITTING SPECIALIST

Matt conducts wetland delineations and stream assessments following USACE regional guidance. He prepares mitigation plans, permitting documentation and technical reviews for aquatic resource impacts. Matt has supported multiple transportation agencies with accurate delineations and permitting solutions. His work helps LPAs secure regulatory approvals and maintain project schedules. He also delivers precise GIS mapping and field documentation that improve clarity and consistency in environmental submissions.



DAMON GREER – WILDLIFE BIOLOGIST, SPECIES ASSESSMENT SPECIALIST

Damon provides wildlife evaluations, endangered species assessments and habitat surveys for transportation improvements. His experience includes habitat management and species monitoring on public lands. Damon prepares clear documentation that supports ESA coordination and project compliance. His field expertise strengthens biological assessments for LPA projects. He also helps LPAs identify feasible avoidance and minimization measures that protect sensitive species while keeping projects moving forward.



SCOTT RUPE – NEPA AUTHOR AND NOISE AND ENVIRONMENTAL ANALYST

Scott specializes in NEPA compliance, noise analysis and technical environmental documentation. He has managed environmental reviews for more than 200 transportation projects. Scott has experience with Section 4(f), hazardous materials and biological reviews that support federal-aid evaluations. His versatility allows LPAs to address multiple environmental disciplines with one experienced resource.



DOUGLAS PARKER, CEP – NEPA AND TRANSPORTATION PLANNING SPECIALIST

Douglas prepares NEPA documentation, planning studies and interagency coordination for transportation projects. His experience includes EIS, CE and PEL studies supported by early environmental screening. Douglas has worked with multiple state DOTs to streamline documentation and regulatory processes. His background helps LPAs navigate complex requirements with clarity and efficiency.



MIKE ROBSON – SENIOR ECOLOGIST, HABITAT AND SPECIES SPECIALIST

Mike specializes in ecological surveys, threatened and endangered species evaluations and wetland delineations. He has monitored sensitive wildlife including raptors and reptiles for transportation and infrastructure projects. Mike provides clear analysis of habitat conditions and potential project impacts. His scientific expertise strengthens the biological components of environmental documentation for LPAs.



FAITH LAMB – PUBLIC INVOLVEMENT SPECIALIST FOR NEPA SUPPORT

Faith supports environmental projects by preparing public involvement materials for meetings and hearings. She develops mailers, legal notices, display boards and public comment documentation. Faith ensures environmental information is communicated clearly to community members and stakeholders. Her work helps LPAs meet NEPA public engagement requirements with organized and accessible materials.

Thank you! 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

Craig Mielke, PWS
Primary NEPA Author /
Project Manager



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

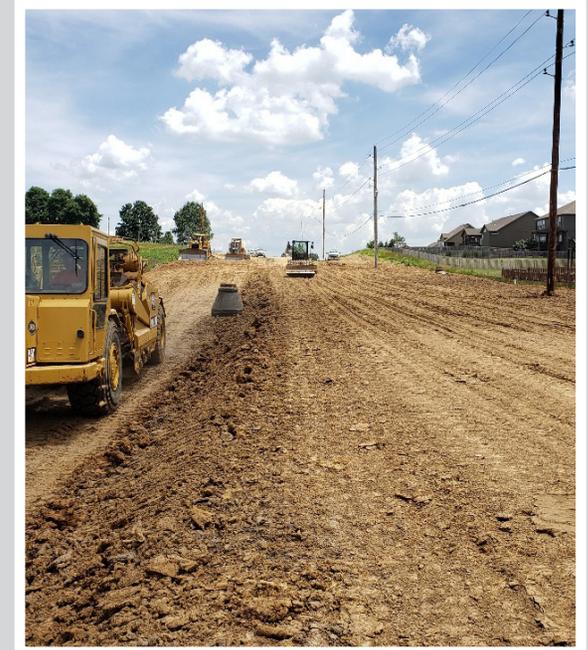
CONSTRUCTION MANAGEMENT

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