



**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:

Volkert, Inc.

Firm Contact Name:

David Holloway, PE

Contact Email
Address:

david.holloway@volkert.com

Firm's Mailing Address:

Volkert, Inc.

11124 S Towne Square, Suite 300

St. Louis, MO 63123

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**

Volkert, Inc.
11124 S Towne Square, Suite 300
St. Louis, MO 63123
314.925.7326
www.volkert.com



December 12, 2025

MoDOT Central Office – Local Programs
LPAoncall@modot.mo.gov

**Subject: Missouri Local Public Agencies (LPA)
2026-2029 On-Call Solicitation
Category: Structures**

Volkert is proud to be ranked #90 among the Top 500 Design Firms in the U.S. by *Engineering News-Record*



In response to the Missouri Local Program's request for Letters of Interest for on-call professional services, Volkert, Inc., (Volkert) is pleased to express interest in providing consultant services for the Structures Category.

PREQUALIFICATION

Volkert is listed on MoDOT's Approved Consultant Prequalification List and all information is current and up to date.

GENERAL EXPERIENCE OF THE FIRM

Volkert, established in 1925, is an employee-owned multi-discipline design firm, offering civil engineering, structural engineering, construction inspection, GIS mapping, land acquisition and real estate services, and has served municipal, county, state, and federal governments as well as private industry throughout the United States. Volkert currently has over 1,500 full-time employees working in over 70 offices with certifications across the United States. With 100 years in operation, the firm's history is one of stable growth, client satisfaction, and innovative planning and design.

Volkert's offices in St. Louis, Missouri and in Collinsville, Springfield, Freeburg, and Carbondale, Illinois, opened in 2016, 2004, 2020, 2020, and 2022, respectively. A key factor in our company's success is its ability to manage and implement programs of any size or scope while consistently delivering projects on time and within budget. Volkert's commitment to excellence ensures that it will successfully meet the goals established for any structures assignment.

PAST PERFORMANCE

We have assembled a highly qualified and experienced team of in-house professionals to perform duties as assigned and in accordance with the MoDOT Engineering Policy Guide and AASHTO Design Guidelines. Volkert and its team members understand all aspects of structural design work, including the specific items listed in the solicitation: plans development, detailing, hydraulic studies, geotechnical work, survey, cost comparisons, environmental clearances, right of way and may include other work related to bridge design. In addition, the team is proficient in 3D terrain modeling using Bentley's Open Roads Designer & visualization, innovative project delivery, value engineering, planning and conceptual studies.

On-call contracts allow Missouri Local Public Agencies (LPA) access to qualified, highly trained engineers to provide engineering services on an as needed basis. Volkert is ready to provide professionals that will work as an extension of the LPA's team to resolve issues and provide clear solutions. We are committed to delivering quality work in the established timeframes. Volkert believes that we are hired for our expertise; therefore, we are responsible for running a project independently and serve as a resource to Missouri's Local Program.

Volkert has extensive experience with this type of contract and the vast amount of work that Volkert performs is at the local level. In addition, our team is well versed in writing, applying, and monitoring grant funds including DCEO, TAP, STP, CMAQ, and DNR funding, along with other state and federal funding mechanisms. Many of Volkert's projects have some aspect of federal funding attached.

Volkert stresses the importance of doing the job right the first time. Our established quality control procedures include only soliciting work we are qualified to complete, only assigning qualified personnel to projects; ensuring that senior staff members monitor each step of the project; and implementing a checking process utilizing formal checklists that become permanent parts of the job record. These procedures also apply to our invoicing process. Our accounting staff is experienced in preparing and submitting invoices for LPA projects along with multiple local, state, and federal agencies.

Volkert's "Mission Zero: Focus on Safety" reinforces our long-standing safety culture, emphasizing that safety is a top priority. The program reminds employees, clients, partners, and the community of our commitment to safe work on all project and non-project activities.



RELEVANT PROJECT EXPERIENCE

NEW MADRID COUNTY HIGHWAY DEPARTMENT | COUNTY ROAD 828 OVER DITCH NO. 23 *

Volkert staff provided engineering services for the replacement of an existing bridge. The design consists of a three-span, precast C-Beam bridge on a 30-degree right advance skew. The substructure consists of pile-supported stub non-integral end bents and pile supported intermediate bents. The structure was designed utilizing the LFD methodology. The structure is located in Seismic Performance Category C. **Local Funds**

Staff: Tim Friederich, PE; Eric Lagemann SE, PE. PM contact not available

MODOT, SOUTHWEST DISTRICT | ROUTE 76 OVER WHITE RIVER (LAKE TANEYCOMO) BRANSON, MO *

Volkert key staff provided structural engineering for the deck replacement of an existing open spandrel concrete arch bridge in Branson, MO. A detailed structural model was created to analyze the existing arch bridge for the new loads both during and after construction. Transverse precast concrete beams were utilized between arch columns. The deck consists of precast concrete panels with a cast-in-place concrete topping. **State Funds**

Staff: Eric Lagemann, SE, PE. Contact: Don Hertzberg

MODOT | ROUTE 151 OVER BLACK CREEK | LEONARD, MO *

Volkert staff was responsible for the hydraulic analysis and design of the Route 151 bridge over Black Creek near Leonard, MO. The proposed structure is a three-span (36'-36'-36') prestressed concrete double tee beam bridge with integral end bents. The structure has an out-to-out deck width of 26'-8" and a 0-degree skew. Volkert staff responsibilities included the hydraulic analysis and design of the end bents. **Federal Funds**

Staff: Tim Friederich, PE. Contact: Bill Dunn

IDOT REGION 5 DISTRICT 8 | IL 162 AND IL 157 OVER JUDY'S BRANCH MADISON COUNTY, IL *

Replacement of one (1) existing structure and two (2) new structures. This project involves the realignment of IL 162 from a back-to-back three-leg stopped controlled intersections, to a four-way signalized intersection, and the addition of a shared use path adjacent to the IL 157 bridge. The IL 157 bridge (SN 060-0229), is a three-span wide flange bridge on a 0-degree skew. Due to the close proximity to the intersection, the structure is tapered on the east side, and the south span tapers on the west side. This requires partial length beams framing into the continuous straight beams. The structure carries two (2) through lanes, two (2) right turn lanes, and one (1) left turn lane. Staged construction will be utilized. The IL 162 bridge (SN 060-0241) is a three-span wide flange bridge on a 30-degree left advance skew. Due to the close proximity to the intersection, the structure is tapered on the south side. The structure carries two (2) through lanes and one (1) left turn lane. Both roadway bridges substructure consists of pile supported integral abutments and pile supported solid wall piers. The shared use path is a single span through truss bridge (SN 060-7003), on pile supported stub abutments. All three structures are seismic zone 2. Mr. Lagemann was responsible for supervising and checking the design of the Type, Size and Location plans for SN 060-0229 and SN 060-7003, performed a QC/QA check on SN 060-0241, and checked the final design and plans of SN 060-0229 and SN 060-7003. **Federal Funds**

Staff: Eric Lagemann SE, PE- Structural Lead; Tim Friederich, PE- Project Engineer. Contact: Cheryl Keplar.

MODOT | RTE. 16 OVER MIDDLE AND NORTH FABIUS RIVERS *

Engineer for the final bridge design and plans for the replacement of two bridges on Rte. 16 in Lewis County, MO. The Middle Fabius River bridge consisted of 119'-125'-90' prestressed concrete NU-Girder spans. The North Fabius River bridge consisted of 141'-110' prestressed concrete NU-Girder spans. Both bridges utilized drilled shaft intermediate bents and integral pile cap end bents. The North Fabius River bridge's south abutment sits on a rock bluff, so pre-bore was used to obtain adequate pile embedment. Based on the hydraulic analysis, both bridges were designed to be shorter than the existing bridges they replaced; wick drains were necessary on the north end of the North Fabius River bridge to speed consolidation caused by the new fill so that the project could be constructed in one construction season. **State Funds**

Staff: Tim Friederich, PE- Project Engineer. Contact: Mike Harms

IH10/US 69 CARDINAL INTERCHANGE – TEXAS DEPARTMENT OF TRANSPORTATION, BEAUMONT, TX.

Ms. Bai served as the structural design coordinator for the \$270 million I10/US69 Interchange Cardinal Section project. She assisted the Bridge Task Lead and EOR's to manage a design team of 22 structural engineers and CADD technicians for design of 24 overpasses, direct connectors, ramps, and viaducts from 60% through 100% design. She helped to organize bi-weekly production meetings with design team and ensure submittals were delivered on time, and coordinated between different offices and subconsultants to facilitate the design process. **Federal Funds**

Staff: Fei Fei Bai SE, PE. Contact: Mr. Benjamin King, PE, PMP Project Manager - TxDOT 512.284.1522

* Previous Experience



QUALIFICATIONS OF PERSONNEL

As reflected in the brief resumes below, Volkert has the knowledge and the depth of experience to successfully complete all required tasks in an efficient and cost-effective manner and in compliance with all state and federal rules and regulations. The key staff, described below, will be assisted by any specialized staff needed to complete an assignment within the timeframe identified by the Missouri Department of Transportation.



Eric Lagemann, SE, PE will serve as the **Project Manager**. Eric has 27 years experience specializing in both LFD and LRFD bridge design. In addition to typical bridge design, he is also proficient in curved girder, culvert, retaining wall, and seismic design. He has been responsible for managing projects, writing bridge condition reports, performing bridge type studies, creating type, size and location plans, final design, technical supervision, developing and reviewing construction documents, writing structural assessment reports, developing demolition plans & cofferdam design. **MO Licensed**



Tim Friederich, PE Tim joined Volkert in 2024 as a structural engineer with 12 years of experience in the design, rehabilitation, and inspection of bridges. He has been responsible for bridge condition reports; type, size, and location plans; structural assessment reports, demolition plans; cofferdam design; temporary soil retention system design; and final bridge design. He is proficient in LEAP Bridge, Merlin-Dash, DESCUS, Consys, Staad, AutoCAD, and Microstation. **MO Licensed**



Fei Fei Bai, SE, PE will provide support as the **Structural QA/QC Manager**. With over 18 years of experience Fei Fei is skilled in all phases of structural design of various types of structures including bridges, buildings, retaining walls and deep foundations. Her Engineering/Design experience includes prestressed and steel bridges especially non-conventional, heavy-duty bridges. She is familiar with high seismic and high wind structural design and familiar with the development of specifications, technical drawings, and cost estimates.



Zach Bulva, PE joined Volkert in 2023 as a project engineer with 13 years of experience in various structural projects including new structure designs, bridge rehabilitations, structural inspections, and surveying. His project experience includes bridge, culvert, and retaining wall design; consultant plan review, consultant construction submittal review, bridge inspections; seismic analysis and design; bridge load rating. **MO Licensed**



Aldhair Morinaga-Mansilla, EI joined Volkert in 2024. As a junior engineer, he is quickly learning bridge inspections, bridge analysis and design. As project engineer, his work includes bridge condition reports, repair design, and structural assessments. He also has a strong technical foundation in material testing and structural analysis using RISA.

FAMILIARITY / CAPABILITY

Volkert team members have been involved with both LPA and DOT for over 25 years. This includes producing contract plans, specifications, and cost estimates for LPA engineering projects. A majority of our LPA work includes the use of federal funds; therefore, designing work within applicable local, state, federal rules and regulations is standard operating procedure for our team, and we are familiar with application of MoDOT's Engineering Policy Guide, the AASHTO Green Book, and the MUTCD for roadway design.

Public Involvement and Stakeholder Coordination is an important aspect to any project. Our staff has been involved in numerous projects for multiple LPAs and is very familiar and has working relationships with several key stakeholders including MoDOT, Ameren, Spire, American Water, Metropolitan St. Louis Sewer District (MSD), Great Rivers Greenway, and Missouri Department of Natural Resources, along with numerous local public agencies & planning organizations. Our team's familiarity and relationships with the key stakeholders will bring a significant benefit to LPAs.

ACCESSIBILITY

Accessibility and support are top priorities for Volkert. Our Project Manager will serve as the primary point of contact and is readily available by phone, email, or virtual meeting to address any questions or needs. Volkert has long history of serving a diverse range of clients in the area and brings the strength of 125 local engineers, technicians, and support staff, backed by 1,500 firm-wide experts, to support LPA projects. Our offices across the region enable prompt coordination, allowing us to deliver responsive service and can begin work immediately upon award of contract.

We look forward to the opportunity to provide these services to LPAs. As reflected in the above qualifications of the company and staff, the Volkert team is eager to perform assigned professional services and ready to commit the required resources. We appreciate your consideration of our qualifications.

Sincerely,

David Holloway, P.E.,
Vice President
Volkert, Inc.

VOLKERT



A CENTURY OF INTEGRITY IN INFRASTRUCTURE

PROFESSIONAL SERVICES

active throughout

THE UNITED STATES WITH
70+ OFFICES



employee-owned

WITH MORE THAN
1,500 EMPLOYEE-OWNERS



consistently ranked

AMONG THE TOP
100 U.S. ENGINEERING FIRMS



providing clients over

100 YEARS
OF ENGINEERING EXCELLENCE



THIS IS
VOLKERT

OUR COMMITMENT TO SERVICE

Volkert's vision and ability to meet the demands and needs of our industry has given us a successful history as a preferred provider to our loyal and value-oriented clients. With client satisfaction as the primary goal of every project, Volkert's long-term success stems from our ability to learn from the past to build a better future for our clients. Our expertise has developed and matured along with the latest technological advances and engineering methods. Our lasting client relationships have developed through a dedicated staff of professionals that continually provide innovative, cost effective, schedule efficient, and quality-driven project delivery.

MEET OUR LEADERS



DAVID HOLLOWAY, PE
Vice President / Engineering and CEI Operations Manager

With 26 years of experience, Mr. Holloway is proficient in all phases of project development, from conceptual design to plan preparation to final construction bid documents. His project

experience includes transportation design of urban & rural roadways/freeways, residential and commercial subdivisions, Location Drainage Studies & Drainage Reports, Hydraulic Reports, FEMA Floodplain Analysis and Management, Stormwater Management Pollution Prevention Plans (SWPPP), and the implementation of Stormwater Quality BMP's in multiple states.



DAVID OGLE, PE
Assistant Vice President / Construction Engineering and Inspection Manager

Mr. Ogle has over 25 years of experience and provides the detailed level of construction engineering necessary to ensure projects achieve the original design intent. He is trained and certified in

various construction testing techniques including concrete, aggregates, and asphalt. Having completed construction services including inspection, staking, materials testing and utility coordination on numerous projects, Mr. Ogle is familiar with all required project documentation.



TERESA MCCLURE
Vice President/Real Estate Operations Manager

With 26 years of experience, Ms. McClure has managed projects for local governments, state agencies, utilities, and companies in the private sector in addition to assisting in negotiations and

appraisals on various projects. She has been involved in easement acquisitions for Ameren, Spire, American Water, IDOT and local municipalities. Ms. McClure is a MoDOT approved negotiator and has been involved in numerous projects involving negotiation, research, GIS and property notifications.



Eric Lagemann, PE, SE
Structural Manager

Mr. Lagemann has 27 years of experience specializing in both LFD and LRFD bridge design. He is proficient in curved girder, culvert, retaining wall, and seismic design. He has been responsible for managing projects; writing bridge

condition reports; performing bridge type studies; creating type, size and location plans; final design; technical supervision; developing and reviewing construction documents; writing structural assessment reports; developing demolition plans; cofferdam design and temporary soil retention system design.



SCOTT GOFORTH, PE
MO. Transportation Design Manager

Mr. Goforth has 19 years of experience in designing and managing transportation projects throughout the Midwest. Scott is skilled in roadway design and has served as Operations Manager, Project Manager, and Lead

Engineer on all types of transportation improvement projects. He has directed/supervised others while overseeing the design process on Local Public Agency, County and MoDOT projects. Scott's design experience includes roadway, roundabout, multi-use trails, ADA pedestrian facilities, traffic signals, hydrology and hydraulics, retaining walls, enclosed drainage systems, small and large box culverts, traffic barrier systems, and other roadside development features.



STEVE BOERGERHOFF, PLS
Vice President / Survey Operations Manager

Mr. Boergerhoff has 30 years of experience working on and managing a multitude of survey projects for local agencies as well as for projects awarded through the Illinois Department of

Transportation. He has a strong knowledge of boundary surveys, topographic mapping and ALTA surveying. He is equally adept at preparing legal descriptions and has experience with many types of easements and land development. His computer skills include both Microstation and AutoCAD. Mr. Boergerhoff currently serves as the Survey Group Manager at Volkert.

OUR SERVICES

Volkert offers a full range of planning, engineering, and construction services to both public and private clients across a broad spectrum of industries and geographies. Our goal is to deliver the future of infrastructure, improving society's access to:

- » Efficient mobility
- » Resilient facilities
- » Abundant energy
- » Sufficient resources
- » And a sustainable environment

DESIGN + ENGINEERING

ROAD + HIGHWAY DESIGN

Designing transportation infrastructure that enhances safety and mobility for the traveling public.

WATER RESOURCES + RECOVERY

Promoting clean water through resource management, protection, distribution, and recovery.

BRIDGE INSPECTION

Working to maintain and preserve the safety and integrity of our transportation infrastructure.

BRIDGE + STRUCTURE DESIGN

Providing safe, innovative bridge and structure designs that meet infrastructure needs and reduce future maintenance costs.

GREEN INFRASTRUCTURE

Using natural elements and processes to improve water quality, sustainability, and resiliency in developed environments.

COASTAL RESILIENCE

Responding to environmental challenges with solutions that preserve, restore, and sustain our coastal communities and resources.

SITE DEVELOPMENT

Providing services for all site development project phases, including planning, permitting, and designing access and infrastructure.

LANDSCAPE ARCHITECTURE

Designing public landscapes to complement the human experience and natural environment.

TRAFFIC ENGINEERING

Promoting the safe and efficient flow of traffic through sign, signal, and intelligent transportation system design.

LIGHTING + ELECTRICAL DESIGN

Designing safe and efficient lighting and electrical systems for infrastructure.

MISSION ZERO

FOCUS ON SAFETY

VOLKERT

In 2019, Volkert launched the “**Mission Zero: Focus on Safety**” program to build upon its long established safety culture and to ensure that safety remains a top priority for years to come. Through this program, the firm, along with its clients, partners, and community members, are reminded of the value Volkert places on all employees working safety on all project and non-project related activities.

VOLKERT

PLANNING + ENVIRONMENTAL

ENVIRONMENTAL STUDIES + PERMITTING

Providing studies, assessments, and plans that promote preservation, restoration, and resiliency.

SURVEY

Providing accurate parameters for planning and design for transportation, energy, and water resources.

REAL ESTATE + LAND ACQUISITION

Facilitating the development of infrastructure through survey, research, mapping, negotiation, and permitting.

GRANT ASSISTANCE + MANAGEMENT

Providing services for clients looking to secure federal, state, and local infrastructure grants.

TRANSPORTATION + URBAN PLANNING

Providing communities with tools to anticipate and design smart cities for future needs.

COMPLETE STREETS + BIKE/PEDESTRIAN

Accommodating all modes of transportation to create livable, walkable communities accessible to all.

PROGRAM + CONSTRUCTION MANAGEMENT

ENERGY PROGRAM MANAGEMENT

Securing the safe and efficient transmission of energy across the nation's power grid.

PROGRAM MANAGEMENT

Managing building programs within budget and schedule limitations to deliver effective capital improvement results.

ASSET MANAGEMENT

Offering inspection, scheduling, repair, budget, construction, and maintenance management services.

GENERAL ENGINEERING CONSULTING

Providing project support, inspection, review, and communication services that prioritize the owners' interests and help maintain schedules and budgets.

CONSTRUCTION MANAGEMENT

Executing owners' visions with management and coordination that controls costs, maintains schedules, and delivers quality.

DISASTER MANAGEMENT

Providing technical and grant assistance to communities and agencies responding to emergencies and disasters.

ALTERNATIVE DELIVERY + QUALITY ASSURANCE

Serving as an owner's representative to improve the efficiency and effectiveness of public sector project delivery.

CONSTRUCTION ENGINEERING + INSPECTION

Partnering with our clients in project implementation and delivery to provide quality assurance, contain project costs, and meet budgets and schedules.

OUR MIDWEST REGION OFFICES

ST. LOUIS, MISSOURI

11124 S Towne Square
Suite 300
St. Louis, MO 63123
314.925.7326

COLLINSVILLE, ILLINOIS

1500 Eastport Plaza Drive,
Ste. 200
Collinsville, IL 62234
618.345.8918

CARBONDALE, ILLINOIS

1075 N. Reed Station Road
Carbondale, IL 62902
618.534.6969

SPRINGFIELD, ILLINOIS

2966 Baker Drive
Springfield, IL 62703
217.425.3530

FREEBURG, ILLINOIS

4 Industrial Drive
Freeburg, IL 62243
618.539.3178