



**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:

Horner & Shifrin, Inc.

Firm Contact Name:

Tom Lohman

Contact Email
Address:

tplohman@hornershifrin.com

Firm's Mailing Address:

401 S. 18th St. Ste. 400 St. Louis, MO 63103

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**

Ashley Buechter | Local Program Administrator
lpaoncall@modot.mo.gov

December 12, 2025

Dear Ms. Buechter and Members of the Selection Committee,

Horner & Shifrin, Inc. (H&S) has a wide range of capabilities in the field of bridge structures. We have completed engineering services for many local public agency clients including bridge replacements, bridge rehabilitations, bridge inspections, bridge redecking and overlays, hydraulic studies, box culverts, and retaining walls. Our firm offers all services necessary to complete a bridge design project except for geotechnical work and hazardous materials testing and construction material testing. H&S provides survey, roadway design, bridge design, hydraulic design, environmental permitting, and construction inspection. This combined expertise not only saves money for our clients by reducing the overhead costs associated with management of numerous subconsultants but also improves quality by providing a consistent control and coordination process for deliverables. **Our staff is well versed in MoDOT's LPA process and uses their experience and professional relationships to their advantage to assure projects stay on schedule and under budget.**



H&S is currently listed on MoDOT's Approved Consultant List

DIVERSITY STATEMENT

Diversity in our personnel is an important aspect of Horner & Shifrin's policy and operations. We value differences in culture and life experience throughout our community, and we continue to work towards harnessing the benefits of a diverse workforce through our recruitment procedures and practices to ensure that employment at Horner & Shifrin is open to all.

GENERAL EXPERIENCE OF FIRM:

Horner & Shifrin, Inc. (H&S): H&S is a multidisciplinary professional services firm founded in 1933 in St. Louis. We offer comprehensive services across all project phases, including feasibility planning, funding application assistance, land survey, 3D scanning, environmental planning, engineering design, construction administration, and GIS mapping. As a 100% employee-owned firm, we are personally invested in client satisfaction, making us the right choice for any project.

Our team's focus on developing viable concepts early in the project, coordinating with MoDOT throughout, and emphasizing quality at all stages of design and plan development gives our team the confidence to deliver a successful project. We will continually monitor projected construction costs for the project, recognizing the inflationary environment that currently exists. **Quality plans help reduce potential risk for the contractor resulting in competitive bids.** Key personnel are dedicated to each project, with availability reserved to meet proposed schedules. Cross-trained staff provide continuity and uninterrupted progress, even in the event of absences. We maintain on-call availability during critical phases, such as construction milestones or testing periods. For projects requiring flexible or accelerated schedules, H&S utilizes innovative digital collaboration tools and escalation protocols for time-sensitive matters. Ultimately, success comes from detailed planning and execution, and by leveraging this shared expertise, we can effectively coordinate efforts, streamline processes, and optimize project outcomes, leading to a successful end result that meets or exceeds client expectations.

H&S implements a robust quality control plan on all projects. **Our system assures that all deliverables are checked by at least two engineers and includes independent checks of key items, which could otherwise result in deficiencies during construction.** Our well-established process is a company standard, integrated into the critical path to ensure quality control reviews do not delay project delivery. We will continually monitor projected construction costs for the project, recognizing the inflationary environment that currently exists. Quality plans help reduce potential risk for the contractor resulting in competitive bids. Ultimately, success of the project comes from detailed planning and execution, and we are up to that challenge to deliver on this project.



QA/QC system to ensure design and construction standards are met.

PAST PERFORMANCE:

Howard George Bridge Repair | City of Manchester, Missouri

The single span bridge over Grand Glaize Creek had a deteriorated deck and required additional repairs. The project included replacement of the deck, new sidewalk and barriers, substructure repairs and bearing replacements. One bent was made integral and the other semi-integral to improve corrosion resistance. Minimal girder repairs and painting were also included. An adjacent gabion wall was repaired. Project included structural and roadway plans as well as construction inspection services.

Reference: David Pracht, City of Manchester, Missouri, Assistant Director of Public Works, (636) 227-1385, dpracht@manchestermo.gov

Buckley Road Bridge | St. Louis County Department of Transportation and Public Works

This project consisted of replacement of existing vehicular and pedestrian bridges with a new single cell precast box culvert. The new structure featured unique concrete wingwalls to allow connectivity to existing gabion baskets supporting the channel banks. Work included new sidewalk, curb, and fencing. The culvert was sized to allow for a second future sidewalk. Design plans provided an innovative construction methodology which utilized an existing bridge abutment to serve as shoring and minimize need for excavation.

Reference: William Stevens, St. Louis County Department of Transportation and Public Works, Project Manager II, Project Development Division, (314) 615-8172, wstevens@stlouisco.com

CR 302 Viaduct over Union Pacific Railroad | Butler County, Missouri

Horner & Shifrin provided engineering design, construction observation, materials testing, right-of-way acquisition, and contract administration for improvements to the Industrial Park Bypass Road to build a viaduct over the Union Pacific Railroad. The Industrial Park Bypass has become a significant thoroughfare in the area due to workers accessing their respective businesses in the Poplar Bluff Industrial Park. The project included the construction of a new viaduct over both Union Pacific Tracks. The roadway was designed to match the existing 36' wide road located on the west side of the tracks. A 135-foot single-span bridge spans the tracks while Mechanically Stabilized Earthen (MSE) walls parallel the tracks to minimize bridge length. Fill was placed to the east and west of the bridge utilizing a 3-to-1 slope (or less) on the sides, and provide a 5% grade for the roadway. The \$2.6 million dollar project included a \$1.42 million dollar Department of Economic Development Grant (DED), as well as an EDA grant in the amount of \$1.0 million dollars. The remaining funds were provided through Union Pacific and In-Kind funding.

Reference: Don "Butch" Anderson, Butler County, Missouri, Commissioner, (573) 686-8050, butch@tcmx.net

South Sprigg Street Restoration | City of Cape Girardeau, Missouri

This project included design of a three span, 385' long prestressed concrete girder structure to replace the existing bridge which was in danger of collapse due to the presence of numerous sink holes. A geotechnical investigation was completed to determine the best locations to place new spread footings to support the bridge. Spread footings were used in lieu of drilled shaft for more internal redundancy of the foundations given the underlying karst. The plans included measures for the contractor to deal with differing rock conditions including crevices and lack of support of the footing edges. A system to cap open sinkholes was also designed. The bridge also included gas and water line attachments.

Reference: Stan Polivick, Cape Girardeau Public Works Department, Public Works Director, (573) 339-6760, spolivick@cityofcapegirardeau.org

Lakeside Signal Inspection | City of St. Peters, Missouri

Horner & Shifrin completed a structural inspection of a signal structure at the intersections of Lakeside Park Dr/Premier Parkway and Grand Teton Dr./Mid Rivers Mall Dr. in the City of St. Peters. The inspection included a visual evaluation of the signal pole and concrete foundation with recommendations for repairs and their construction cost.

Reference: Kelsey Buford, City of St. Peters, Missouri, Traffic Engineer, (636) 477-6600, kbuford@stpetersmo.net

Sutters Mill Road Bridge Replacement | City of St. Peters, Missouri

This project consists of design of a replacement structure carrying Sutters Mill Road over Spencer Creek along with associated roadway work including extension of a sidewalk and multi-use path. The new bridge is an 84-ft long simple span structure comprised of prestressed concrete NU girders supported by integral abutments on steel H-pile. A new aesthetic canopy structure providing the appearance of a traditional covered bridge was also designed for the location. Decorative lighting and stone patterned form-lined barriers further enhance the appearance of the project which replaced a neighborhood landmark.

Reference: Russ Batzel, City of St. Peters, Missouri, City Administrator, (636) 477-6600, rbatzel@stpetersmo.net

Pollock Road Bridge | City of Mexico, Missouri

H&S is currently in the preliminary design phase of this Regional Bridge Program funded bridge replacement project for the City of Mexico, MO. The two-laned structure and adjacent roadway are being designed to meet the rural, agricultural community's needs while addressing the geometric constraints of the existing bridge site. The existing roadway has a slight kink and then a 90-degree curve to the west of the bridge and a steep incline to the east. To improve the roadway alignment as well as the hydraulic performance, H&S is investigating a single span which utilizes NU-53 girders for the 120-foot bridge in conjunction with raising the grade of the roadway. This will serve to soften the steep incline as well as provide a larger hydraulic opening, all while reducing costs by keeping the substructure out of the waterway.

Reference: Tim Sullenger, St. Charles County Highway Department, Highway Projects Engineer, (636) 949-7305, tsullenger@sccmo.org

Mexico Road over Dardenne Rehab Bridge | City of St. Peters, Missouri

Horner & Shifrin completed plans for the repairs and widening of the Mexico Road Bridge over Dardenne Creek. The project completed bridge repairs including concrete repairs, extension of slab drain collection systems, replacement of bridge approach slabs, repair of approach sidewalks, replacement of guardrail, erosion repair, and an epoxy polymer wearing surface treatment. In addition to the repairs, the existing sidewalk was widened by 4' to create a 10' wide multi-use path. The widening was completed by building a new 10' sidewalk on top of the existing deck and cantilevering it 4'. The multi-use path provides connection to a future extension of the Dardenne Greenway trail system. Lighting was upgrading under the bridge along the existing trail. Construction was completed in stages to minimize the interruption of traffic.

Reference: Tim Sullenger, St. Charles County Highway Department, Highway Projects Engineer, (636) 949-7305, tsullenger@sccmo.org

Memorial Park Pedestrian Bridge Replacement | City of Brentwood, Missouri

Project consists of design of a 40-ft long replacement pedestrian bridge over a Tributary to Black Creek. H&S designed the concrete abutments founded on spread footings for a prefabricated steel truss bridge with concrete deck. The bridge is part of an existing trail system within Memorial Park for the City of Brentwood, MO.

Reference: Tim Sullenger, St. Charles County Highway Department, Highway Projects Engineer, (636) 949-7305, tsullenger@sccmo.org

QUALIFICATIONS OF PERSONNEL:



Carrie Beth Wright, PE | Project Manager - Horner & Shifrin

Carrie Beth Wright is a Structural Bridge Engineer and Project Manager with over 19 years of structural design experience. She serves as a Project Manager, lead designer and Engineer of Record for bridge projects. Carrie Beth also has experience with railroad coordination, and she understands the importance of timeliness and responsiveness in terms of keeping projects on schedule.



Marty Chorkey, PE | Project Manager - Horner & Shifrin

Marty Chorkey has 18 years of experience in the bridge design industry, most of which are in the greater St. Louis region. Marty's responsibilities have included inspection, design, project management and construction support as well as internal roles in training, mentorship and workflow analysis. Because of this vast experience, Marty understands the full project process and what it takes to thoroughly understand client needs and communicate those needs to the project team in order to deliver successful projects.



Tom Lohman, PE, SE | Quality Assurance - Horner & Shifrin

Tom Lohman has more than 28 years of experience as a structural engineer, project manager, and inspector, specializing in highway bridges and related structures. Tom has a thorough knowledge of MoDOT standards and procedures. As the manager of H&S's Structural Business Unit, he is responsible for assuring quality deliverables.



Caleigh Ruether, PE | Structural Engineer - Horner & Shifrin

Caleigh Ruether is a structural engineer with 9 years of experience with a specialty in the design of transportation structures. Caleigh spent six years at MoDOT, where she served as Structural Designer and Bridge Location and Layout Designer, working on projects across the state of Missouri. She has experience with 2D hydraulic modeling, 1D hydraulic modeling, prestressed girder design, continuous steel girder design, simple for dead load and continuous for live load steel girder design, and curved steel girder design.



Utkarsh Kode, PE | Structural Engineer - Horner & Shifrin

Utkarsh Kode has more than five years of experience in structural engineering and bridge design. Has worked on projects for multiple DOT's and other permitting agencies. Primary involvement has been on design of highway bridge structures with some experience with smaller pedestrian bridges, network vault design, and performing bridge inspection.



Nick Palmer, PE | Bridge Hydraulics Engineer - Horner & Shifrin

Nick Palmer is a structural engineer with 14 years of experience in the field of transportation. His specialization includes the preparation of Phase I and Phase II design documents and the design of highway, railroad and pedestrian bridge structures. Nick is responsible for the design and inspection of new and existing transportation structures.

FAMILIARITY & CAPABILITY:

The H&S team has the capacity to complete your project within the proposed timeline. With 17 Structural engineers and more than 60 full-time local licensed Professional Engineers, we have the flexibility to assign experts appropriately suited to the needs of your project. **We are well-versed in MoDOT's LPA process and make sure we address constraints early, and keep development aligned with the Engineering Policy Guide (EPG) and SAFER guidance.** Our structural staff are familiar with all aspects of bridge design as it applies to LPA projects. We are capable of handling both large and small projects, and numerous projects at the same time. All of our Project Managers have completed MoDOT's LPA certification training. Additionally, H&S is a MoDOT Bridge Engineering Assistance Program (BEAP) consultant, and have worked with many LPA's to help develop project scopes and estimates to aid in funding applications.

Our structural bridge engineering team brings deep experience with retaining walls, bridges, and hydraulics, as well as complete concept, preliminary, PS&E, and construction phase design services. Projects across Missouri, Illinois, and Arkansas—spanning from low-volume, rural crossings to complex, bundled bridge replacements—demonstrate our ability to innovate and drive results spanning design codes such as AASHTO LRFD, MoDOT standards, and Federal Aid requirements. **H&S has had on-call contracts with MoDOT, ArDOT, IDOT, and Manchester, Missouri for many years, a testament to the trust these agencies have in our ability to successfully complete projects.**

Our multidisciplinary staff enables us to deliver assistance at any time during project design and construction, with the flexibility to pull in additional resources to meet project needs while keeping projects on schedule. We have proven ability to complete quality projects for MoDOT and various counties and municipalities across the state, with a strong track record of delivering projects on time and within budget.

SUMMARY: As demonstrated by the projects outlined above, H&S is well suited to support this effort through our experience, technical expertise, and longstanding commitment to quality. We understand that MoDOT expects its consulting partners to go beyond simply meeting project goals, and we share that standard. We appreciate your consideration and look forward to continuing our successful partnership. Please contact us if you have any questions.

Sincerely,



Marty Chorkey, PE
Project Manager - Structural
(314) 335-8631



Carrie Beth Wright, PE
Project Manager - Structural
(618) 726-0304



Tom Lohman, PE
Assoc. VP, Business Unit Leader - Structural
(314) 335-8637

HORNER SHIFRIN

An Employee-Owned Company



Innovative Solutions & Trusted Partners for Local Public Agencies

Who We Are

Horner & Shifrin, Inc. is a multidisciplinary professional services firm founded in 1933 in St. Louis, Missouri. We offer comprehensive services across all project phases, including feasibility planning, funding application assistance, land survey, 3D scanning, environmental planning, engineering design, construction administration, and GIS mapping. Our senior-level staff ensures thorough project reviews, and our innovative designs have earned professional awards and repeat assignments from 80% of our clients. As a 100% employee-owned firm, we are personally invested in client satisfaction, making us the *right choice for any project.*



Why Choose Us

94%

Client Satisfaction

92

Years In Business

100%

Employee-Owned



Markets

- Education
- Emergency
- Government
- Healthcare
- Private
- Utilities

Services

- Airport
- Building Services
- Construction Services*
- Drinking Water
- Environmental Planning & Permitting*
- Geospatial (GIS)
- Public Involvement
- Site Development
- Structural*
- Surveying
- Roadway*
- Traffic*
- Wastewater
- Water Resources

Office Locations

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OUR LPA SERVICES

Horner & Shifrin, Inc. has extensive experience with Local Public Agency (LPA) federally-funded projects and has completed over 50 federally-funded LPA projects within the past 10 years. The firm has specific and relevant experience related to on-call assignments for municipalities and transportation departments throughout the St. Louis region, including on-call services for the cities of Manchester, Des Peres, Clayton, and Wentzville, along with Jefferson County and the Missouri & Arkansas Departments of Transportation.

Roadway

Horner & Shifrin uses forward-thinking design techniques and practical measures including a strong Quality Control program to decrease project costs and provide the highest quality while maintaining the integrity of roadway projects. Our engineers have provided management and design of roadway engineering projects for state and interstate highways as well as county highways and local roadways. Expertise includes project management, budget control, cost estimating, scheduling and public involvement activities, design and construction phase services. Services include ADA/PROWAG Curb Ramps & Sidewalks, Complete Streets, Highway Planning and Design, Local Road and Street Design, Traffic Calming Design, and Signal Design.

Construction Services

Horner & Shifrin provides comprehensive project monitoring, value engineering, scheduling, cost control, and construction administration. We have extensive certifications through USACE, MoDOT, IDOT, ACI, and OSHA to ensure we provide clients with continuity in construction observation practices and help achieve projects completed on time and within budget. Construction services specialists have experience in concrete bridge deck replacement, asphalt and concrete roadway construction, pavement repairs, field/laboratory materials testing, bridge paint inspection, sign inspection, full and partial depth roadway repairs, roadway signal and lighting, and structural steel inspection.

Structural

Horner & Shifrin provides a complete array of structural engineering services for both bridges and buildings. Our expertise encompasses research, planning, design, construction, inspection, and rehabilitation of permanent and temporary structures, considering technical, economic, environmental, and aesthetic aspects. Structural services include bridge design, bridge safety inspections, load ratings, retaining walls, culverts, foundations, superstructures, and value engineering.

Environmental

Horner & Shifrin provides services related to planning and permitting for projects ranging from permitting for local entities to complex environmental impact statements and assessments for clients seeking approval for infrastructure projects. We use state-of-the-art GIS technology to identify existing environmental conditions and provide solutions to address engineering, environmental, and development concerns. Services include NEPA documentation, environmental impact assessments, permitting coordination with federal and state agencies, threatened and endangered species surveys, wetland delineations, and environmental compliance.

Trails & Sidewalks

Horner & Shifrin creates transportation systems and networks that focus on the needs of people and the communities they live in. The firm creates connected communities for walking, bicycling, rolling and using public transit through thoughtful design that promotes individual choice, accessibility, and healthy lifestyles. Active transportation services include Complete Streets/Great Streets Design, Trail/Greenway/Bikeway Design, Pedestrian and Bicycle Infrastructure Design and Layout, ADA/PROWAG Design, Sidewalks and Curb Ramps, Traffic Calming Design, and Recreational and Sport Facility Design.

Traffic Engineering & TEAP

Horner & Shifrin possesses expertise that spans the range of traffic engineering needs, including traffic impact studies, signal optimizations, traffic modeling, safety studies, and road safety assessments. Our team has provided traffic engineering support to several local agencies, including local municipalities, county governments, and DOT's. Our traffic engineers are well-versed in finding solutions that strike the proper balance between improved traffic operations, the safety of the community, and other factors unique to a project location.

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CORPORATE HEADQUARTERS

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