



**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:

Tobin Bonnell

Contact Email

Address:

ttbonnell@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, PE | Local Program Administrator
lpaoncall@modot.mo.gov

December 12, 2025

Dear Ms. Buechter and Members of the Selection Committee,

Horner & Shifrin appreciates the opportunity to present our firm's Traffic Engineering qualifications for on-call professional services. We have significant experience and a wide range of capabilities related to the Traffic Engineering category. Our firm has worked with Local Public Agencies across the state on a variety of project types & sizes. We understand the challenges presented on any project and recognize the need to be efficient, on schedule, within budget, and develop high quality deliverables. H&S has the resources available to assist local agencies with any project and offer project managers and design teams with the resumes and engineering knowledge that will match your needs. ***Our team is committed to a strong, collaborative partnership with MoDOT and their LPA partners and to delivering the high-quality traffic engineering services MoDOT has come to expect from H&S.***

**H&S is
currently
prequalified
with MoDOT**

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.

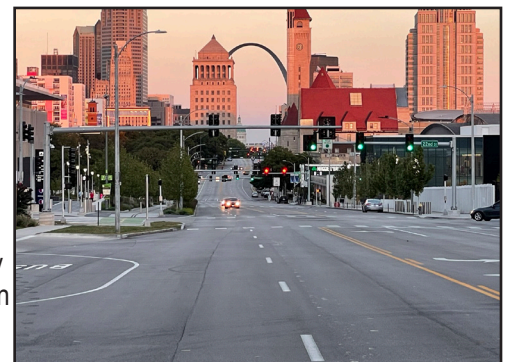
Key personnel are dedicated to each project, with availability reserved to meet proposed schedules. Cross-trained staff provide continuity and uninterrupted progress, even in the event of absences. We maintain on-call availability during critical phases, such as construction milestones or testing periods. 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.

The H&S traffic team 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 is 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. To support our traffic recommendations, our team utilizes the latest versions of Synchro and SIDRA traffic simulation software. The firm's commitment to leveraging this technology enables the most efficient, accurate, and cost-effective project delivery.

PAST PERFORMANCE:

Jefferson/22nd Traffic Flow and Corridor Improvements | St. Louis Board of Public Service

Horner & Shifrin was the design lead for the Jefferson / 22nd Street Traffic Flow and Corridor Improvements project in the City of St. Louis. The project focuses on improved traffic flow from I-64 to the future National Geospatial-Intelligence Agency (NGA) West Headquarters to the north on Jefferson Avenue. The project reestablished the City grid system of streets converting excess MoDOT right of way to 4 large parcels for development in Downtown West. These parcels became the home of St. Louis' new Major League Soccer team, St. Louis CITY SC. The project included roadway, drainage, signal, and pedestrian improvements to the following nine city streets: Jefferson Avenue, 22nd Street, 21st Street, Chouteau Avenue, Scott Avenue, Clark Street, Market Street, Pine Street, and Olive Street. The project also included an extensive bicycle facility separated from dangerous vehicular traffic. The new bikeway created a new low-stress connection from Jefferson/Chouteau to Market/20th. Improvements were coordinated with MoDOT's I-64 interchange improvements as well as all the St. Louis CITY SC site improvements including CITY Park Stadium, multiple practice pitches, and team store. The project was funded by 80% STP & CMAQ federal funds and 20% local St. Louis Development Corporation (SLDC).



Contact: Kevin Trapp, St. Louis Board of Public Service, St. Louis District, Assistant Chief Engineer, (314) 589-6606, trappk@stlouis-mo.gov

Hartman Lane at Central Park Drive, Phase I/II | City of O'Fallon, Illinois

H&S performed Phase I (Design) & II (Construction Plans) for the city of O'Fallon, IL to add a 2nd left turn lane from Hartman Lane to Central Park Drive. As part of the Congestion Mitigation & Air Quality (CMAQ) grant, and funds from the Rebuilding Illinois program, the City will reconstruct the signalized intersection to accommodate two southbound left turn lanes. The southbound receiving lanes from US Highway 50 will extend to the intersection and create the second left turn lane. This design requires a shifting of the northbound through lane and reconstruction of various commercial entrances. Upgrades to adjacent entrances, sidewalks, and ADA ramps are necessary within the project limits. The project involved full replacement of the existing traffic signal at the intersection of Central Park Drive to provide full protection for the southbound dual left-turn movement, as well as countdown signal heads and Accessible Pedestrian Signal (APS) push buttons in compliance with the final rule on Public Right-of-Way Accessibility Guidelines (PROWAG).

Reference: Jeff Taylor, City of O'Fallon, Illinois, Public Works Director, (618) 624-4500, jtaylor@ofallon.org

Safety 2.0 Design-Build | MoDOT, St. Louis District

H&S is the Prime Design Consultant for this \$50M project. The Safety Improvements project was developed to reduce fatal and serious injury crashes in MoDOT's St. Louis District for pedestrians and other roadway users. This project is a partnership between MoDOT and St. Louis County. This project will involve work on MoDOT routes within the City of St. Louis, St. Louis County and Jefferson County. The goals of this project are to reduce fatal and serious injury crashes; maximize safety improvements for pedestrians and roadway users distributed equitably across the project area; provide improvements with reasonable maintenance and service life; and construct improvements with an emphasis on safety for workers and the public. **2024 Missouri Highway Safety & Traffic HOPE Award.**

Reference: Rob Flotron, MoDOT, St. Louis District, West Contracting, Project Manager, (636) 677-1414, rflotron@yahoo.com

Redbird (South) - Phase 3 MOU 24-2 | Jefferson County Public Works Department

Horner & Shifrin (H&S) is the prime for the Jefferson County Public Works Department involved the evaluation of traffic operations and safety for US 61 at the interchange of Interstate 55 (I-55), as well as its intersection with River Cement Road, south of the cities of Festus and Crystal City, Missouri. This evaluation was requested in conjunction with on-going discussions regarding the James Hardie development at the former site of the Festus Memorial Airport, and the associated improvements to the I-55 outer road system. The evaluation explored coordinated signalization of the three impacted intersections versus alternative solutions developed by H&S. The evaluation concluded that the recommended design would be to implement a ¾ access intersection at River Cement Road and US 61 that works in conjunction with a new roundabout at the intersection of US 61 and the northbound I-55 ramps. Safety was a major factor in this determination, as the signalization alternative presented concerns with respect to the anticipated queuing, stopping sight distances, and existing roadway grades to the north of the corridor. This solution was accepted as agreeable to MoDOT, and final design of the roundabout was completed by H&S. H&S performed traffic operation analysis and safety evaluations, as well as prepared the evaluation memorandum and progression of roundabout design to final PS&E.



Reference: Lane Harness, Jefferson County Public Works Department, Civil Project Manager II, (636) 797-5573

Belle-Clair Fairgrounds Traffic Study | Public Building Commission of St. Clair County

H&S is the prime for the traffic impact study for the proposed expansion of the existing Belle-Clair Fairgrounds in Belleville, Illinois. The purpose of this study was to assess the potential impacts that the proposed site improvements, which included a new proposed access point on IL Route 159, would have upon the surrounding transportation system. Assessment of the transportation system included consideration of implementation of a roundabout intersection at the interchange of IL Route 159 and IL Route 13. The study included assessments of the existing surrounding transportation infrastructure and proposed improvements to the existing fairgrounds site, along with projected trip generation estimates, trip distribution estimates, capacity and warrant analyses, and summary of the traffic analysis findings. H&S performed the traffic analyses associated with the study, formulated recommendations, and executed preparation of the study for review by IDOT staff.

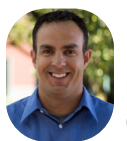
Reference: Bill Reichert, Public Building Commission of St. Clair County, Architectural & Planning Advisor, (618) 825-26733, bill.reichert@co.st-clair.il.us

QUALIFICATIONS OF PERSONNEL:



Tobin Bonnell, PE, PTOE, RSP1 | Project Manager/Traffic Engineering Lead - Horner & Shifrin

Tobin Bonnell has more than 23 years of experience in transportation planning, traffic engineering design, and project management. Experience includes traffic impact studies, traffic signal design, pedestrian/bicycle facility design, roadway and intersection design, and maintenance of traffic. Tobin has consulted for several public agencies throughout the country at the municipal, county, and state levels.



Ramin Ashrafzadeh, PE | Project Principal - Horner & Shifrin

Ramin Ashrafzadeh is experienced in civil design related to transportation and site development. He has managed the design of numerous roadway projects and coordinated all aspects of design including roadway geometrics; sidewalks; ADA curb ramps; utility coordination; drainage analysis; bioretention and other water quality Best Management Practices; and permitting.



Stephen Sichmeller, PE | QA/QC - Horner & Shifrin

Stephen Sichmeller is a civil engineer with 14 years of experience in the design of roadway infrastructure projects, including more than 12 with Arkansas DOT where he managed multiple design teams, consultants, and hundreds of projects. Stephen has been responsible for project management, corridor design, plan development, specifications, cost estimates, project coordination with other disciplines, and QA/QC. He is also Local Public Agency certified by MoDOT, giving him a thorough understanding of LPA project requirements.



Tyler Jaycox, PE | Intersection/Roadway Safety Design Lead) - Horner & Shifrin

Tyler Jaycox has been working in the engineering field for more than 6 years. Since he started his career, he has worked as a construction engineer and is currently working as a design engineer. His experience includes both concrete and asphalt roadway design, ADA compliant sidewalk and shared use paths, and drainage improvements. Tyler possess skills such as communication and time management that are beneficial to completing projects efficiently.



Tara Wilkinson, PE | Project Engineer - Horner & Shifrin

Tara Wilkinson is a civil engineer with over a decade of experience split between the public and private sector. Her experience includes various aspects of roadway design including geometric design, plan production, cost estimating, and utility coordination. Specific areas of interest and expertise include storm water analysis and design as well as signal/traffic coordination and design. Software applications she utilizes regularly include Microstation, GEOPAK, Open Roads Designer, and HEC-RAS 2D.



Brian Bettinardi, PE | Project Engineer - Horner & Shifrin

Brian Bettinardi is a civil engineer with more than 13 years of experience in urban design roadway projects and more than seven years of experience in traffic engineering. He has expertise in intersection and traffic signal design. Brian previously worked as Staff Traffic Design Engineer at ARDOT.



Angie Hernandez | Project Engineer - Horner & Shifrin

Angie Hernandez is a design engineer with 2 years of experience in Phase I and Phase II projects. She has experience in roadway design and modeling as well as traffic signal design. She hold previous experience with IDOT and MoDOT.

FAMILIARITY & CAPABILITY:

The H&S team has the capacity to complete your project within the proposed timeline. With more than 60 full-time 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 Core Team process and use these meetings to guide key project decisions, address constraints early, and keep development aligned with the Engineering Policy Guide (EPG) and SAFER guidance.

Our team has extensive experience performing traffic engineering studies and developing traffic and safety-related construction plans for Local Public Agencies. We have intimate knowledge of the engineering requirements, processes, and checklists required with the various funding options. ***Our team's familiarity with these processes and successful delivery of past projects has remained consistent along with the longevity of our team members at H&S.*** This combination of experience, familiarity, and capability of our roadway design team of 42 professionals offers the ability to deliver comprehensive quality designs to your agency efficiently and quickly.

ACCESSIBILITY

H&S is committed to consistent accessibility for our clients. Our project managers are directly available, and we prioritize timely communication to ensure prompt support for LPA's. Reserved staff availability and cross-trained team members help maintain continuity and reliable responsiveness for MoDOT and local agencies.

SUMMARY:

Our past performance on similar federal and LPA projects demonstrates that H&S is well suited to support this effort with proven experience, technical expertise, and a longstanding commitment to quality. We understand that MoDOT expects its consulting partners to go beyond simply meeting project goals, and we share that standard. H&S is committed to delivering responsive service, and practical traffic, safety, and operations engineering solutions. We appreciate your consideration and look forward to continuing our successful partnership. If you have any questions, I can be reached at (314) 335-8643 or at tbonnell@hornershifrin.com.

Sincerely,



Tobin Bonnell, PE, PTOE, RSP1
Project Manager/Traffic Engineering Lead



Ramin Ashrafzadeh, PE | Project Principal
Assoc. VP, Assistant Business Unit Leader - Transportation

HORNER & SHIFRIN 202 EMPLOYEE OWNERS	
25	Building Services MEP/FP
13	Civil/Site
17	Construction Services
3	Environmental Science
24	Geomatics (GIS/Survey)
17	Structural
42	Transportation
31	Water/Wastewater/Stormwater
30	Administrative Staff

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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(618) 993-6411

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St. Charles, Missouri
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St. Charles, MO 63301-2802
(636) 277-9550

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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