

Mr. Kenny Voss, PE
Local Program Administrator
Missouri's Local Program (LPA)
MaryAnn.Jacobs@modot.mo.gov

November 15, 2013

Subject: Letter of Interest for Trails & Sidewalks On-Call Services

Dear Mr. Voss and Members of the Selection Committee:

Horner & Shifrin appreciates this opportunity to present our qualifications to Missouri's LPA for **Trails & Sidewalks On-Call Services**. To demonstrate our capabilities and expertise in providing engineering services for bridge replacements, we have prepared this letter for your review.

Our team is uniquely qualified to assure this project achieves or exceeds the project goals of success by offering the following.

- Extensive design experience: pedestrian and bicycle trails, associated drainage; ADA-compliant sidewalk, pedestrian signals.
- Highly responsive Project Managers with MoDOT and LPA Experience
- Recent experience with MoDOT District staff in multiple locations
- Excellent record of meeting challenging schedules and budgets on a variety of LPA trails and sidewalk projects
- Long history of cost saving designs
- Emphasis on responsiveness to field personnel during construction
- Workforce Diversity Plan

PREQUALIFICATION

Horner & Shifrin maintains our prequalification with MoDOT and is compliant with all of the requirements.

COMPANY REFERENCE FORMS

Please see the separate reference forms following this Letter of Interest.

GENERAL EXPERIENCE OF FIRM

Founded in 1933 in St. Louis, Horner & Shifrin is a professional multidisciplinary engineering firm. We offer engineering services in all phases of a project, including feasibility, planning, development, design and construction administration. We are structured to ensure that our principals and senior personnel are directly involved with all projects. We are a 100-percent employee-owned corporation, managed by our officers and directors. As employee-owners, we share a commitment to apply our expertise to the highest standards.

Goodfellow and Skinker Boulevards | City of St. Louis, MO. Five miles of roadway within the City of St. Louis were reviewed for ADA & PROWAG compliance including more than 50 intersections. Using a smart level, every existing sidewalk and curb ramp was measured to determine the grade. Ramps with detectable warning panels were designed to meet the ADA & PROWAG guidelines and retrofit improvements were made to pedestrian signals. Using as much of the existing infrastructure as possible allowed the project limits to be expanded to include additional intersections. *ARRA-funded project.*



Mexico/ Salt Lick Road Intersection | City of St. Peters, MO. Currently providing design improvements to the intersection of Mexico Road and Salt Lick Road to reduce traffic congestion. To be completed in 2012, new right turn lanes will be constructed from westbound Mexico Road on to northbound Salt Lick Road and from southbound Salt Lick Road on to westbound Mexico Road. Will also remove and replace existing traffic signals and provide ADA accessibility improvements. *CMAQ-funded project.*

Ladue Road Sidewalk Improvements | City of Creve Coeur, MO. Engineering Design for sidewalk improvements to Ladue Road from Coeur De Ville Drive to Graeser Road, approximately 1.4 miles. Project included removing and replacing existing asphalt sidewalks with new ADA-compliant concrete sidewalks and 10 ramps.

Progress Parkway | City of Maryland Heights, MO. Design improvements to Progress Parkway, a curving central artery for Westport, a busy corporate, commercial and retail district. Elements include widening of roadway from two to three lanes, drainage improvements, curbs and gutters replacement, shared-use bicycle lanes and ADA/PROWAG-compliant sidewalk additions on both sides. Other components include water quality and detention, erosion control conforming to MDNR requirements, and coordination with utilities, businesses, the City and St. Louis County. *STP-funded project.*

Litzsinger Road Improvements | City of Ladue, MO. Currently providing design of improvements to Litzsinger Road from Lindbergh Boulevard to McKnight Road, approximately 2.5 miles. Project includes milling and overlay, addition of sidewalks, drainage improvements and pavement repairs. We are also providing construction inspections services. *STP-funded project.*

Fee Fee Road Phase II Improvements | City of Bridgeton, MO. Currently designing Phase II improvements to Fee Fee Road from Old St. Charles Road to Interstate 70 overpass, approximately 4,500 feet. Improvements consist of widening and reconstruction of roadway, continuous ADA/PROWAG-compliant sidewalks along both sides of the roadway, pedestrian signal upgrades, bicycle guidance features and possibly street lighting. Project also includes drainage improvements such as new enclosed storm sewers and water quality Best Management Practices (BMPs).

Manchester Road Phase 3 | City of Maplewood, MO. Horner & Shifrin is designing roadway improvements for Manchester Road (Highway 100) to improve pedestrian safety & access and reduce travel delays at the Laclede Station Road intersection. The existing corridor consists of commercial properties with limited parking and frontage available for pedestrian facilities. H&S's design includes the removal and replacement of an existing concrete drainage swale with curb & gutter to facilitate construction of a raised concrete sidewalk adjacent to the new curb & gutter section. Impacts to commercial parking were thoroughly reviewed and acquisition of right-of-way was minimized. A left-turn lane is being added at the Laclede Station Road intersection and traffic signal facilities will be relocated and



replaced. Street & pedestrian lighting improvements are being designed. Coordination with Metro is required due to the proximity of a Metro transit station within the project limits. H&S has teamed with SWT Design to provide landscaping enhancements throughout the project corridor. The project requires adherence to LPA requirements and is federally-funded through the STP program. H&S will provide construction engineering services when the project is constructed.

Prairie Dell Road Improvements, Phase 1 | City of Union, MO. Design of improvements to Prairie Dell Road from Audrey Lane to south of Route 50 near the entrance to East Central College. The existing 2-lane road will be reconstructed and widened to 3 lanes to improve safety for left-turn movements into commercial properties and provide a landscaped median. H&S is developing alternates to improve access to the College and to address existing traffic issues. Coordination with the College and City to determine the preferred alternate is required. A trail will be constructed along the west side of the roadway adjacent to East Central College. The trail will meet ADA accessibility requirements as defined in the Public Right-of-Way Accessibility Guidelines (PROWAG). Street lighting will be designed along Prairie Dell Road. H&S will also be responsible for administration, inspection, and oversight of all construction activities. This process will follow the requirements of the LPA Manual since the project is federally funded.

PAST PERFORMANCE

Horner & Shifrin takes great pride in our commitment to our clients and always strives to achieve the highest level of quality, service and responsiveness. Reference Letters as well as a short summary of our most recent MoDOT consultant ratings follows:

PROJECT/CLIENT	ESTIMATED VS. ACTUAL DESIGN SCHEDULE COMPLETION		ESTIMATED VS. ACTUAL CONSTRUCTION COSTS	
	ESTIMATED	ACTUAL	ESTIMATED	ACTUAL
WARSON ROAD, PHASE III CITY OF LADUE	ESTIMATED	10/2011	ESTIMATED	\$868,979
	ACTUAL	10/2011	ACTUAL	\$650,049
PROGRESS PARKWAY CITY OF MARYLAND HEIGHTS, MO	ESTIMATED	07/2014	ESTIMATED	\$3,300,000
	ACTUAL	NA	ACTUAL	NA
MEXICO ROAD/SALT LICK ROAD INTERSECTION CITY OF ST. PETERS, MO	ESTIMATED	07/2012	ESTIMATED	\$400,000
	ACTUAL	07/2012	ACTUAL	On-Going
CRAIGSHIRE/LACKLAND ROAD CITY OF MARYLAND HEIGHTS, MO	ESTIMATED	08/2007	ESTIMATED	\$2,664,230
	ACTUAL	06/2010*	ACTUAL	\$2,707,598
GOODFELLOW AND SKINKER BOULEVARDS CITY OF ST. LOUIS, MO, BOARD OF PUBLIC SERVICE	ESTIMATED	02/2010	ESTIMATED	\$2,489,290
	ACTUAL	01/2010	ACTUAL	\$2,418,220
I-270 - DUNN ROAD MSE WALL REPAIR MODOT	ESTIMATED	12/2012	ESTIMATED	CONFIDENTIAL
	ACTUAL	12/2012	ACTUAL	TBD
LADUE SIDEWALK IMPROVEMENTS CITY OF CREVE COEUR, MO	ESTIMATED	12/2013	ESTIMATED	\$465,905
	ACTUAL	12/2013	ACTUAL	NA
O'FALLON ON-STREET BICYCLE LANES LOOP SYSTEM CITY OF O'FALLON, MO	ESTIMATED	10/2012	ESTIMATED	\$311,635
	ACTUAL	10/2012	ACTUAL	\$358,794*

QUALIFICATIONS OF PERSONNEL

Horner & Shifrin offers engineering services in all phases of a project, including feasibility, planning, development, design and construction administration. All staff assigned to the project have extensive experience working on FWHA, MoDOT and LPA funded projects.

Project Managers



Jarrett Jasper, PE | Project Manager. As your proposed lead Project Manager, I will be your main contact, and will oversee all elements related to the on-call projects. I have over 16 years of experience in roadway design, including serving as Project Manager for the I-70 Improvements, Manchester Rd Ph.3, Progress Parkway and Mexico - Salt Lick Intersection projects and as engineer for Goodfellow-Skinker Boulevard. I have a thorough understanding of LPA project requirements, and experience coordinating with MoDOT, MSD, utilities and other agencies. I am completely familiar with ADA, PROWAG and ADAAG requirements.



Ramin Ashrafzadeh, P.E. | Project Manager. Ramin has over 16 years of experience in the design of roadway and infrastructure improvements and am completely familiar with ADA and PROWAG requirements. His experience includes serving as Project Manager for the Broadway Streetscape, Litzinger Road Improvements, Warson Road Phase II Improvements, and Ladue Road Sidewalk Master Plan projects and as Project Engineer on the Progress Parkway.



Aaron Harrison, PE | Project Manager/Engineer. Aaron has over 15 years of experience in civil design related to roadways, sidewalks, trails and site development. He is Local Public Agency certified by MoDOT and has played an integral role in many of the projects listed above including serving as Project Manager on Ladue Rd. Sidewalks and Project Engineer on the Manchester Rd Ph.3, Litzinger Road Improvements, Warson Phase II Improvements projects. We will be supported by:

Project Team



Gino Bernardes, PE | Project Principal, QA/QC Reviewer. Gino, Vice President of the firm, has more than 32 years of civil engineering project experience including master planning and design of infrastructure improvements for transportation projects. Gino was Project Principal for all of the projects listed in the above section. As Project Principal and QA/QC Reviewer for these projects, Gino will oversee that we receive the support we need to complete the projects on time and within budget.



Gene L. Rovak, PE, CFM | QA/QC, Hydraulic, CLOMR/LOMR. With a career spanning over 40 years, Gene Rovak has extensive experience with hydraulic and hydrologic analyses for flood investigations, 10 CLOMR/LOMRs, drainage design and master planning studies, and construction documents for site development and infrastructure systems.



Brian D. Schmidt, PE, PTOE, Traffic Engineer. Brian's 12 years of experience in transportation design and construction observation includes being responsible for all of the firm's traffic study and analysis projects. Brian is a certified Professional Traffic Operations Engineer, which documents that Brian has met exacting and objective criteria in the areas of standards, recommended practices, and the policies and procedures necessary to operate effective and efficient traffic facilities. His experience includes the New I-64 Design/Build Project, Progress Parkway, Manchester Rd Ph.3 and Emerson Road Concept Plan.



John Auer | Project Designer. John Auer is a civil designer with over 27 years of broad-based experience in land planning, site design, roadway, storm water management and infrastructure design. He has outstanding analytical and problem solving skills and a proven record of keeping projects on time and under budget. His experience includes the Progress Parkway, Litzinger Road Improvements, Ladue Road and Sidewalk Master Plan and River City Casino Development projects.



Stephanie Bleser, PE | Project Engineer. Stephanie is a civil engineer with nine years of experience. Her expertise includes transportation, traffic and railroad engineering. She is proficient with InRoads and MicroStation. Her experience includes the Oak Grove Road, Phase III project.



Gregory Recker, PE | Project Engineer. Gregory Recker is a civil engineer with 23 years of roadway/highway design and site development experience including conceptual plans, traffic analysis, project cost estimating, public hearings and meetings, signal warrants, preliminary design, value engineering studies, earthwork calculations, pavement drainage, enclosed drainage, storm water detention, right-of-way plans, signal plans, erosion control, traffic control, final design and specification writing. As a former Senior Highway Designer with MoDOT, Greg is thoroughly familiar with their standards and procedures.



David R. Riechmann, PE | Project Engineer. David has five years of experience in the design of roadway improvements. He is experienced with transportation design and traffic studies; highway and street design; preparing rights-of-way and construction plans. His experience includes Progress Parkway, the River City Casino Access Road and the new I-64 Design/Build Project for MoDOT.

HORNER & SHIFRIN 72 EMPLOYEE-OWNERS	
15	TRANSPORTATION / CIVIL ENGINEERS
2	CONSTRUCTION ADMINISTRATION
13	STRUCTURAL ENGINEERS
13	ENVIRONMENTAL / SANITARY ENGINEERS
4	ELECTRICAL / MECHANICAL ENGINEERS
10	DESIGNERS/CAD OPERATORS
4	GIS SPECIALISTS
3	SURVEYORS
8	ADMINISTRATION

FAMILIARITY AND CAPABILITY

Horner & Shifrin has assembled an experienced team of engineers adept at handling the variety of trail and sidewalk projects, such as design and rehabilitation and improvements associated with on-call assignments. Our transportation/civil engineering staff of 15 are fully conversant with agency procedures and can provide the needed services within a realistic timeframe. We have substantial experience with federal funding programs and their requirements and plan accordingly. We will commit the personnel necessary to begin your project immediately upon Notice to Proceed and are dedicated to meeting its completion schedule.

ACCESSIBILITY OF FIRM & STAFF

With offices in St. Louis, Springfield and Poplar Bluff, MO, we have good coverage of the state for early planning trips and site visits. Our engineers are experienced working on projects throughout Missouri, and will be available for meetings with clients for site visits, public informational meetings or other events.

Horner & Shifrin has the relationship and expertise to professionally perform all of your On-Call projects on-time and on-budget. Our staff will continue to suggest better practices that save you time and money on projects. Our team of 15 transportation engineers will be committed and available to dedicate the time needed for all of your potential On-Call projects. We are committed to utilizing a diverse workforce for this and all LPA projects.

We would greatly appreciate the opportunity to show you once again our outstanding quality engineering design services on your On-Call projects. Should you have questions or require additional information, please contact me at 314-335-8656 or Gino at 314-335-8616 or at jjasper@hornershifrin.com or gbernardez@hornershifrin.com.

Sincerely,

Jarrett D. Jasper, P.E.
Associate Vice President
Assist. Dept. Manager, Transportation/Civil Engineering

Gino Bernardez, P.E.
Vice President
Manager, Transportation/Civil Engineering

Founded in 1933, Horner & Shifrin has been providing professional engineering services to municipalities across Missouri for the past 80 years.

Horner & Shifrin has designed numerous successful projects for Local Public Agencies (LPAs). We have a thorough understanding of all federal requirements, funding obligation deadlines, and specification requirements mandated by MoDOT Local Roads.



Roadway Design



Trails & Sidewalks



Construction Inspection



Traffic Engineering & TEAP



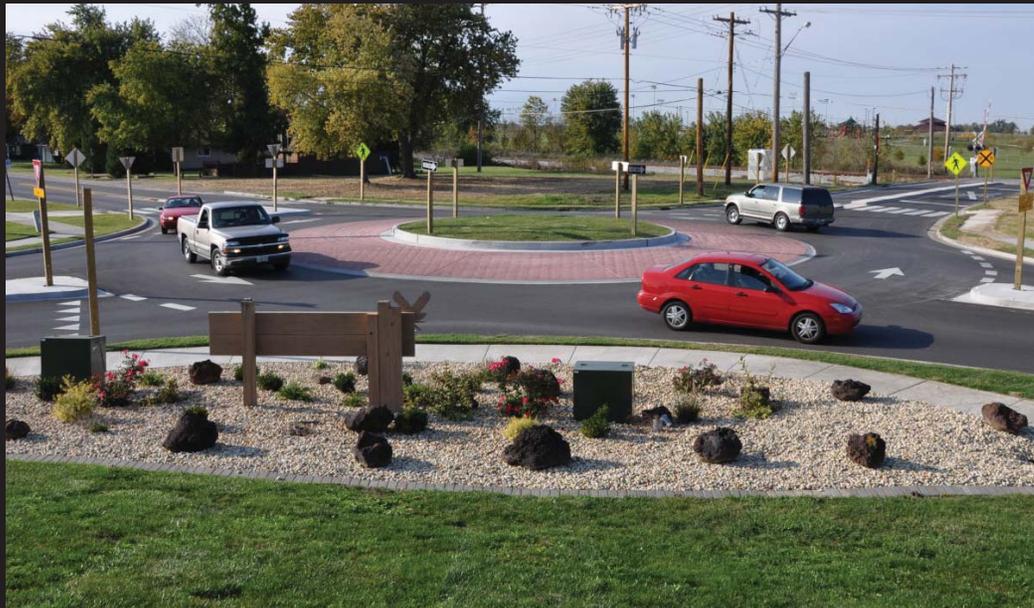
Structures

ROADWAY DESIGN



Horner & Shifrin uses creative 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 our transportation projects.

- Highway Planning and Design*
- Local Road and Street Design*
- Internal Roadways and Parking Design*
- Traffic Calming Design*
- Air and Noise Pollution Reduction Design*
- Public Involvement/Community Relations*
- Environmental Impact Assessment Studies*
- Major Investment Studies*
- Corridor Location Studies*
- Feasibility Studies*
- Funding Applications*
- Transportation Funding Alternatives*
- Safety and Accessibility*
- City Engineer and On-Call Services*



TRAILS & SIDEWALKS



Horner & Shifrin has extensive experience in the planning and design of pedestrian and bicycle trail projects.



Sidewalks | Multi-Use Trails
On-Street Bike Routes | Streetscapes
ADA Compliance | Signage



TRAFFIC ENGINEERING



Horner & Shifrin has the experienced staff and state-of-the-art equipment required to provide the very highest quality data for use in reducing congestion and improving traffic flow and the quality of life for the traveling public.

Traffic Calming Design

Traffic Capacity and Signaling Design

Traffic Studies



CONSTRUCTION INSPECTION

Our construction engineers have successfully managed numerous projects from the bidding phase through project closeout. Our team has the experience needed to identify and resolve conflicts early, avoiding construction delays.



Our familiarity with Federal Highway Administration and MoDOT requirements on Surface Transportation Programs (STP) funded projects provides us with the ability to efficiently process change orders, pay requests, and final closeout documentation.

STRUCTURES

Horner & Shifrin provides a complete array of structural engineering services related to the design and construction of bridges. Our structural engineers are experts in the research, planning, design, construction, inspection, monitoring, maintenance, rehabilitation and/or demolition of permanent and temporary structures.



- New Bridge Design***
- Rehabilitations***
- Replacements***
- Bridge Studies***
- Bridge Hydraulics***



- Culverts***
- Arch Structures***
- On-call Services***
- Foundations***
- Value Engineering***



- Load Ratings***
- Pedestrian Structures***
- Retaining Walls***
- Seismic Analysis and Design***



- Fracture Critical Bridge Inspections***
- Seismic Retrofits***
- Sign Structures***
- Funding Application Assistance***