



HURST-ROSCHÉ
ENGINEERS, INC.

November 15, 2013

Missouri's Local Program (LPA)
MoDOT Central Office
Mr. Kenny Voss, PE
Local Program Administrator

Re: Letter of Interest, On-Call Professional Services
Work Category Description: Construction Inspection

Dear Mr. Voss:

Pursuant to the *Missouri's Local Program (LPA)*'s Request for Professional Engineering Services, *Hurst-Rosche Engineers, Inc.* herewith submits this Letter of Interest for the subject On-Call Professional Services - Work Category Description: Construction Inspection.

Hurst-Rosche Engineers, Inc. is a full-service engineering / architectural firm, providing engineering services, since 1937, to municipal and other governmental entities throughout Missouri and Illinois. If selected, as you will see in the enclosed materials, the *Missouri's Local Program (LPA)* would have a firm that has extensive experience in construction observation and inspection, which will help us make any On-Call project, successful, on time and on budget.

Hurst-Rosche Engineers has six (6) offices, two (2) in Missouri - Arnold and Neosho and four (4) in Illinois - Hillsboro, Springfield, East St. Louis and Marion. ***All On-Call projects will be managed, designed and completed in our Arnold office.***

General Experience of Firm

Hurst-Rosche Engineers has an established Construction Administration Department to provide specialized experience and uniformity during the construction phase of the subject project. One of the most important phases of a project is construction - the Contractor must understand the design and the contract requirements and then meet the owner's expectations. Once bids have been awarded, the project construction administrator for *Hurst-Rosche Engineers* becomes responsible for communications between the design team and the contractor. A construction observer inspects the work to determine conformance with the project drawing and specifications. Primary tasks are:

- Pre-construction meeting
- Review & respond to contractor's submittals and inquiries
- Quality control/observation of the work
- Pay meetings, pay requests and payment processing
- Review certified payrolls
- Review shop drawings
- Change order processing
- Monitor construction schedules
- Performance testing, start-up and training
- Preliminary inspection & substantial completion
- Final inspection and acceptance
- Final payment processing
- Acquire operation and maintenance manuals
- Acquire final product information
- Acquire final lien waivers
- Acquire guarantee and warrantee information
- Acquire final project affidavits
- Record drawing

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Springfield, Illinois
Marion, Illinois

Hurst-Rosche Engineers has an experienced staff specializing in construction administration and observation. Many of our construction technicians and field engineers are ACI certified, nuclear density testing certified, OSHA safety trained and MoDOT certified for materials testing. Our construction technicians (observers) have access to professional engineers, all within our multi-discipline firm, thereby affording us the unique ability to address technical issues related to most construction issues, quickly and accurately.

Past Performance

The following is a listing of recent projects with similarity to the request for On-Call Professional Services - Work Category Description: Construction Inspection.

Hawthorne and School Street Storm Water and Roadway Improvements, Desloge, Missouri This project was 1,350 lineal feet of road improvements including design of Full Depth Reclamation (FDR) of the existing asphalt pavement, asphalt overlay, and curb and gutter and the design of new storm water infrastructure, including box culvert extension, inlets, yard drains, and approximately 2,500 linear feet of storm sewers. **Hurst-Rosche** provided design and full-time construction observation services.

Parkside Elementary School Connector, Desloge, Missouri This project was a 3,400 lineal foot, 8-foot wide concrete sidewalk for hiking and biking - MoDOT Surface Transportation Program (STP) LPA Project. **Hurst-Rosche** provided design and full time construction observation services.

P.W.S.D. No. 12 of Jefferson County, Highway TT Watermain Relocates at Danby Road, MoDOT J6S2086 - Highway TT Culvert Replacement, Festus, Missouri This project involved 8-inch SDR-21 PVC watermain relocates at Station 405+69 and Station 409+39 along Highway TT at Danby Road. All work was coordinated with MoDOT contractor so to make sure the proposed watermain relocation work did not conflict with MoDOT culvert replacement improvements and final grading. **Hurst-Rosche** provided design and full-time construction observation services.

East St. Louis State Street to IL Route 157, IDOT District 8 This project included storm sewer construction, sidewalk, concrete curb and gutter, pavement removal and replacement, traffic signal installation, and striping. Services also included were material testing and certifications, punch lists, and final documentation review and paperwork completion. **Hurst-Rosche** provided design and full-time construction observation services.

Church Street, City of Centerville, Illinois This project was a 6,800 lineal feet, Local - Pavement Rehabilitation, including milling 1-1/2" of asphalt pavement and 1-1/2" asphalt top course replacement, adjusted cross-slope of pavement using asphalt wedge course, yard slope adjacent to and contiguous with new concrete sidewalks, replacement of curb inlets and added ADA access curb ramps. **Hurst-Rosche** provided design and full-time construction observation services.

9th Street, City of East St. Louis, Illinois This project was a 5,000 lineal foot, Local - Pavement Rehabilitation, including milling 2" of asphalt pavement and 2" asphalt top course replacement, removal and replacement of deteriorated sidewalk and curb and gutter, replacement of curb inlets and new ADA access curb ramps. **Hurst-Rosche** provided design and full-time construction observation services.

Qualifications of Personnel

Our design team personnel are local and experienced in the construction observation and inspection of roadways, bridges, hiking / biking trails and sidewalk improvement projects and in assisting Local Agencies with these type of projects utilizing federal transportation funding and local funding. A brief background of the team members selected for the On-Call Professional Services - Work Category Description: Construction Inspections have been listed hereto, showing each individual's experience and qualifications.

Jim Siefert, PE Jim has 22 years experience as Construction Administrator dealing with every aspect of construction, from the initial site work to the final touches of the building. Jim has spent the past 22 years developing this needed communication between owners and contractors. Jim brings this experience in construction to work with the firm's designers on the constructability of the project. His vast experience and excellent communication skills will be an asset to your project.

Jim Weiser, ET Jim has over 25 years experience in construction observation. He will provide construction inspection services which includes soils and materials testing. He will ensure that all contractors meet all aspects of plans and specifications. Jim will work closely with clients to meet their needs in construction.

Mike Emken, PE Mike has over 15 years experience in environmental / geotechnical engineering. He has performed road design calculations, conducted quality take-offs and been involved with roadway sub grade issues for transportation projects. In addition, Mike has participated in projects involving remediation of soil contaminated with chemical warfare agents, analyzing site conditions for foundations, and performing environmental assessments.

Familiarity / Capability

Hurst-Rosche Engineers has the experience and personnel to assist the **Missouri's Local Program (LPA)** in its endeavor to improve roadway improvements. Our staff personnel have been involved with numerous projects financed with local funds, combined with federal and / or state funds. Some of these projects have included Community Development Block Grant, United States Department of Agriculture - Rural Development and Missouri Department of Natural Resources funding for municipalities to improve their local facilities.

Hurst-Rosche Engineers is experienced in meeting the design and construction requirements of the Missouri Department of Transportation and have adopted the US Department of Transportation's - Federal Highway Administrations, Best Practice Policy within their respective Local Public Agency Manuals. This has increased program efficiency and increased customer satisfaction in highway programs, Surface Transportation Program (STP) within urban areas, Congestion Mitigation and Air Quality (CMAQ) and Safe Routes to Schools.

Hurst-Rosche Engineers offers **Missouri's Local Program (LPA)** experienced transportation engineers, civil engineers and engineering technicians who have designed Interstate, State Highway, County Highway and Local Road bridges. We believe that our assigned team members noted herein has the experience, capability and capacity to provide the requested scope of professional services in a timely and cost effective manner, consistent with the project budget and goals of the **Missouri's Local Program (LPA)**.

Accessibility

At **Hurst-Rosche Engineers**, we are proud of the ability to produce our projects on schedule, imaginatively, accurately, and reflecting "state of the art" design, within budget and regarding capital cost vs. operational cost and energy management. Our professional staff is always available to ensure that each client receives individual attention and guidance throughout the course of the project, and are ready to answer any questions or provide recommendations upon client request.

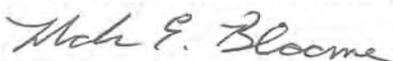
We are very proud of our accomplishments and work hard to maintain not only our reputation, but also the trust of our clients. Our past and current duties have provided our staff members with experience in dealing with the public. **Hurst-Rosche** is available and prepared to start immediately on this project. We will meet the project schedule and make submittals in advance of the predetermined dates to the extent possible. This is not only our corporate goal, but a commitment from our staff.

The **Missouri's Local Program (LPA)** would receive considerable value if our team is selected. Our experience and our proximity would allow us to be very cost competitive. The **Missouri's Local Program (LPA)** would receive experienced guidance in the optimal selection of the materials of construction and construction techniques for the On-Call project. The **Missouri's Local Program (LPA)** would receive reliable value added services so we can look forward to a long working relationship.

We appreciate your consideration of our professional qualifications and look forward to the opportunity of serving the **Missouri's Local Program (LPA)**. If you have any questions or require additional information, please contact us.

Sincerely,

HURST-ROSCHE ENGINEERS, INC.



Mark E. Bloome, PE

MEB:vsh



Hurst-Rosche Engineers, Inc. is a diversified architectural, engineering and construction management firm engaged in a broad range of professional services, including architectural design; civil, environmental, electrical, mechanical and structural engineering; land surveying; soils investigation and construction engineering.

Hurst-Rosche Engineers, Inc. was founded in 1937 and, for over 75 years, the principal goal has been to bring efficient architectural and engineering methods together with experienced personnel to develop each project.

The main office of Hurst-Rosche Engineers, Inc. is located in Hillsboro, Illinois. Branch offices, fully staffed, are located in Arnold and Neosho, Missouri; East St. Louis, Marion and Springfield, Illinois.

As a 68+ member firm, Hurst-Rosche's integrated team of registered professional and structural engineers, architects, and technicians of several disciplines can address all project phases from initial planning and feasibility studies through design and construction. Value engineering, learned expertise, and common sense are combined to provide and analyze various design and construction alternatives. This staff has the expertise and capability to handle the design of practically all projects completely in-house.



Hurst-Rosche Engineers, Inc. is committed to sustainable design, especially for the public building sector, where the majority of our work lies. We have accredited LEED AP staff, and have implemented a plan for continued employee education in the field. Hurst-Rosche is a USGBC member and is continuing to support their efforts by participating in forums, critiquing policy before distribution, and assisting other agencies in formulating policy.

Green buildings and green design seems like it is just really getting traction and the name has already changed. The new catch phrase is "sustainable design." Sustainable design is actually a much more encompassing term than the well-known term, "Green."

Sustainable design is an integrated, synergistic approach, in which all phases of the facility lifecycle are considered. Hurst-Rosche found after initially researching LEED design that we practiced sustainable design for years as a course of good business practice. The focus is on reducing the impact of the building process on the environment, and it can be practiced without the need for third party verification or the assigning of points. It does not require limited product sources from certified chains of custody, or paper trails of additional documentation. However, many clients now desire the certification and recognition that can come with it.



Firm Profile / Quick Reference



A vibrant spirit and a diversity of personalities and resources characterize Hurst-Rosche Engineers. A comprehensive range of in-house services is available to meet the client's project. On select projects, we work with specialty consultants to provide complete expert design services.

Firm

Hurst-Rosche Engineers, Inc.

Established 1937

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Principals

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David D. Pool, AIA, RLA

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Services

Architecture, Civil, Environmental Engineering, Construction Administration, Geotechnical Engineering, Feasibility Studies, Electrical Engineering, Fire Protection, HVAC, Mechanical Engineering, Municipal Engineering, Structural Engineering, Surveying, Transportation, Materials Testing and Building Commissioning

Client Markets

Academic, Corporate, Government, Industrial and Healthcare

Staffing

Discipline	Staff	Registered
Architecture	9	6
MEP Engineering	8	2
Structural Engineering	5	2
Interior Design	1	
Landscape Architect/Planning	2	1
Civil Engineering	5	3
Construction Administration	6	1
Support Staff	15	
Municipal Engineering	6	4
Surveying	8	5
Geotechnical Engineering	4	2
Environmental Engineering	1	1

Hurst-Rosche Engineers, Inc.

Public Infrastructure Services

TRANSPORTATION

- State and Federal Highways
- Local Roads
- Bridges & Structures
- Public Transportation
- MFT / TBP / HBP/ STR



SURVEYING

- Land Surveying
- Topographical Survey
- Geodetic Survey
- Construction



HYDROLOGY / HYDRAULICS

- Bridge / Culvert Hydraulic Design
- Roadway Hydraulic Design
- Dam Hydraulic Design
- Detention Design
- Drainage Studies



CONSTRUCTION PHASE SERVICES

- Complete Phase 3 Services
- Nuclear Density Testing
- Concrete Sampling & Testing



STRUCTURAL ENGINEERING

- Bridge Design
- Bridge Inspections
- Bridge Repairs / Strengthening
- Culvert Design
- Welding Inspection



GEOTECHNICAL SERVICES

- Soil Borings
- Soil Sampling
- Hand Augering
- Laboratory & Material Testing
- Pavement Designs

ARCHITECTURAL SERVICES

- Roofing Replacements
- Salt Dome Design
- Maintenance Facility Design
- Streetscape Design



MISCELLANEOUS SERVICES

- Asbestos Sampling / Design
- R.O.W. Services
- Phase 1 Environmental
- Preliminary Engineering Site Assessments
- Site Analysis / Design
- ICC and RR Coordination
- Utility Coordination
- Public Involvement / Outreach

Quality Assurance / Quality Control

“An ounce of prevention is worth a pound of cure.”

Benjamin Franklin



A formalized Quality Assurance/Quality Control (QA/QC) Program tailored specifically to each project is common practice at Hurst Rosche. We believe Quality Assurance is not a single act, but *a process aimed at preventing problems rather than fixing them*. It includes a fair and well-defined scope of work that sets out the project’s requirements. Continued employee development, technically and administratively, is also a bi-product of the QA/QC Program.

The process starts at the proposal stage where a team is identified and a scope of work is developed. After HR has been selected, the process continues through negotiation of the scope of work, man-hours, and fees. As a result of those negotiations and detailed scope of work, a technically qualified team is committed to the project.

HR’s internal project orientation meeting is the next step, which includes any sub-consultants, and others who may provide valuable input on project goals. Requirements for all team members are determined at this meeting. Commitments are made at this point to both understand and meet the project requirements and potential problems, both technical and scheduling.

Quality Assurance continues with progress meetings that essentially includes status reports of commitments of various individuals from both HR and the client made to the project. These meetings include review of schedule, budget, amount expended, percent complete and scope of work. If changes are required, a plan is developed to address these changes. This may include a change in scope, assignment of additional personnel if the project’s schedule is beginning to lag or if a time commitment is not being met.

Independent review of documents at critical milestones is another important element of Quality Assurance. These reviews comprise the Quality Control portion of the Quality Assurance process. For design projects, this includes review of program analysis, drawings, calculations and specifications. This is accomplished by qualified senior technical personnel who are independent of the actual design process. The reviewers, along with their review schedules, are identified and committed to the project at the time of the orientation meeting. This review evaluates design concepts, constructability, and compliance with major design elements.