



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: Trails & Sidewalks**

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: Trails & Sidewalks.

Hurst-Rosche Engineers 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 trails and sidewalks design, 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 been in business for over seventy-five (75) years and has been involved in the design of trail and sidewalk projects since its inception. *Hurst-Rosche Engineers* has experience in the design and construction of Federal, State and Local Funded municipal projects, including sidewalks, pedestrian trails and hiking / biking trails and accompanying infrastructure for municipalities, via federal, state and local funding. We have the "manpower" and expertise available to complete the requested professional services in a timely and cost effective manner, consistent with *Missouri's Local Program (LPA)*'s expectations of superior quality product. Our ability to satisfy our DOT/County Highway Department clients' budgets and completion timeframes are exemplified by our long standing working relationship with said clients.

Hurst-Rosche Engineers is experienced in meeting the design and construction requirements of the Missouri Department of Transportation and Local Public Agency Manual. *Hurst-Rosche* has experience with Surface Transportation Program (STP), Safe Routes to Schools (SRTS), Congestion Mitigation and Air Quality (CMAQ), and Transportation Enhancements (TE) funding programs.

Hurst-Rosche's, Arnold Office has three (3) professional engineers and one (1) senior engineering technician and one (1) architect on staff who have been involved in the design and construction of Local Public Agency (LPA) Manual Projects. We have staff architects and engineers who are experienced with the requirements of the Americans with Disability Act. Our civil engineers are all experienced in the design of concrete and asphalt pavements and trails and sidewalks, with one of the selected team members having extensive trail / sidewalk experience.

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Neosho, Missouri
Hillsboro, Illinois East
St. Louis, Illinois
Springfield, Illinois
Marion, Illinois

Past Performance

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

Walnut Trail, Phase I, City of Desloge, Missouri This project is a 2,650 lineal foot, 8-foot wide concrete sidewalk for hiking and biking with ADA access and compliance. Prepared application for funding. Hurst-Rosche will provide the design and construction observation services.

River Park Drive Enhancement, City of East St. Louis, Illinois The enhancement of approximately 0.7 miles of River Park Drive within the City of East St. Louis was recently completed. Due to River Park Drive's proximity to the Casino Queen, replacement of the existing sidewalks and curb and gutter was performed to provide ADA compliant pedestrian access to the riverfront as well as an improved pedestrian route to downtown St. Louis across the Eads Bridge. Historic lighting, designed to complement the current fixtures on the Eads Bridge, were also installed as part of the enhancements project.

Safe Routes to School (SRTS), Various Street Locations, Cape Girardeau, Missouri This project is a 7,000 lineal foot, 5-foot wide, ADA compliance concrete sidewalk, Safe Routes to School (SRTS) Project. Engineering services involved the planning and designing of sidewalk improvements in the vicinity of several elementary and middle schools, which included performing topographic survey, preparing environmental applications, designing replacement of some existing storm structures, driveways, and retaining walls.

Downtown Revitalization, Neosho, Missouri This project included the removal of sidewalk and pavement to provide for a green strip adjacent to and parallel with the exterior downtown square sidewalk. Creation of green space includes sidewalk replacement, ADA curb cuts, concrete entrances, street brick pavers, irrigation lines, planters, bubbler fountains, trees/shrubs, and traffic control signage. Concurrently, Hurst-Rosche Engineers designed a project to provide eight parking lots that incorporated a bio-retention green area for storm water management. Also included were landscaped islands, sidewalk replacement, and period light fixtures, all of which enhanced the streetscape of the community.

Parkside Elementary School Connector Trail, City of Desloge, Missouri This project consists of a 3,400 lineal foot concrete hiking / biking trail, which originates at Parkside Elementary School and extends through the City Park to Brim Street. The project includes earthwork, minimal stormwater infrastructure, concrete (trail) pavement, and restoration of disturbed landscape. Project construction documents were completed and submitted to MoDOT for their review, comment and approval. All facets of this project were performed in compliance with the MoDOT Local Public Agency Manual, including ADA sidewalk improvements.

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.

Qualifications of Personnel

Our design team personnel are local and experienced in the design and construction of 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: Trails & Sidewalks have been listed hereto, showing each individual's experience and qualifications.

Mark Reitz, PE Mark has 24 years of transportation experience, which includes highway engineering, evaluation of existing pavement conditions as determined by geotechnical data, coordination of rehabilitation strategies and prioritizing treatment options within a comprehensive roadway maintenance program, drainage designs, stormwater management, wetland management, hiking / biking pathways, permitting, right-of-way and geometrics. His well rounded career, including roadway and transportation engineering with various state departments of transportation and local authorities, provides a unique combination of skills to serve the needs of the ***Missouri's Local Program (LPA)***.

Kevin Wolff, PE Kevin has over 14 year experience in civil engineering design working on projects including street design, pavement reconstruction, design of asphalt and concrete pavement and storm drainage systems, sidewalks and utility relocations.

Zac York, PE Zac has over 13 years of experience in civil engineering design and field surveying. He has experience in site development / earthwork analysis, stormwater management planning and design, pavement designs, hydraulic modeling, highway / railroad utility crossings, water system controls, cost estimating, contract document development, easement preparation and field surveys.

David Pool, AIA, RLA David has over 23 years of experience in architectural landscape. He has experience in overseeing all aspects of the developed streetscape including hard and soft features, plant selection for low or no maintenance design and integration and coordination with the site and civil engineers on site aspects. His planning background includes urban planning, downtown redevelopment, and landscaping.

Familiarity / Capability

Hurst-Rosche's integrated team of multiple disciplines can address all project phases from preliminary planning and feasibility studies through design and construction phases of the project. Value engineering, learned expertise and common sense are combined to provide and analyze various design and construction alternatives. Our staff has the expertise and capability to handle the design of any project in house, including design and construction of hiking / biking trails, sidewalks, streets, sidewalks associated stormwater improvements and municipal stormwater retention / detention basins, in accordance with applicable Federal Highway Administration (FHWA), Missouri Department of Transportation (MoDOT), Missouri Department of Natural Resources (MDNR), and US Army Corps of Engineers (USACOE) guidelines and regulations. Our staff has the expertise and capability to handle the design of any project in house, including design and construction of trails and sidewalks projects.

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.

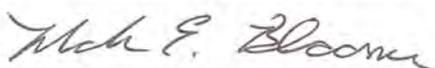
We are very proud of our accomplishments and work hard to maintain not only our reputation, but also the trust of our clients. Our past and current duties have provided our staff members with experience in dealing with the public. **Hurst-Rosche Engineers** is available and prepared to start immediately 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-ROSCHÉ 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

Contact Information

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Principals

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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

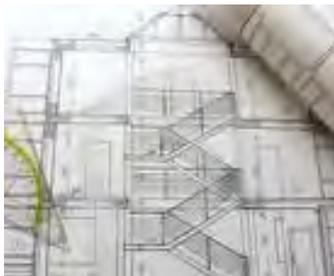
- Asbestos Sampling / Design
- R.O.W. Services
- Phase 1 Environmental
- Preliminary Engineering Site Assessments
- Site Analysis / Design
- ICC and RR Coordination
- Utility Coordination
- Public Involvement / Outreach



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.