



**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:

Hurst-Rosche, Inc.

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Firm Contact Name:

Jeremy Connor, PE, President

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Contact Email  
Address:

jconnor@hurst-rosche.com

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Firm's Mailing Address:

3675 W. Outer Road, Suite 205

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Arnold, Missouri 63010

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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**



Hurst-Rosche, Inc.

Jeremy Connor, PE  
President

December 12, 2025

Missouri's Local Program (LPA)  
MoDOT Central Office  
Ms. Ashley Buechter, PE  
Local Program Administrator

Re: Work Category - Traffic Engineering & TEAP

Dear Ms. Buechter:

Hurst-Rosche, Inc. is a full-service architectural/engineering firm, providing professional 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 vast experience in traffic engineering and TEAP design services including: signalization, signing, lighting, pavement markings, corridor safety and/or operational analysis, intersection(s) safety and/or operational analysis, speed limit review, sign inventory, pedestrian/bike route analysis, parking issues, and other traffic studies to help make a successful project on time and on budget.

#### GENERAL EXPERIENCE OF FIRM

Our firm has 88 years of experience in traffic engineering design and construction of a variety of projects, with a construction inspection and testing department that serves our clientele. Hurst-Rosche has experience in the design and construction phase of Federal, State and Local Funded municipal projects, including traffic engineering, sidewalks, retaining walls, streets, traffic signals and controls, sanitary, stormwater, pedestrian bridges and trails, potable water infrastructure, creek bank stabilization projects, etc. Hurst-Rosche has completed traffic engineering improvements projects in the past that have included the following services: NEPA reports, historic preservation clearance, surveying, ROW plans and documents, geotechnical reports, preliminary design, traffic analysis, final PSE, construction administration, cost estimates, utility coordination permitting, public meetings, etc.

#### PAST PERFORMANCE

Hurst-Rosche's assembled team is experienced in the traffic counts planning, routing, intersection design, preparation of right-of-way documents, easements, cost estimates, and preliminary and final plans and specifications for all types of traffic improvement projects. Our team members have been involved in the design and construction of interstate highways; traffic engineering, arterial, collector and local roadways; sidewalks, retaining walls, bike paths, stormwater improvements, culverts, and bridges.

For some projects, we have provided right-of-way surveys and drawings, easement exhibits, property transfer documents, utility relocation documentation and designs, property descriptions, etc. Due to our extensive and continued involvement with federal, state, and local funded road projects, we are experienced in the design and preparation of construction documents, including traffic engineering: traffic impact studies, signal timing, traffic counts, traffic signal design, intersection improvements design, traffic simulation support, etc. The use of our in-house traffic cameras and software allows for intersections to be counted safely and more efficiently. HCS and Synchro Software is primarily used for our analysis of traffic data and design of intersections.

The following is a list of recent traffic signal design projects; we have provided traffic engineering services:

#### ***IDOT, District 8 - PTB 203-044 - Intersection Safety Evaluations***

Hurst-Rosche was selected to perform a safety evaluation of 12 intersections in District 8 that experience high volumes of turning crashes. The scope included a "high level" safety and geometric review at each of these intersections. This consisted of a review of crash data at each location, existing and proposed capacity analyses at each intersection, turn lane warrants at each intersection, basic sketches of existing

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conditions and proposed improvements, cost estimates, application of Crash Modification Factors (CMF), and determination of B/C ratios utilizing the B/C Tool. A report of findings and recommendations was submitted to the district.

***IDOT, FAP 708 (US 51 BUS) 3P Overlay & ADA Improvements - Clinton, DeWitt County, IL***

Project consists of engineering services to prepare a Project Development Report for the proposed improvement of US 51BUS from US 51 bypass (N) to US bypass (S). Project includes a 3P Policy resurfacing, ADA curb ramp improvements, minor signal improvements. The scope also includes data collection, minor geometric studies, an access management study, traffic signals report/study, preparation of exhibits for public involvement, cost estimates, a traffic management analysis, transportation management plan, crash analysis, and other related work items.

***IDOT, District 8 - FAP 2 IL 3 and 20<sup>th</sup> St. Intersection Improvements and ADA - Granite City, Madison County, IL***

This project consisted of engineering services for the preparation of contract plans, specifications, and estimates for the reconstruction at IL 3 and 20<sup>th</sup> St. in Granite City, IL. Project includes reconstruction 1200' to the south of the intersection and 900' to the north. The contract plans included intersection plan, pavement and median elevation layout plan, ADA plan/details, and pavement marking plan, transportation management plan and pavement design. The project included pavement design with life cycle costs that were evaluated between asphalt and concrete. A concrete section was chosen for the design.

***IDOT, District 4, PTB 206/030 - Phase I/II - IL 41 (FAP 574) 3R - Avon, Fulton County, IL***

This project will include preparation of a project report for the proposed improvement of IL 31 from Sta. 122+70 to Sta. 161+00 in the City of Avon, IL. Phase I will include a drainage study that will analyze the existing undersized system considering the effects of roadway improvements to identify inadequacies with the existing drainage system and to recommend improvements. Work may also include data collection, development of alternatives, geometric studies, cost estimates, a transportation management plan, ADA/PROWAG compliant curb ramps and sidewalk improvements, curb and gutter replacement, driveway replacement, crash analysis, quantity computations and other related work items required to produce a Project Report.

***IDOT, District 5 - PTB 198/021 - Phase I - FAP 708 (US 51 BUS) - Clinton, DeWitt County, IL***

Provided Phase I Engineering Services to prepare a Project Development Report for the proposed improvement of US 51BUS from US 51 bypass (N) to US bypass (S). Project includes a 3P Policy resurfacing, ADA curb ramp improvements, minor signal improvements. The scope also includes data collection, minor geometric studies, an access management study, traffic signals report/study, preparation of exhibits for public involvement, cost estimates, a traffic management analysis, transportation management plan, crash analysis, and other related work items.

***Comprehensive Interstate Rest Area Study, Central Bureau of Operations***

The study evaluated the existing system with regards to services provided, age of the system, spacing, consolidation, fatigue related crashes, rest area user survey, traffic collection and truck parking utilization. The Rest Area Study examined public private partnerships, established in-depth costs, identified needs, identified potential strategies, and provided guidelines for future construction. The report identified truck parking expansion possibilities and examined truck parking technologies available. The study also established criteria and implementation strategy for the system.

**QUALIFICATIONS OF PERSONNEL**

Hurst-Rosche is a full-service Architectural /Engineering (A/E) firm, offering the Missouri's Local Program (LPA), a staff of professional engineers (civil, electrical, environmental, geotechnical, mechanical, and structural), registered architects, landscape architects and land surveyors. The firm's support staff includes engineering and surveying technicians, computer technicians trained in Microstation / AutoCAD / Revit Architecture, certified construction inspectors, accountants, and clerical staff.

We believe that our staff, with assigned key personnel noted herein, has the experience, capability, and capacity to provide the requested scope of services in a timely and cost-effective manner, consistent with the project budget and goals of the program. The backgrounds of the team members selected for the Traffic Engineering & TEAP Services have been included herein, showing experience and qualifications with similarity to the proposed scope of work.

***Jeremy Connor, PE, Transportation Engineer*** Mr. Connor has over 24 years of transportation experience in various areas of emphasis, including complex geometric design, traffic capacity, analysis, accident analysis, erosion control plans, drainage analysis and technical report preparation. roadway design, project development reports, traffic studies, geometric design, intersection design, pavement design, ADA (PROWAG) compliant curb ramp design, traffic signal design, erosion control design and safety analyses. He has been a project manager for various projects for the Illinois Department of Transportation, Illinois Tollway, and Local Agencies.

**Samantha Soto, PE, Civil Engineer** Ms. Soto has over 21 years of consulting engineering experience throughout Missouri and Illinois. She has various experiences with maintenance of traffic plans, pavement marking, and signing plans including sign panel design for Interstate guide signs, traffic signal plans, landscaping, and streetscape plans. Her experience also includes site layout and design, stormwater analysis for drainage reports and design, construction observation for roadway projects, and roadway design for reconstruction projects.

**Justin Goodwin, PE, Civil Engineer** Mr. Goodwin has over 28 years of transportation experience. His background includes the planning, analysis, and design of a wide range of roadway and intersection improvements, with specialized expertise in traffic operations and safety. Mr. Goodwin has led traffic impact studies, corridor studies, and multi-modal evaluations, and data-driven recommendations to improve mobility and reduce congestion.

**Zachariah York, PE, PLS, Civil Engineer** Mr. York is Branch Manager in our Arnold office and has over 25 years' experience in infrastructure design for municipalities and public entities includes potable water systems, sanitary sewer networks, street improvements, storm sewer infrastructure, storm water management, site/grading improvements, preparation of preliminary/final plans and specifications, bid documents and opinions of probable construction cost, USACOE and DNR construction permits, DOT and railroad utility crossing permits. Mr. York is experienced in the coordination and relocation of public / private utilities and associated construction permit applications and approvals from governing review and utility agencies.

**Peter Murphy, PE, Electrical Engineer** Mr. Murphy has over 25 years of experience in electrical engineering. His experience is such that he can maintain a global view of projects while attending to the smallest details during design. He has designed a wide variety of electrical systems including traffic signals, lighting and general lighting related to roadway design.

#### **FAMILIARITY / CAPABILITY**

We are 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.

#### **ACCESSIBILITY**

Hurst-Rosche proposes to provide the services requested in our Arnold office. Our Arnold office is located on the west frontage road of Interstate 55, at 3675 W. Outer Road, Suite 205, Arnold, Missouri. It is our privilege to submit this response to your Letter of Interest and Company Brochure. We appreciate your consideration of our professional qualifications and look forward to the opportunity of serving Missouri's Local Program, (LPA). If you have any questions or require additional information, please contact our office.

We anxiously look forward to the opportunity to discuss further the ways we have found to provide high quality service in a way that is practical and friendly.

Sincerely,

HURST-ROSCHE, INC.



Jeremy Connor, PE  
President

JJC:vsh

**ABOUT US:** Founded in 1937, Hurst-Rosche, Inc. is a full-service architecture and engineering firm providing planning, design, surveying, and construction management services to federal, state, municipal, and private clients. With over 88 years of experience and multiple regional offices, our team delivers comprehensive solutions from concept through completion with an emphasis on quality, integrity, and value.

## RESOURCES, RESPONSIVENESS, RELIABILITY

### DIFFERENTIATORS

Extensive In-House Services  
Single Firm-Multiple Location Model

### FEDERAL CERTIFICATIONS

Small Business - Self Certified  
SBA HUBZone Certified

### UEI

Arnold, MO - LZZBWKJ1NT77  
East St. Louis, IL - QTXAMSF5QLZ3  
Hillsboro, IL - CL37UFUHCWU5  
Marion, IL - FM15VSSHWBZ5  
Nashville, TN - H8S8W82A8LH3

### CAGE 3XML5

### NAIC CODES

541330 - Engineering Services (Civil, Structural, Electrical, Geotechnical)  
541340 - Drafting Services  
541370 - Surveying and Mapping (Except Geophysical) Services  
541620 - Environmental Consulting Services  
237 - Heavy and Civil Engineering Construction

### CORE COMPETENCES

#### STRUCTURES



#### ROADWAY



#### SURVEYING



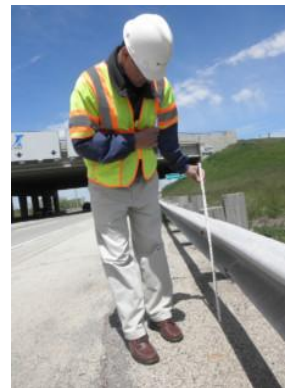
#### TRAFFIC



#### TRAILS and SIDEWALKS



#### CONSTRUCTION



## **IDOT - District 8**

**PTB 203/044**

### **Various Reviews for Permit Projects**

These tasks include engineering services required for the preparation, issuance, and construction inspection of various permits for all non-utility work in District Eight. These permits may include access permits, oversize and overweight permits, traffic control permits, parade/event permits, landscaping permits, license plate reader permits, and other miscellaneous permits. Researching microfilm for archived plans and right-of-way, review of utility permits, construction plans, and other work as directed by the department. Hurst-Rosche may also be required to develop and/or review documents such as traffic studies, intersection design studies, drainage studies, and prepare construction plans as part of the permit process or other department-led processes.

## **IDOT - District 4**

**PTB 206/030**

### **IL 9/FAP 685, McDonough County, IL**

### **I-155/FAI 155, Tazewell County, IL**

Project consists of Phase II engineering services for the preparation plans, specifications, and estimates (PS&E) for a total of 8 structures across 2 counties.

## **IDOT - District 5**

**PTB 198/021**

### **FAP 708 (US 51 BUS), Clinton, DeWitt County, IL**

This project consists of Phase I of a drainage study that looks at the effects of roadway improvements to determine if the existing drainage is adequate; subsurface utility engineering; geometrics studies; access management study; traffic signals report; traffic engineering study; preparing for exhibits for public involvement and a project report. This work may include data collection, development of alignment alternatives, cost estimates, traffic management analysis, traffic management plan, accident analysis, quantity computation, and other related work items required to produce a project report.

## **IDOT - District 6**

**PTB 212/031**

### **Construction Inspections**

These tasks include Phase III construction inspections assisting the Resident Engineer in the construction inspection, supervision, engineering layout, on-site inspection, maintenance of records and documentation, on-site material testing, and/or quality assurance testing for various projects throughout District 6.

## **OFFICE LOCATIONS**

Arnold, MO  
East St. Louis, IL  
Hillsboro, IL  
Marion, IL  
Springfield, IL  
Nashville, TN

## **QUALIFIED CATEGORIES**

**Highways** - Freeway, Road, Streets  
**Structures** - Highway; Simple and Typical  
**Special Studies** - Feasibility, Safety, Traffic Studies, Location Drainage  
**Special Plans** - Traffic Signals  
**Location Design Studies** - Rehabilitation/ Major/Rehabilitation, New Construction/Major Construction  
**Hydraulic Reports** - Pump Stations, Waterways; Typical, Waterways: Complex  
**Geotechnical Services** - Subsurface Explorations, General Geotechnical Services, Structure Geotechnical Reports (SGR)  
**Special Services** - Surveying, Sanitary, Construction Inspection  
**Bridge Inspection**

## **STATE PRE-QUALIFICATIONS**

### **Department of Transportation**

Missouri, Illinois, Tennessee (Unlimited)

### **State of Missouri, Office of Administration**

Architecture, MEP, Structural, and Civil Engineering

## **KEY CLIENTS**



## **POINT OF CONTACT**

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