



**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:

Engineering Design Source, Inc.

Firm Contact Name:

Robyn DeNorscia

Contact Email  
Address:

rd@engdesignsource.com

Firm's Mailing Address:

16305 Swingley Ridge Road, Suite 5009

Chesterfield, MO 63017

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**

December 11, 2025

Sent electronically to LPAoncall@modot.mo.gov

Dear Selection Committee:

 Engineering Design Source, Inc. (EDSI) is pleased to submit this Letter of Interest for the **2026-2029 LPA Construction Inspection On-Call**.

### PREQUALIFICATION AND WORKFORCE DIVERSITY

EDSI is a MoDOT prequalified firm on MoDOT's Approved Consultant Prequalification List. We are minority owned and certified as a DBE/MBE firm. Our diverse workforce has successfully provided project deliverables to MoDOT and other Local Public Agencies for over 30 years. We promote an overall company culture and professional camaraderie that develop and maintain our diverse workforce. EDSI's workforce includes 14% women and 16% minorities.

### GENERAL EXPERIENCE OF FIRM

EDSI has built a reputation for excellence by providing project engineering, design, and survey services that fulfill the expectations of our clients. We take pride in our strong work ethic and our record of successful delivery of cost-effective on-schedule projects. Since our inception in 1995, EDSI has successfully completed more than 2,500 projects in Missouri and Illinois. Our team has extensive experience delivering transportation projects, including roadways, bridges, traffic studies, traffic signals, stormwater, pedestrian and bicycle facilities, and site design, as well as survey services, construction inspection and management. Our dedicated and diverse professionals, detailed quality control plan, and client satisfaction program enable the successful completion of every project we undertake. The sections below highlight our recent projects and key personnel. [Federally funded projects are denoted with an asterisk \(\\*\)](#).

### PAST PERFORMANCE

#### Project

#### Key Personnel

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#### **PRIME - City of University City – Forsyth Boulevard Improvements\***

EDSI provided surveying and engineering services for this project that included sidewalk, ADA, and curb ramp upgrades; road resurfacing; traffic signal upgrades; bicycle facilities pavement markings. EDSI also performed construction inspection, coordinated material testing, and various other documentation activities required by MoDOT's EPG for LPA projects.

Brett Brooks, CI Manager

Vince Heacock, Construction Inspector

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#### **City of Brentwood – Litzsinger Road\***

EDSI, as a subconsultant, performed construction inspection on the reconstruction of the two-lane roadway including curbing, drainage, and sidewalk improvements. The work consisted of 0.8 miles on Litzsinger Road from McKnight Road to Brentwood Boulevard.

Brett Brooks, CI Manager

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#### **City of Frontenac – Conway Road\***

EDSI, as a subconsultant, performed construction inspection on the reconstruction of the concrete curb and guttering system along Conway Road between Spoede Road and Lindbergh Boulevard.

Brett Brooks, CI Manager

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#### **City of Ladue – Litzsinger Road\***

EDSI, as a subconsultant, performed construction inspection on the reconstruction of the two-lane roadway including curbing, drainage, and sidewalk improvements. The work consisted of 2.6 miles on Litzsinger Road from Lindbergh Boulevard to McKnight Road.

Brett Brooks, CI Manager

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#### **PRIME - University of Missouri STL – West Drive Reconstruction**

Pavement reconstruction, sidewalks, ADA and curb ramp upgrades, construction inspection.

Steve Stirnemann, CI Oversight

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## Project

## Key Personnel

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### **PRIME - IDOT PTB 173-033, Work Orders 9/12 - Various CI Projects\***

As a prime consultant, EDSI completed inspections for the replacement of the FAS 824 (CH 42) over I-57 in Jefferson County. Specific Tasks included:

- Verify traffic control placement and maintenance
- QA surveys on pier caps elevations and various critical structural items.
- Inspect and document quantities of subgrade materials.
- Verify placement and quantities of rebar.
- Inspect placement of concrete for piers, caps, columns, and bridge deck.
- Documenting contract quantities.

Brett Brooks, CI Manager

Mat Hummel, Construction Inspector

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### **PRIME - IDOT PTB 173-033, Work Order 5/6/8 - Various CI Projects\***

EDSI completed inspections for the resurfacing of the eastbound and westbound lanes of IL 15 from 14th Street to SN 041-0026 on the east side of Mt. Vernon; the removal and replacement of the median surface, concrete curb and gutter on IL 15 at the I57 interchange on the west side of Mt. Vernon; the removal and replacement the median surface, concrete curb and gutter on IL 142 at the railroad crossing on the southeast side of Mt. Vernon. Specific Tasks included:

- Layout of patching and pavement repairs
- Inspections of curb & gutter replacement, and sidewalk replacement
- Inspect placement of hot-mix asphalt surface, hot-mix asphalt leveling binder
- Verify ADA slopes on curb ramps and sidewalk

Brett Brooks, CI Manager

Mat Hummel, Construction Inspector

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### **PRIME - IDOT PTB 173-033, Work Orders 1-3 – Various CI Projects\***

EDSI was contracted to provide inspection, layout and daily documentation services for various counties in District 9. This project consists of 5 miles of HMA surface removal, HMA binder and surface course, class A & B patching, removal and replacement of guardrails, raised reflective markers, delineators, rumble strips and pavement striping.

Brett Brooks, CI

Mat Hummel, Construction Inspector

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### **PRIME - IDOT PTB 156-052, Work Orders 3/5 Guardrail\***

EDSI completed Phase III engineering services for various projects throughout District 8. Tasks included layout, measurement, inspection and documentation of final quantities for Contract # 76E81 on District 8 ICORS. EDSI inspectors were responsible for inspection and verification of materials to ensure the use of approved sources as per IDOT standards and specifications. The work consisted of repairing or replacing existing damaged steel plate beam guardrail and traffic barrier terminals in various counties.

Brett Brooks, CI Manager

Mat Hummel, Construction Inspector

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### **PRIME - IDOT PTB 156-052, Work Orders 10-12\***

#### **Resurfacing/Patching**

EDSI completed Phase III engineering services for various projects throughout District 8. Tasks included job diary input, daily quantities, authorizations, field books, calculations, inspection, testing, and layout. The work consisted of 1.1 miles of resurfacing, patching, HMA shoulders and gutter removal on IL 3 from Roots Road to Ellis Boulevard in Ellis Grove, and 3.6 miles of resurfacing on IL 4/150 from Locust Street in Steeleville to the Perry County line, all in Randolph County. WO #11 also consisted of bridge repairs to the structure carrying US 50 over Little Silver Creek east of Lebanon, IL.

Brett Brooks, CI Manager

Mat Hummel, Construction Inspector

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## QUALIFICATIONS OF PERSONNEL



**Brett Brooks, PLS | Survey and Construction Inspection Manager**, has 24 years of experience in surveying and construction inspection (CI), and his experience includes construction documentation, LPA construction observation, data collection, GIS mapping, topographic, boundary, and geodetic surveys. Brett has construction inspection project management experience in the areas of layout, measurement, inspection, and documentation of contract quantities, and he has a clear working knowledge of the approved MoDOT standards and specifications. Brett manages the day-to-day aspects of the surveying and CI teams. Key tasks include planning and scheduling of topographic and boundary surveys, reviewing inspection field books and calculations and

documentation of quantities, supervising survey crews and construction inspectors, tracking and maintaining project schedules and budgets and contacting contractors and clients to ensure that the prevailing standards and specifications are being met. Brett has completed a variety of materials testing courses through the MoDOT and IDOT Technician Certification and Documentation Programs. **Brett is LPA certified.**

**Steve Stirnemann, PE, Transportation and Civil Site Group Manager** has over 25 years of experience in the civil engineering field. He has a wide variety of experience in highway/roadway design, hydraulics, and site design. Steve has served as a project engineer, lead engineer, project manager, and construction inspection manager. His experience includes preparation of construction documents, drainage calculations and design, grading plans, pavement markings, signing plans, traffic control, project bidding documents, cost estimates, and conceptual design. Steve served as Project Manager for UMSL's West Drive Reconstruction project where he provided oversight for construction inspection. **Steve is LPA certified.**

**Chuck Quinby, PLS, Senior Inspector**, has over 40 years of experience in surveying and construction. His surveying experience specifically includes performance and supervision of topographic, boundary, right-of-way, route, cadastral, hydraulic, volumetric, aerial photography and control surveys, GPS control surveys, and construction surveying. Chuck has completed a variety of materials testing courses through the MoDOT and IDOT Technician Certification and Documentation Programs.

**Mat Hummel, Construction Inspector**, has 10 years of experience as a Construction Inspector. His areas of expertise include construction inspection, quality assurance surveys, documentation of quantities, manhole/sewer condition assessment, vault inspections, materials testing, and completion of design surveys. He can expertly identify issues in the field and has excellent documentation skills. Additionally, Mat has completed a variety of materials testing courses through the MoDOT and IDOT Technician Certification Programs. **Mat is LPA certified.**

**Vince Heacock, LSIT, Construction Inspector** holds a B.S. in Construction Management and a Specialization in Land Survey. He has experience managing federally funded projects, concentrating towards Construction documentation, inspection, ROW, and Boundary Surveys. His focus has been LPA construction observation and documentation, record research, project organization, and developing CAD deliverables for easement documentation, Location, ROW, and Boundary surveys. He is proficient with GIS applications producing essential data to colleagues to expedite their work and processes. **Vince is LPA certified.**

### FAMILIARITY/CAPABILITY

EDSI has experience in the design of federally-funded projects in Missouri and has successfully delivered these projects in compliance with federal law. Refer to our past performance section for some of our recent federally-funded projects.

### ACCESSIBILITY

Brett and the EDSI team have an established record of responsiveness to our clients. We will identify the appropriate construction inspection professionals for each on-call project, partner with our LPA clients, and be accessible and available throughout the duration of each assigned project.

EDSI appreciates the opportunity to submit this letter of interest for the **2026-2029 LPA Construction Inspection On-Call.**

Sincerely,

A handwritten signature in blue ink, appearing to read 'B. Brooks', written over a light blue horizontal line.

Brett Brooks, PLS | Principal | Survey and Construction Inspection Manager



## SERVICES

### Roadway Planning and Design

- Reconstruction/ADA
- Resurfacing
- Bridge Approaches
- Signing, Pavement Markings
- Intersection Lighting
- Traffic Signals

### Structural Design

- Bridges
- Retaining/Sound Walls
- Culverts
- Foundations

### Pedestrian and Bicycle Facilities

- Sidewalks/ADA
- Trails
- Bike Lanes

### Drainage/Stormwater

- Hydrology and Hydraulics
- HEC-RAS Modeling
- 2D Modeling

### Surveying

- Right-of-Way, Topographic, Hydraulic, LiDAR
- GIS Mapping

### Utility Coordination

### Planning & Conceptual Studies

### Maintenance of Traffic

### Site Design and Development

### Cost Estimating

### Public Involvement

### Permitting

### Construction Services

EDSI, a minority owned and certified DBE/MBE firm, has built a reputation for excellence by providing project engineering, design, and survey services that fulfill the expectations of our clients and the prime consultants with whom we team. We take pride in our strong work ethic and our record of successful delivery of cost-effective on-schedule projects. Since our inception in 1995, EDSI has successfully completed more than 2,500 projects in Missouri and Illinois.

Our team has extensive experience delivering transportation projects, including roadways, bridges, traffic studies, traffic signals, water resources, trails, sidewalks, and site design, as well as construction inspection and management. Our dedicated and diverse professionals, detailed quality control plan, and client satisfaction program enable the successful completion of every project we undertake.

EDSI has provided project deliverables to the following communities and agencies:

- Missouri Department of Transportation
- Illinois Department of Transportation
- Illinois Tollway
- Jefferson County
- St. Charles County
- St. Louis County
- State of Missouri
- Ameren
- Bi-State Development Agency
- East-West Gateway Council of Governments
- Forest Park Forever
- Great Rivers Greenway
- Gateway Arch Park Foundation
- Illinois American Water
- Metropolitan St. Louis Sewer District
- Missouri Botanical Garden
- Missouri American Water
- Parkway School District
- St. Louis Lambert International Airport
- St. Louis Zoo
- Terminal Railroad Association (TRRA)
- The Nature Conservancy
- University of Missouri – St. Louis
- Washington University School of Medicine
- Cervantes Convention Center
- City of Arnold
- City of Brentwood
- City of Chesterfield
- City of Clayton
- City of Columbia
- City of Crestwood
- City of Dardenne Prairie
- City of Des Peres
- City of Eureka
- City of Florissant
- City of Frontenac
- City of Glendale
- City of Green Park
- City of Hazelwood
- City of Kirkwood
- City of Ladue
- City of Lake Saint Louis
- City of Manchester
- City of O’Fallon
- City of Pacific
- City of Richmond Heights
- City of St. Charles
- City of St. Louis
- City of St. Peters
- City of Sunset Hills
- City of University City
- City of Washington
- City of Wentzville
- City of Wildwood

# Our Team



## **George John, PE**

Principal | Founder

George John has over 30 years of responsible experience in several areas of civil engineering including highway and roadway improvement projects, traffic studies and signal design, storm and sanitary sewer projects, environmental impact studies, program management, site and grading plans, and project supervision. George serves as Project Principal and is responsible for providing project management, design consultation, budget and schedule monitoring and quality control reviews.



## **Brett Brooks, PLS**

Principal | Survey and Construction Inspection Group Manager

Brett has 24 years of experience in the surveying and engineering field, and his experience includes data collection, GIS mapping, topographic, boundary, and geodetic surveys. Brett's field staff utilizes the most advanced survey equipment available including LiDAR scanning and UAV (drone) surveying. Brett has managed over 500 projects in the Bi-State area and has gained a reputation for maintaining project schedules and budgets, while delivering high quality services. He keeps open communication with clients to ensure satisfaction with each project. Brett has been repeatedly relied upon to manage the surveys for regionally significant projects. Brett is LPA certified.



## **Steve Stirnemann, PE**

Transportation and Civil Site Group Manager

Steve has over 25 years of experience in highway, roadway, and site design. He has served as senior project manager for many DOT and local agency projects. Steve's experience includes coordinating project goals and deliverables for clients, RES requirements, preparation of construction documents, ADA, drainage calculations and design, grading plans, signing, striping, signals, utility coordination, and traffic control for MoDOT and local agencies. Steve is LPA certified.



## **Jean LaKemper, PE**

Structures and Water Resources Group Manager

Jean has over 35 years of experience in the design, analysis, and rehabilitation of bridges and transportation-related structures. She has served as the project manager, bridge lead, and/or senior bridge engineer for many DOT and local agency projects. Her experience includes project management and structures task management. She has design-build project experience and has also performed in-house quality control reviews and reviews of designs completed by outside consultants. Jean is LPA certified.

# Our Project Experience

## Roadway and Traffic Signal Design

- Route 364 Striping and Signing, MoDOT
- Route N, Franklin County Safety Improvements, MoDOT
- Route 63 over BNSF Bridge Replacement, MoDOT
- Route N Soldier Pile & Lagging Wall and Drainage Improvements, MoDOT
- I-70 at Riverview Retaining Wall Repairs and Guardrail Upgrades, MoDOT
- I-170 at Airport Road Retaining Wall Repairs and Guardrail Upgrades, MoDOT
- 50/61/67 (Lindbergh Boulevard) Roadway and ADA Improvements, MoDOT
- Route 67 (Lindbergh Boulevard) Traffic Signal Design, MoDOT
- Route W (Grundy County) Bridge Replacements, MoDOT
- Route 76 over Table Rock Lake, MoDOT
- Route 79 over Fox Creek Bridge Replacement, MoDOT
- St. Louis District Safety Design-Build, MoDOT
- West Florissant Avenue Resurfacing and ADA Improvements, St. Louis County DOT
- Reavis Barracks and Green Park Bridge Replacement, St. Louis County DOT
- Berry Road and Big Bend Intersection and ADA Improvements, St. Louis County DOT
- Washington Street Resurfacing and ADA, St. Louis County DOT
- Creve Coeur Mill Road Resurfacing and ADA, St. Louis County DOT
- Wydown Boulevard Resurfacing, City of Clayton
- Lindbergh Boulevard Intersection Signage, City of Creve Coeur
- Forsyth Boulevard Resurfacing/Sidewalks, City of University City
- Allenton Road Improvements, City of Eureka
- On-Call Traffic Engineering Services, City of St. Louis

## Bridge/Structural/Hydrology & Hydraulics (MoDOT Projects)

- Route B over Logan Creek Bridge Replacement (*Reynolds County*)
- Route DD over Drainage Ditch No. 23 Bridge Replacement (*Mississippi County*)
- Route I42 over Mill Creek Culvert Replacement (*Ripley County*)
- Route P over Drainage Ditch No. 35 Superstructure Replacement (*Stoddard County*)
- Route T over Turkey Creek Bridge Replacement (*Stoddard County*)
- Route DD over Drainage Ditch No. 1 Bridge Replacement (*Stoddard County*)
- Route O over Moniteau Creek Bridge Rehab (*Cooper County*)
- Route N over Contrary Creek Bridge Replacement (*Osage County*)
- Route H over North Branch Wyaconda River Bridge Replacement (*Scotland County*)
- Route N Soldier Pile & Lagging Wall and Drainage Improvements (*St. Louis County*)
- I-70 at Riverview Retaining Wall Repairs and Guardrail Upgrades (*St. Louis County*)
- I-170 at Airport Road Retaining Wall Repairs and Guardrail Upgrades (*St. Louis County*)
- Route 76 over Table Rock Lake Bridge Rehabilitation (*Stone County*)
- 3 Culvert Bundle - Rehabilitations/Replacement (*Polk County*)
- Route 43 over Turkey Creek Bridge Replacement (*Jasper County*)

## Stormwater

- Route E Joachim Slope Stabilization Study and Design, MoDOT
- Route 47 Missouri River Bridge, MoDOT
- Various Stormwater Designs for Multiple St. Louis County Roadway Projects
- Multiple Deer Creek Storm Sewers, St. Louis County
- Stormwater Designs, MSD





### **ADA, Sidewalks and Trails**

- St. Louis District-Wide ADA Design, MoDOT
- St. Louis District-Wide ADA Inventory, MoDOT
- US 61/67 (Lemay Ferry Road) Roadway and ADA Improvements, MoDOT
- 50/61/67 (Lindbergh Boulevard) Roadway and ADA Improvements, MoDOT
- Route 67 (Lindbergh Boulevard) Traffic Signal Design, MoDOT
- West Florissant Avenue Resurfacing and ADA Improvements, St. Louis County
- Old Jamestown Road Sidewalk Phase III, St. Louis County DOT
- Berry Road and Big Bend Intersection and ADA Improvements, St. Louis County DOT
- Washington Street Resurfacing and ADA, St. Louis County DOT
- Creve Coeur Mill Road Resurfacing and ADA, St. Louis County DOT
- Chesterfield Valley Athletic Complex, City of Chesterfield
- Forsyth Boulevard Resurfacing/Sidewalks, City of University City
- Des Peres Road Sidewalks, City of Des Peres

### **Survey/Right-of-Way and Utility Coordination**

- Route 100 Pavement Resurfacing, ADA, and 5 Bridge Rehabilitations, MoDOT
- Route 366 Pavement Resurfacing, ADA, and Bridge Replacements, MoDOT
- Chester Bridge – Mississippi River & Horse Island Bridge Replacements, MoDOT
- Route 115 Resurfacing, MoDOT
- 2019, 2020, 2022, 2024, 2025 Statewide LiDAR Programs, MoDOT
- Route 125 Intersection Improvements (Green County), MoDOT
- I-70 Corridor Improvements (St. Charles County), MoDOT
- I-70 Eastbound over Missouri River (Blanchette Bridge), MoDOT
- I-70 Corridor Improvements (St. Charles County), MoDOT
- Route 24 Over Mussel Fork River, MoDOT
- Route 47 Missouri River Bridge, MoDOT
- Route 67 (Lindbergh Boulevard) Traffic Signal Design, MoDOT
- Route 180 Improvements, MoDOT
- I-270 over Conway Road, MoDOT
- Route 61 Bridge over Joachim Creek, MoDOT
- Chesterfield Parkway West Improvements, St. Louis County
- Geyer Road Improvements, City of Frontenac
- Phantom Drive Improvements, City of Hazelwood
- North Kirkwood Road Improvements, City of Kirkwood
- Old Highway N, City of Lake Saint Louis
- Route 61 – Highway P Interchange, City of Wentzville

### **Construction Inspection and Management**

- Forsyth Boulevard Resurfacing/Sidewalks, City of University City
- Conway Road Reconstruction, City of Frontenac
- Litzsinger Road, City of Ladue
- Litzsinger Road, City of Brentwood
- IDOT Districts 8 and 9 Various – On-Call



### **Contact**

Brett Brooks, PLS  
Principal and Missouri Lead  
16305 Swingley Ridge Road, Suite 500 Chesterfield, MO 63017  
636-537-5585 x50 | [bb@engdesignsource.com](mailto:bb@engdesignsource.com)