



**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 Roadway Design 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 and References
PRIME - STL County DOT - Berry Road and Big Bend* Traffic Signals/ADA/Intersection Improvements Lane additions, geometrics, sidewalks, ADA, retaining walls, drainage, signing, striping, traffic signals, survey, right-of-way, utility coordination, public involvement, permitting	Steve Stirnemann Project Manager Garth Owens, Brett Brooks Reference: Brian Gettinger, bgettinger@stlouiscountymo.gov
PRIME - STL County DOT - Washington Street* Resurfacing/ADA Roadway, sidewalks, ADA, geometrics, retaining walls, drainage improvements, signing, striping, traffic signals, survey, right-of-way, utility coordination, public involvement, permitting	Steve Stirnemann Project Manager John Hock, Garth Owens, Rima Shrestha, Jeffrey Varughese, Kaley Bowers, Brett Brooks Reference: Jeff Davis, jdavis@stlouiscountymo.gov
PRIME - STL County DOT - Old Jamestown Road Phase III* Sidewalk and Drainage Improvements Sidewalks, ADA, drainage improvements, signing, survey, right-of-way, utility coordination, public involvement, permitting	Steve Stirnemann Project Manager John Hock, Garth Owens, Jeffrey Varughese, Brett Brooks Reference: Charles Thien, cthien@stlouiscountymo.gov
PRIME - STL County DOT - Creve Coeur Mill Road* Traffic Signals/Resurfacing/ADA Roadway, sidewalks, ADA, geometrics, retaining walls, drainage improvements, signing, striping, traffic signals, survey, right-of-way, utility coordination, public involvement, permitting	Steve Stirnemann Project Manager Garth Owens, Jeffrey Varughese, Rima Shrestha, Brett Brooks Reference: Brian Gettinger, bgettinger@stlouiscountymo.gov

Project

Key Personnel and References

PRIME - STL County DOT – West Florissant Avenue – Lucas-Hunt to STL City Limits*

Traffic Signals/Resurfacing/ADA

Roadway, sidewalks, ADA, drainage improvements, signing, striping, ITS/signal design, survey, utility coordination, environmental permitting

Gary Whiteside | Project Manager
Steve Stirnemann, John Hock, Emma Woods-Albers, Kaley Bowers, Mikayla Sockow, Matt Lurkins, Garth Owens, Rima Shrestha, Brett Brooks

Reference: Jeff Davis, jdavis@stlouiscountymo.gov

PRIME - STL County DOT – West Florissant Avenue (A) Resurfacing*

Traffic Signals/Resurfacing/ADA

Roadway, curb ramps, ADA, drainage improvements, signing, striping, signal design, survey, utility coordination, environmental permitting

Steve Stirnemann | Project Manager
John Hock, Jeffrey Varughese, Garth Owens, Rima Shrestha, Brett Brooks

Reference: Jeff Davis, jdavis@stlouiscountymo.gov

PRIME - Jefferson County - East Rock Creek Road*

Roadway Improvements

Environmental documentation, surveys, public involvement, alternative analysis/conceptual study, preliminary plans, traffic control, right-of-way plans, cost estimating, final PS&E.

Steve Stirnemann, PE | Project Manager
Garth Owens, Brett Brooks

Reference: Robert Russell, rrussell@jeffcomo.org

PRIME - City of University City - Forsyth Boulevard*

Traffic Signals/Resurfacing/ADA

Sidewalks, ADA and curb upgrades, milling and overlay, traffic signals, striping, driveway design, utility coordination, bicycle facilities, survey, construction services

Steve Stirnemann | Project Manager
John Hock, Garth Owens

Reference: Errol Tate (formerly with City of University City), etate@manchestermo.gov

PRIME - City of STL-BPS - STL Lambert Int'l Airport

On-Call Civil/Landside

Multiple task orders including planning and conceptual studies, value engineering and bid documents for roadway and resurfacing projects including drainage, striping, sidewalks, signals, signing

Steve Stirnemann | Project Manager
Gary Whiteside, Emma Woods-Albers, Rima Shrestha, Garth Owens, Brett Brooks

Reference: Jay Christians, jachristians@flystl.com

PRIME - MoDOT District-Wide ADA Inventory*

STL DISTRICT - Review rating of 5

Data collection preparations, field data collection, and data analysis, conceptual cost analysis, parcel impact analysis prior to final report and final conceptual report.

Steve Stirnemann, PE | Project Manager
Brett Brooks, Garth Owens, Rima Shrestha, Jeffrey Varughese

Reference: Jenn Becker, jennifer.becker@modot.mo.gov

PRIME - MoDOT Route 364 Striping and Signing*

STL DISTRICT - Review rating of 4.7

Preliminary and final design including traffic control and construction phasing, PS&E submittal, and construction support. Improvements included striping modifications and signing layouts and design for 5 new sign trusses.

Steve Stirnemann, PE | Project Manager
Garth Owens

Reference: Chris Kelly, christopher.kelly@modot.mo.gov

PRIME - MoDOT Route 67 (Lindbergh Blvd) Traffic Signal Design*

STL DISTRICT - Signal/ADA Improvements

Traffic signals, ADA, sidewalks, geometrics, intersection lighting, surveys, construction services. Special signing project for City of Creve Coeur.

Steve Stirnemann, PE | Project Manager
Garth Owens

Reference: Tom Montes-de-Oca, thomas.montes-de-oca@modot.mo.gov

PRIME - MoDOT Route E – Joachim Creek Stabilization*

STL DISTRICT - Stabilization Analysis and Design

Study and design of embankment stabilization, field and hydraulic surveys, HEC-RAS modeling, alternatives and cost development, right-of-way, cost estimates, easements, permit application assistance, and agency coordination

Steve Stirnemann, PE | Project Manager
Garth Owens, Brett Brooks

Reference: Barry Bergman, barry.bergman@modot.mo.gov

QUALIFICATIONS OF PERSONNEL

EDSI's experience includes planning, conceptual studies, and design document preparation. Transportation design experience includes roadway, signal, ADA, traffic, drainage, hydrology/hydraulics, slide repair, pedestrian and bicycle facilities, transportation related structures, topographic and right-of-way surveys, utility coordination, innovative project delivery, and value engineering. Below are our key personnel. **LPA Certified staff are denoted with a checkmark (✓).**



Steve Stirnemann, PE - Transportation and Civil Site Group Manager | Senior Project Manager ✓

Over 25 years of design experience in roadway, ADA, traffic signal, hydraulics, drainage, guardrail, signing and striping, traffic control, intersection geometrics, utility coordination, cost estimates, and RER approvals. His project management experience includes preparation of contract documents, schedule development and budget projections, and coordinating communication and workflows between clients and subconsultants.



John Hock, PE - Senior Roadway Design Lead ✓

Over 35 years of experience in traffic studies, roadway, right-of-way & easements, pavement design, intersection geometrics, pedestrian facilities, traffic control & construction phasing, temporary erosion & sediment control, traffic signals, lighting, signing, pavement markings, drainage design, utility coordination, quantities, construction cost estimates, and technical specifications for MoDOT and local agencies.

Additional Team Members:

George John, PE – Principal/ Founder
Jeffrey Varughese, PE – Roadway Engineer
Gary Whiteside, PE – Project Manager ✓
Emma Woods-Albers, PE – Roadway Engineer ✓
Matt Lurkins, EI – Roadway Designer
Kaley Bowers – Roadway Designer ✓

Mikayla Sockow – Roadway Designer
Garth Owens, CET – Sr. Roadway Technician ✓
Rima Shrestha – Roadway Technician ✓
Jean LaKemper, PE – Structures Group Manager ✓
Brett Brooks, PLS – Survey Group Manager

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

Steve and the EDSI team have an established record of responsiveness to our clients. We will identify the appropriate team of EDSI 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 Roadway Design On-Call**.

Sincerely,

Steve Stirnemann, PE
Project 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 (Grundey 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