



November 15, 2013

To: Kenny Voss, PE
Local Program Administrator

RESPONSIBLE FIRM

Engineering Design Source, Inc. (EDSI)

16141 Swingley Ridge Road
Suite 300
Chesterfield, Missouri 63017
P: 636.537.5585
www.EngDesignSource.com
DBE Certified

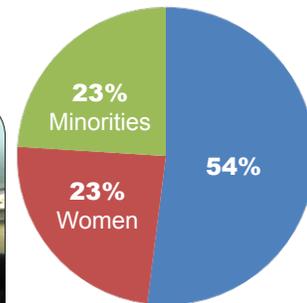
Dear Mr. Voss and Members of the Selection Committee:

Engineering Design Source, Inc. (EDSI) is pleased to submit our interest in becoming LPA on-call consultant for trails and sidewalks. Since our inception in 1995, EDSI has successfully completed more than 1,500 civil engineering and surveying projects in the Bi-State area. Our headquarters is located in Chesterfield, Missouri and we are **100% minority owned and certified as a DBE/MBE firm. EDSI is also a MoDOT prequalified firm.** Our successful track record can be attributed to our focused approach in providing our clients personal attention and offering cost effective solutions. Responding quickly to specific project requirements and performing at a higher level of satisfaction have become our principle objective.

EDSI has built a reputation of excellence by providing our clients with superior engineering and design services, personal attention, and highly responsive staff to meet the specific needs of each complex project. We take pride in our strong work ethic and our detailed quality control process which insures correct deliverables in a timely and cost effective manner.

WORKFORCE DIVERSITY:

Engineering Design Source Inc. is committed to meeting MoDOT's Workforce Diversity standards. As an MBE firm, EDSI has a firsthand understanding of what it takes to grow a MBE business and how to recruit a diverse workforce and foster an environment of inclusion. **We present a workforce led by EDSI which includes 46% women and minorities.** Our commitment to diversity is never relegated to the fine print. We display it proudly, and believe a better, more innovative engineering firm is only possible when the power of our differences is unleashed and lived, day in and day out.



GENERAL EXPERIENCE OF FIRM / PAST PERFORMANCE:

Missouri Botanical Garden - St. Louis, Missouri

Construction plans for Garden perimeter improvements such as plantings, site amenities, ADA improvements, and signage. Specifically, these improvements included pedestrian traffic signals, curb ramps, and drainage at Vandeventer Avenue & Shaw Boulevard; crosswalks and landscaping at Alfred Avenue & Shaw Boulevard; pedestrian traffic signals, curb ramps, crosswalks, and landscaping at Tower Grove Avenue & Shaw Boulevard; curb ramps and crosswalks at Alfred Avenue & Magnolia Avenue; sidewalk, retaining walls, landscaping, drainage, lighting, and signing along Shaw Boulevard from Castleman Avenue to Tower Grove Avenue; and multi-purpose trail, entrances, and landscaping along Alfred Avenue from Shaw Boulevard to Magnolia Avenue. Design included sidewalk alignments and profiles, easements, pavement selection, intersection details, temporary traffic control, temporary erosion & sediment control, traffic signals, lighting, signing, pavement markings, drainage design, utility coordination, quantities, construction cost estimate, technical specifications, and construction phase assistance. Project also included landscape architecture by others. Efforts were made to include recycled-content and sustainable site product selection, specification, and procurement; waste reduction strategies, such as construction & demolition waste management plans and specifications, deconstruction plans and specifications, storage and collection of recyclable and other reuse opportunities; use of the LEED Green Building Rating System; and sustainable streetscape practices and maintenance plans.



University City Curb Ramp Upgrades - University City, Missouri

EDSI was selected to design pedestrian upgrades at 14 intersections. Detailed plans were prepared to bring these curb ramps and adjacent sidewalks up to current ADA standards.

- Mount Vernon Avenue at Wellington Avenue
- Chamberlain Avenue at Ferguson Avenue
- White Oak Lane at Faris Avenue
- Plymouth Avenue at Partridge Avenue
- Stratford Avenue. at West Point Court
- Blackberry Avenue at Greenshire Court
- Teasdale Avenue at Central Avenue
- Mount Vernon Avenue at Melrose Avenue
- Chamberlain Avenue at Kingsland Avenue
- White Oak Lane at Purdue Avenue
- Stratford Avenue at Jackson Ave
- Teasdale Avenue at Bemiston Avenue
- Blackberry Avenue at Mulberry Lane
- Blackberry Avenue at Blackberry Place





St. Louis County Sidewalks Projects - St. Louis County, Missouri

Construction plans for new sidewalks at four locations. Specifically, these projects included 900' on the north side of Hudson Road in Ferguson from Elizabeth Avenue to Chateau Woods Drive; 900' on the south side of Concord School Road in South County from Courtwick Drive to Sperring Middle School; 1200' on the west side of Milburn Road in Oakville from Flameglow Drive to Oakville Middle School; and 500' on the north side of Eddie and Park Road in South County from Sappington Road to 9525 Eddie & Park Road. Design included sidewalk alignments & profiles, right-of-way & easements, temporary traffic control, temporary erosion & sediment control, signing, open and enclosed drainage design, retaining walls, cross-sections & earthwork / grading, utility coordination, quantities, construction cost estimate, and technical specifications.



CMAQ Vandeventer - St. Louis, Missouri

Subconsultant portion of project to upgrade 15 signalized intersections on Vandeventer Avenue from Forest Park to St. Louis Avenue including interconnection, signal controllers, signal heads, pedestals, mast arms, and power supplies. Pedestrian access was addressed to comply with current ADA standards. Tasks included machine volume counts using hose-type and pad-type counters for seven days at 3 locations. The data was summarized in one-hour increments, and presented numerically and graphically. Peak-hour intersection counts were performed for one weekday and one weekend at each of 12 locations. Detailed handicap ramp drawings were prepared, which included slopes and landing areas to ensure that the plans comply with the City's ADA guidelines.



Wydown Boulevard - Clayton, Missouri

EDSI is currently designing the proposed improvements in the City of Clayton which includes milling and overlay of Wydown Boulevard from the east edge of Hanley Road to the east city limit. Milling and overlay include side street approaches to the point of curb replacement for curb ramps. The project also includes the replacement of curb ramps per current ADA guidance, curb replacement, replacement of colored asphaltic composite crosswalks with brick paver crosswalks and signing and striping for bicycles and pedestrians.



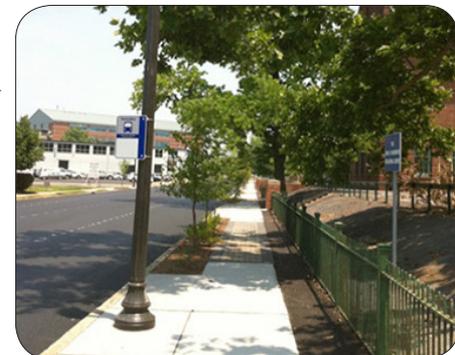
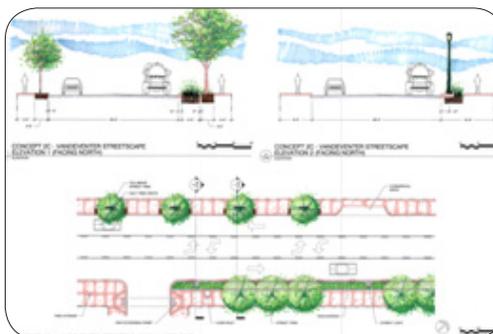
Morgan Ford Streetscape - St. Louis, Missouri

As the prime firm EDSI provided final bid documents for the demolition and removal of existing curb and portion of the existing roadway, damaged sidewalks, new drive aprons, repair of existing storm drainage structures, and proposed sidewalk improvements. Traffic striping plans were prepared for the removal and re-striping of Morgan Ford Road to accommodate the narrower driving surface. Additionally, the reduction of impervious pavement allowed for approximately 21,000 square feet of new green space to be added and 53 new tree planting



Vandeventer Streetscape - St. Louis, Missouri

This City of St. Louis project spanned approximately half mile of Vandeventer Ave. from Kingshighway Blvd. to Shaw Blvd. Improvements included construction of a pedestrian and bike friendly streetscape, solar powered pedestrian lighting and landscaping. Permeable pavers were installed over structural soil adjacent to street trees to allow for storm water infiltration. Existing curb ramps were replaced with ADA compliant curb ramps.





QUALIFICATIONS OF KEY PERSONNEL:

With over 18 years of experience in trails and sidewalks, EDSI has the expertise to develop the scope, phasing, and costs for the conceptual, preliminary, and contract plans. The principal members of our team that will be assigned to this project are listed below.

George John, PE, Project Principal - Mr. John has over twenty-nine 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. Mr. John is registered as a professional engineer in Missouri and has been involved in a variety of transportation related projects throughout the United States. As President of EDSI, Mr. John is responsible for providing project management, quality control reviews, monitoring budgets and schedules, and engineering design consultation.

John Hock, PE, PTOE, Project Manager - Mr. Hock has twenty-nine years of experience in the civil engineering field. He is responsible for project management and quality control of transportation projects at EDSI. His areas of expertise include roadway design, traffic, and hydraulics/ hydrology. He has completed more than 140 transportation projects in the Bi-State region. Design complexity of these projects varies from intersection improvements, to resurfacing and widening of residential streets and county roads, to construction of new interstate highways and interchanges. Traffic services include data collection, impact studies, and signal design. Clients include various state municipal agencies such as Missouri and Illinois Department of Transportation, St. Louis County and City of St. Louis; institutional, commercial, and industrial entities; private developers; and other engineering firms.

Tobin Bonnell, PE, Roadway Design Engineer - Mr. Bonnell has more than twelve years of experience in several areas of civil engineering including roadway design, construction inspection, hydraulic studies, traffic studies, pavement design, construction cost estimation, sanitary sewer design, storm water management and sewer modeling. He has wide-ranging design experience and can easily identify and resolve issues with the design, specifications and drawings. Additionally, he has completed extensive training in the use of advanced computer aided design software such as Microstation/InRoads, AutoCAD Civil 3-D, Eagle Point, Geopak, HCS2000, and SYNCHRO.

Amanda Wedekemper, EIT, Civil Engineer - Ms. Wedekemper has three years of experience as an engineer. She has been responsible for a variety of tasks in projects related to the assessment, design, and construction inspection of roadways and bridges. This includes analysis of historical plans, field verification of features and limits, performing cost estimates and creating plans, quantity summaries and schedules as well as performing and documenting quality assurance through careful measurement and material tests on the project site. She is proficient with computer aided drafting software as well as ASTM standards and AASHTO guidelines.

Garth Owens, CET, Senior CAD Technician - Mr. Owens has over twenty years of civil engineering experience working as a CAD designer on a variety of projects including data collection, traffic counts, roadway and bridge improvements, GIS development, site and grading plans, topographic field surveying, storm and sanitary sewer projects, wastewater treatment plant design, water main improvements, and large scale design-build projects. Mr. Owens has complete working knowledge of several different types of computer aided drafting software including: Microstation, AutoCAD, InRoads, GeoPak, Eagle Point, and Softdesk.

ACCESSIBILITY OF FIRM AND STAFF:

Project Manager John Hock will have access to the expertise and diverse project experience of the entire EDSI staff. The capacity and accessibility of our team will help to ensure that an accelerated project schedule can be maintained without sacrificing quality. We will fully collaborate with all vested partners to build upon the strengths of one another and improve the finished project as it moves to the final stage. EDSI's Chesterfield, Missouri office is located a short 2 miles from MoDOT district office.

FAMILIARITY / CAPABILITY:

The EDSI team will draw from our broad experiences and expertise from past trails and sidewalks projects. Our goal is to provide Missouri's Local Program trails and sidewalks services with the most appropriate and cost-effective project solutions. We believe that becoming an on-call consultant is consistent with our strengths and our diverse suite of services allows us to address all aspects of the project. We truly want to work with the Missouri's Local Program and can assure you that our team of professionals will give the on-call trails and sidewalks projects the needed priority to successfully complete the jobs on schedule and within budget.

Sincerely,

A handwritten signature in black ink, appearing to read 'George John'.

George John, PE
President, CEO - EDSI



ENGINEERING DESIGN SOURCE, INC. COMPANY DESCRIPTION

Engineering Design Source, Inc. (EDSI) is a certified MBE/DBE civil engineering and surveying firm with 29 professionals providing consulting services in Missouri and Illinois. **EDSI staff includes 23% minorities and 23% women.** Since our inception in 1995, EDSI has successfully completed more than 1,500 projects in the Bi-state area.



EDSI has built a reputation of excellence by providing our clients with superior engineering and design services, personal attention, and highly responsive staff to meet the specific needs of each complex project. We take pride in our strong work ethic and our detailed quality control process which insures correct deliverables in a timely and cost effective manner.

EDSI has extensive design experience with highways/roadways, trails, pedestrian facilities, traffic studies, traffic signals, and site design. Our dedicated and diverse professional staff, detailed quality control plan and client satisfaction program ensures the successful completion of every project we undertake.

CERTIFICATIONS

DBE: Missouri- Certified through Metro MRCC, Issued 3/8/11, codes: 541330 (Engineering), 541370 (Surveying)

DBE: Illinois - IDOT, Issued 12/16/08

MBE: State of Missouri, Certification No. M03396, Issued 4/6/11, Expires 4/6/14

Professional Certifications:

Missouri: Professional Engineering Corp. License No. 001523, Expires 12/31/13
Professional Land Surveying, License No. 2002030547, Expires 12/31/13

Illinois: Professional Design Firm/Land Surveyor/Prof Eng Corporation License No. 184.002570, Expires 4/30/2014

EMPLOYEES BY DISCIPLINE

CHESTERFIELD, MISSOURI OFFICE

Disciplines	EDSI
Civil / Structural Engineers	9
Professional Land Surveyors	2
Land Surveyors (LSIT)	2
Crew Members	5
Technicians (CADD / Microstation)	3
Administrative	4
Total EDSI Employee	29



TRAILS AND SIDEWALKS EXPERIENCE

- Missouri Botanical Garden
- St. Louis County Sidewalks Project
- University City Curb Ramp Upgrades
- City of Clayton - Wydown Boulevard
- Congestion, Mitigation, Air Quality on Vandeventer
 - Morgan Ford Streetscape
 - Vandeventer Streetscape



TRAILS AND SIDEWALKS EXPERIENCE

PROJECT STATS:

EDSI Staff Involved:

Project Manager:

John Hock, PE

Designer: Garth Owens

Reference:

Paul Brockmann, PE

Missouri Botanical Garden

Phone: 314.577.0837

Missouri Botanical Garden - St. Louis, Missouri

Construction plans for Garden perimeter improvements such as plantings, site amenities, ADA improvements, and signage. Specifically, these improvements included pedestrian traffic signals, curb ramps, and drainage at Vandeventer Avenue & Shaw Boulevard; crosswalks and landscaping at Alfred Avenue & Shaw Boulevard; pedestrian traffic signals, curb ramps, crosswalks, and landscaping at Tower Grove Avenue & Shaw Boulevard; curb ramps and crosswalks at Alfred Avenue & Magnolia Avenue; sidewalk, retaining walls, landscaping, drainage, lighting, and signing along Shaw Boulevard from Castleman Avenue to Tower Grove Avenue; and multi-purpose trail, entrances, and landscaping along Alfred Avenue

from Shaw Boulevard to Magnolia Avenue. Design included sidewalk alignments and profiles, easements, pavement selection, intersection details, temporary traffic control, temporary erosion & sediment control, traffic signals,



lighting, signing, pavement markings, drainage design, utility coordination, quantities, construction cost estimate, technical specifications, and construction phase assistance. Project also included landscape architecture by others. Efforts were made to include recycled-content and sustainable site product selection, specification, and procurement; waste reduction strategies, such as construction & demolition waste management plans and specifications, deconstruction plans and specifications, storage and collection of recyclable and other reuse opportunities; use of the LEED Green Building Rating System; and sustainable streetscape practices and maintenance plans.

"Thanks to EDSI for all your hard work." Paul Brockmann, PE, Missouri Botanical Garden

PROJECT STATS:

EDSI Staff Involved:

Project Manager:

John Hock, PE

Design Engineer:

Tobin Bonnell, PE

Reference:

Ted Medler, PE, SE

St. Louis County Department
of Highways and Traffic

Phone: 314.615.8543

St. Louis County Sidewalks Projects - St. Louis County, Missouri

Construction plans for new sidewalks at four locations. Specifically, these projects included 900' on the north side of Hudson Road in Ferguson from Elizabeth Avenue to Chateau Woods Drive; 900' on the south side of Concord School Road in South County from Courtwick Drive to Sperring Middle School; 1200' on the west side of Milburn Road in Oakville from Flameglow Drive to Oakville Middle School; and 500' on the north side of Eddie and Park Road in South County from Sappington Road to 9525 Eddie & Park Road. Design included sidewalk alignments & profiles, right-of-way & easements, temporary traffic control, temporary erosion & sediment control, signing, open and enclosed drainage design, retaining walls, cross-sections & earthwork / grading, utility coordination, quantities, construction cost estimate, and technical specifications.



PROJECT STATS:

EDSI Staff Involved:

Quality Control:

John Hock, PE

Designer:

Garth Owens

Reference:

Megan Fuhler, PE

Public Works Department
University City

Phone: 314.505.8568

University City Curb Ramp Upgrades - University City, Illinois

EDSI was selected to design pedestrian upgrades at 14 intersections. Detailed plans were prepared to bring these curb ramps and adjacent sidewalks up to current ADA standards.





PROJECT STATS:

EDSI Staff Involved:

Project Manager:

John Hock, PE

Design Engineer:

Tobin Bonnell, PE

Reference:

Steve Meyer, PE,

City of Clayton

Phone: 314.290.8547

Wydown Boulevard - Clayton, Missouri

EDSI is currently designing the proposed improvements in the City of Clayton which includes milling and overlay of Wydown Boulevard from the east edge of Hanley Road to the east city limit. Milling and overlay include side street approaches to the point of curb replacement for curb ramps. The project also includes the replacement of curb ramps per current ADA guidance, curb replacement, replacement of colored asphaltic composite crosswalks with brick paver crosswalks and signing and striping for bicycles and pedestrians.



PROJECT STATS:

EDSI Staff Involved:

Project Manager:

John Hock, PE

Designer: Garth Owens

Reference:

Michael Wahlstedt, PE

Transystems

Phone: 816.329.8660

CMAQ Vandeventer - St. Louis, Missouri

Subconsultant portion of project to upgrade 15 signalized intersections on Vandeventer Avenue from Forest Park to St. Louis Avenue including interconnection, signal controllers, signal heads, pedestals, mast arms, and power supplies. Pedestrian access was addressed to comply with the current ADA standards. Tasks included machine volume counts using hose-type and pad-type counters for seven days at 3 locations. The data was summarized in one-hour increments, and presented numerically and graphically. Peak-hour intersection counts were performed for one weekday and one weekend at each of 12 locations. Detailed handicap ramp drawings were prepared, which included slopes and landing areas to ensure that the plans comply with the City's ADA guidelines.



PROJECT STATS:

EDSI Staff Involved:

Project Manager:

John Hock, PE

Designer: Garth Owens

Reference:

Roger Allison, PE

Board of Public Service

Phone: 314.622.3535

Vandeventer Streetscape - St. Louis, Missouri

This City of St. Louis project spanned approximately half mile of Vandeventer Ave. from Kingshighway Blvd. to Shaw Blvd. Improvements included construction of a pedestrian and bike friendly streetscape, solar powered pedestrian lighting and landscaping. Permeable pavers were installed over structural soil adjacent to street trees to allow for storm water infiltration. Existing curb ramps were replaced with ADA compliant curb ramps.



PROJECT STATS:

EDSI Staff Involved:

Project Manager:

John Hock, PE

Designer: Garth Owens

Reference:

Roger Allison, PE

Board of Public Service

Phone: 314.622.3535

Morgan Ford Streetscape - St. Louis, Missouri

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