



**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:

CDG Engineers, Inc.

Firm Contact Name:

Stephen G. Hilderbrand, PE, CFM

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One Campbell Plaza

St. Louis, MO 63139

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 12, 2025

LOCAL PUBLIC AGENCIES OF MISSOURI

**RE: Letter of Interest for Trails & Sidewalks
CDG Qualification No. M25327**

Dear Members of the Selection Committee:

CDG Engineers, Inc. ("CDG") is pleased to submit our qualifications for your review. This letter is in response to a request for Missouri's Local Program ("LPA") Consulting Services prequalification for the Trails and Sidewalks category. CDG is currently on MoDOT's Approved Consultant Prequalification List.

General Experience:

CDG's team of engineers has worked on multiple trail and sidewalk projects. CDG has a full-time professional staff of more than 80 personnel in our St. Louis office, including more than 15 civil engineers and technicians who have the specialized experience and available capacity for this work. CDG has the following expertise:

- > Shared-use Paths
- > Trailhead Layout & Design
- > Water Quality BMPs
- > LiDAR Scanning
- > Preliminary planning
- > ADA Compliance
- > Pedestrian Signal Design
- > Construction Cost Estimating
- > 3D Modeling
- > Grant application
- > STP Project Delivery
- > Utility Coordination
- > QA/QC Review
- > Hydraulics/Hydrology
- > Pedestrian Lighting

Past Performance:

CDG staff have performed engineering design and planning services for trail projects across Missouri and are uniquely qualified for this type of work. Our civil engineers, structural engineers, and architects have extensive experience in shared-use path planning and design, trailhead layout and design, ADA compliance, utility coordination, and more. CDG has planned and designed more than 75 miles of trails and sidewalks over the last 15 years.

CDG regularly works for local St. Louis area municipalities, state agencies and the U.S. Army Corps of Engineers. Some of these projects have included roadway reconstruction, concrete pavement panel replacement and/or pavement resurfacing/widening, while others included lane, pathway, and sidewalk additions. Additionally, we routinely work on projects subject to grant and federal funding approval that requires coordination with and review from multiple agencies.

Rock Island Multi-use Trail, Missouri Department of Natural Resources, Division of State Parks – Preliminary and final design, as well as construction engineering for the 47-mile wester extension of the Katy Trail. This 12-foot wide gravel surface trail on top of an existing rail line includes the performance of extensive engineering, including hydraulic analysis and design services for 10 new pedestrian/bike bridges, 33 large culverts (over 6') and an additional 45 culvert crossings (under 6').



Great Rivers Greenway, Multiple Trail Projects – CDG has performed design and construction engineering service for multiple new trails in the St. Louis region. Trails have included: Sunset Park Trail, Truman Trail, Riverwoods Trail, Earth City Levee Trail and others. **Ref:** Todd Antoine, Director for Planning, 314.436.7009 x103, tantoine@grgstl.org



Gateway Park Pathway Pedestrian Trail and Bridge, Sheridan, WY

– Designed a ped/bike trail and performed construction inspection as part of the City of Sheridan's extensive trail network, connecting various neighborhoods and scenic regions in the city. Prepared the preliminary and final design for the new



1.3 mile long 10' shared used pedestrian trail and a bridge over Goose Creek and along Goose Creek under I-90 bridges. Constructed in 2022. CDG estimate: \$1,302,570. Average Bid: \$1,113,700. [Ref:](#) Hanns Mercer, Public Works Director, 307.675.4237, hmercerc@sheridanwy.net

Newstead Avenue Improvements (STP-4939(604)), City of St. Louis Board of Public Services –

Pedestrian and streetscape improvements along 0.4 mile of Newstead Avenue. The project included: mill and asphalt overlay, resetting of granite curbs, new alley/driveway entrances, new sidewalk, ADA upgrades, new street and pedestrian lighting, new street trees, and MSD stormwater “water quality” permeable pavers. Construction 2017.

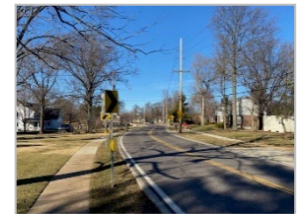
Dardenne Greenway Connector, O’Fallon, MO –

Added bike/pedestrian lane to the replacement bridge for City of O’Fallon/MoDOT Dardenne Greenway Connector project on Technology Drive (I-64 N.O.R.) bridge over Dardenne Creek. Currently under construction. [Ref:](#) Lillian Thomas, PM, 636.379.5556.



Henry Avenue Roadway Improvements (STP- 4939(604)), Ballwin, MO –

1.3-mile of improvements from Clayton Road to the City limits. Milling and resurfacing of 4-5 inches of asphalt pavement; partial curb and gutter replacement; stormwater upgrades; new sidewalks; upgrades to existing sidewalks and curb ramps for ADA compliance. Construction 2017. PM: D. Rieck; Design: K. O’Shaughnessy. [Ref:](#) Jim Link, Superintendent of Public Works, 636.227.9000, jlink@ballwin.mo.us.



Muegge Road Rehabilitation and Shared Use Path, STP-7302(692), City of St. Charles, MO –

Design of 0.57-mile-long selective slab replacement restoration along with ADA improvements, pedestrian signal upgrades, and construction of 5-foot-wide sidewalk and a 10-foot-wide concrete shared use path. Design Start: 3/23. Design Complete: 2/25. Currently in construction. CDG Budget Estimate: \$2,212,268. Low Bid: \$1,653,571. Design Fee: \$270,700. Design DBE Goal: 12%. Actual DBE Participation: 19.4%. [Ref:](#) Dan Mann, PE, Director of Engineering, 636.949.3237, daniel.mann@stcharlescitemo.gov



Laclede’s Landing Street Improvements, HUD No. 2008-DI-114, City of St. Louis L.C.R.A. (Land Clearance Redevelopment Authority) –

\$5.2M project to reconstruct 1st and 2nd Streets on historic Laclede’s Landing in downtown St. Louis. Removed and reset cobblestone street pavers, upgraded underground utilities, added concrete curb and gutter, new ADA compliant sidewalks and cross walks (redesigned 23 ADA curb ramps). Replaced entire street lighting system and power supply. 2020 Construction. PM: S. Hilderbrand; Lead Designer: K. O’Shaughnessy; Inspector. [Ref:](#) Rob Orr, LCRA Project Manager, 314.657.3742, OrrR@stlouis-mo.gov



East Springfield Road Sidewalk Addition, Oak Grove Village, MO –

Design and construction phase services for a 0.6-mile-long Village funded sidewalk alongside existing pavement to stay within existing right-of-way. ADA compliant with new drainage and slotted concrete curbs. [Ref:](#) Village Trustees, 573-468-4500, ogv@fidnet.com

Qualifications of Personnel:

The following are some of CDG's key civil engineers:



37 years exp.

Steve Hilderbrand, PE, CFM

Manager, Water Resources

- QA/QC Review
- Trail Design
- Stormwater Drainage



15 years exp.

Kevin O'Shaughnessy, PE, PMP – Civil Project Manager

- Project Management
- Sidewalk Design
- Ped/Bike Facilities
- LPA Basic Training Cert.



19 years exp.

Dan Rieck, PE, LSIT

Manager, Civil Infrastructure

- Project Management
- Trail Design
- ADA Compliance
- LPA Basic Training Cert.



5 years exp.

Chase McCorkle

Civil Engineer

- ADA Ramps & Upgrades
- Roadway Design
- Hydraulic Analysis



21 years exp.

Mike McMillion, PE

Civil Engineer

- Roadway Design
- Storm Sewer Design
- Utility Coordination



43 years exp.

Katerina Polovina, PE

Civil Engineer

- Sidewalk Design
- Hydraulics/Hydrology
- Storm Sewer Design

Familiarity/Capability:

CDG has successfully designed multiple trail and sidewalk projects for the State of Missouri, as well as Missouri counties and cities over the years. Our team will work closely with the engineering staff to ensure projects stay on schedule.

CDG understands the requirements of projects with federal funding and knows how to deliver projects meeting those requirements. We look for opportunities to apply innovative and practical design solutions to improve project economy and efficiency. We are very familiar with the MoDOT LPA policies/procedures. CDG knows how to deliver federally funded projects to obtain PS&E approval and obligation of construction funds.

Accessibility:

CDG understands that municipalities need consultants who can respond quickly to requests. Responsiveness is engrained in our corporate culture and a requirement of our employees. CDG prides itself in being available to our clients, with a pledge to respond within 24 hours. Maintaining active Consultant-to-Client communications on project engineering and design assignments is vital for success and is a trademark of CDG.

Sincerely,

CDG Engineers, Inc.



Stephen G. Hilderbrand, PE, CFM

Manager, Water Resources – shilderbrand@cdgengineers.com



CDG
ENGINEERS



**ENGINEERING
A BETTER WAY**

cdgengineers.com

One Campbell Plaza
St. Louis, Missouri 63139

ST. LOUIS, MO

CHARLOTTE, NC

SHERIDAN, WY

TROY, IL

33

Years of Engineering Excellence

100+

Employees Firm-Wide

200+

Bridges Inspected & Designed by
CDG Staff

300+

Trail, Roadway, Sidewalk, & ADA
Improvements in the Last 5 Years

FIRM OVERVIEW

CDG is a full service, multi-discipline engineering firm with capabilities in civil, structural, mechanical and electrical engineering, as well as architecture. Services include planning, engineering, architectural design, and construction administration. CDG works in the fields of public works/infrastructure, power, renewable energy, industrial, and mining.

In 2025, CDG celebrated 33 years of engineering excellence. We have built our reputation on referrals and repeat business and have created trusted partnerships with our clients that is based on integrity, value, and responsiveness.

INFRASTRUCTURE SERVICES

CDG provides a wide variety of infrastructure services. These services largely involve public works and concentrate on state and local infrastructure. Projects range from roads, highways, and pedestrian trails to bridges, culverts, river structures, and more.

Transportation

- > Roads and Highways
- > Bike/Pedestrian Trails
- > Marine Facilities
- > Bridges
- > Streetscapes
- > Rail

Water Resources

- > Hydraulic Modeling
- > Hydrologic Analysis
- > Flood Protection
- > Streambank Stabilization
- > Stormwater
- > Wastewater
- > Potable Water

Site Development

- > Planning
- > Drainage
- > Grading
- > Parking Lots



STRUCTURES

CDG provides clients with practical and cost-effective structural engineering solutions. Our staff can provide inspection, evaluation, design, and construction aspects of structures such as stream crossing bridges, grade separations, culverts, retaining walls, and other unique structures.



ROADWAYS

CDG provides clients with full spectrum engineering solutions for roads and highways. Our experienced staff has expertise in roadway widening, intersection design and realignment, transit planning, curb design, streambank stabilizations, streetscape improvements, and hydraulics and hydrology.



TRAILS & SIDEWALKS

CDG recognizes the importance of pedestrian-friendly spaces and brings a unique approach to trail design by incorporating community needs, regulatory constraints, and aesthetic considerations to each project. Our experienced staff also have extensive knowledge in ADA compliance.



Henry Avenue Roadway Improvements, STP-4939(604), City of Ballwin, MO - 1.3 miles of roadway improvements from Clayton Road south to the city limits. Cold milling and resurfacing of 4-5 inches of asphalt pavement; replacement of structurally deficient curb and gutter sections; new curb and gutter; re-established gutter capacity where curb was overlaid; stormwater upgrades; new storm sewers where needed; new sidewalks; and curb ramps to comply with ADA requirements; striping and crosswalks.



Boeuf Creek Road Bridge Replacement, STP-5490(615), Franklin County, MO - Replacement of existing bridge and roadway realignment over a tributary to Boeuf Creek. The existing bridge carried a single lane of traffic. A 65' long single span precast, prestressed concrete spread box beam bridge on pile cap integral end bents was the best solution for this site. Two 12' lanes with 2' shoulders were provided. The road was raised slightly at the bridge and approaches to accommodate the increased depth of the new, longer bridge. CDG provided both design and construction engineering services for this project.



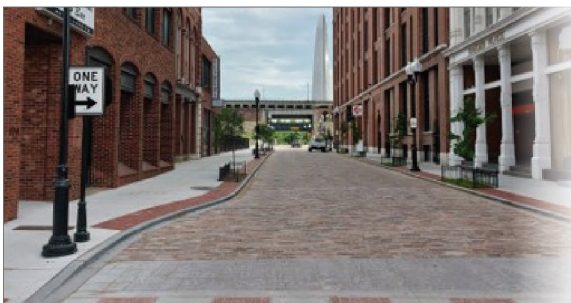
Rock Island Spur Trail (47-mile Extension of Katy Trail State Park), Missouri State Parks - CDG designed the western Missouri ped/bike trail and performed construction inspection between Windsor and Pleasant Hill, Missouri, along the abandoned Missouri Central Railroad corridor. The 12' wide gravel trail travels over 85 existing bridges and culverts. Several trailheads and road crossings over county/state routes were developed during design.



Lucas-Hunt Road (North) Improvements, St. Louis County, MO - Engineering and design services for 1.3 miles of roadway improvements to Lucas-Hunt Road between Hord/Hulskamp Avenue and Halls Ferry Road (HWY AC). Included surveying, utility coordination, stakeholder coordination, and environmental permitting. Design consisted of cold milling 3 inches of asphalt pavement, asphalt resurfacing, partial depth pavement and concrete base repairs, pavement joint repairs, guardrail removal and replacement to meet MASH standards, replacement of structurally deficient concrete curb and gutter and sidewalk sections, upgrading curb ramps to comply with ADA requirements, traffic control, and erosion control.



Longview Drive Bridge, St. Louis County, MO - St. Louis County DOT needed to replace Bridge No. 511 located immediately east of State Route 61/67 (Ferry Road). It was determined to temporarily divert and construct a two-lane temporary road to the north across private property in an easement then returning the ground to its original condition. A custom designed single cell 20' wide x 8' tall cast-in-place box culvert was selected as the best option with a slightly rased deck. After the new bridge was constructed, the temporary road and box culvert were removed and the site was re-graded and vegetated with native grasses. It was turned back over to the property owner.



Laclede's Landing Street Improvements, HUD No. 2008-DI-114, City of St. Louis Land Clearance for Redevelopment Authority (LCRA) - \$5.2M project to reconstruct 1st and 2nd Streets in Historic Laclede's Landing in downtown St. Louis. Removed cobblestones and added concrete curb and gutter. New concrete sidewalks and crosswalks (redesigned 35 ADA compliant curb ramps). Improved stormwater system and replaced entire street lighting system and power supply. CDG performed all LPA required CE inspections, documentation, and submittals.