

November 15, 2013

Mr. Kenny Voss
Local Program Administrator
Missouri Department of Transportation
105 West Capitol Avenue
Jefferson City, Missouri 65102

RE: Letter of Interest - Trails & Sidewalk Design, LPA

Dear Mr. Voss,

Kuhlmann *design* Group, Inc. (KdG) is interested in providing Trails & Sidewalk Design services to Missouri's Local Program (LPA) for the Trails & Sidewalks Design Services Contract. KdG is listed on MoDOT's Approved Consultant Prequalification List.

GENERAL EXPERIENCE OF FIRM

KdG believes they are uniquely qualified to provide the professional services required. KdG is in its 39th year of service in the engineering profession. We are experienced trail and sidewalk design professionals who have a long-term commitment to and relationship with MoDOT and the LPA. KdG engineers are experienced in designing trails and pedestrian facilities that comply with current ADA standards. They have assisted with environmental clearance and right-of-way acquisition, and designed signals and lighting for pedestrian facilities. KdG surveyors have also been involved with trail and sidewalk design projects. KdG is committed to the concept, commitments, and rewards of the partnering program. Please see attached references from relevant recent clients on trails and sidewalk design projects.

PAST PERFORMANCE

Conway Road Sidewalk Replacement: St. Louis, Missouri - KdG provided engineering design services for new sidewalks along a 2,400 foot section of Conway Road. Sidewalk design involved a new 6 feet wide, 4 inch thick concrete sidewalk on a 4 inch rock base and a well prepared subgrade. All sidewalk designs met current ADA requirements and were designed to have a minimum 5 feet grass strip between sidewalk and pavement. Street trees were installed at 30 feet intervals on the grass strip to add to the aesthetic nature of the project.

Olive Boulevard Sidewalks: Creve Coeur, Missouri - KdG has completed a survey including right-of-way along the south side of approximately 1,700 feet of Olive Boulevard, from 100 feet west of Mill Crossing Drive to 200 feet east of Fernview Drive. The survey also includes Mill Crossing Drive from Olive Boulevard south to the dead end (approximately 750 feet in length) and 300 feet of Fernview Drive south of Olive Boulevard. Subsequently, KdG performed Concept Plan design of new sidewalk alternatives for the City. Three concepts were submitted to the City and reviewed with MoDOT representatives to discuss the feasibility of the options.

Monarch Chesterfield Levee Trail: Chesterfield, Missouri - KdG designed Phases I, IIa, IIb, and V of a walking, biking, and roller blading trail. The 7 miles of trail built on top of the levee included rest/viewing areas, trail heads designed with porous pavement, signal modification at Baxter Road and Edison Avenue, and hydraulic analyses of the Missouri River and Bonhomme Creek for work within the floodway. Overall, the project encompasses the entire Chesterfield Valley, a distance of approximately 17 miles, with more than 12 miles of the trail being on the Monarch Chesterfield Levee.

Warson Road ADA Sidewalk Audit: St. Louis, Missouri - KdG performed an audit for the City of Warson Woods of the City Park, sidewalks, City Hall, and City maintenance shed for compliance with the 2010 ADA Standards for Accessible Design. A report of the findings along with recommendations of repairs, priorities, and an opinion of probable costs were given to the City.

QUALIFICATIONS OF PERSONNEL

Our Engineering Division is composed of experienced professionals who have worked on previous LPA projects. The staff of KdG can provide successful projects to the Missouri Department of Transportation.

Chad D. Fairbanks, P.E. - Project Manager

Mr. Fairbanks has over 17 years of experience in the planning, design, and construction services of traffic and transportation related projects. He has provided funding applications, transportation design calculations, quantity calculations, construction specifications, cost estimates, hydraulic calculations, schedules, inspection reports, and construction observation for transportation projects. Mr. Fairbanks' experience ranges from major MoDOT highways and interstates to local streets and sidewalks. He has worked on MoDOT projects in various districts, including work on many signalized intersections and highway projects.

April M. Giesmann, PE - Civil Engineer

Ms. Giesmann has over 17 years of experience in civil engineering design and planning. She has extensive experience working with municipalities, departments of transportation and other government agencies. She has been involved in the design of storm sewers, detention facilities, sanitary sewers, parking lots and play fields for educational facilities, commercial projects, residential properties, and recreational facilities. She is competent in hydrologic and hydraulic modeling and has performed multiple flood plain studies and designed numerous detention facilities and water quality BMPs.

Martin N. Solomon, PE, PTOE - Traffic Engineer

Mr. Solomon performs design and planning tasks on a variety of transportation projects. He has 35 years of traffic engineering experience with over 29 years of experience with the St. Louis County Department of Highways and Traffic encompassing traffic studies and operations, signal design, capacity analysis, signal timing, and intersection design. He has conducted intersection traffic control studies, accident analysis, speed, signing, and striping studies. While with St. Louis County he was responsible for the operation of over 500 traffic signals. He developed traffic signal timing plans, phasing, and coordination plans for arterials and closed loop systems. Mr. Solomon has conducted computer simulation, optimization, and capacity analyses. He is proficient with HCS-2000, Synchro, SimTraffic, TSPD-Draft, and other traffic engineering software. He has provided traffic signal designs for a variety of MoDOT projects. Mr. Solomon is also capable of providing roadway lighting design. Using the LitePro software package he has produced lighting contour maps for both MoDOT and developers in preparation for lighting design plans.

Anthony J. Girondo III P.E. - Highway Engineer

Mr. Girondo has over 12 years of experience in civil engineering design and construction administration. He has been involved with various types of projects for clients including municipalities and state departments, private developers, and individual homeowners. He has worked on projects from conception through the completion and closeout of construction. Mr. Girondo has competent experience with transportation planning and design projects, commercial and industrial developments, stormwater collection with detention and water quality requirements, sanitary sewer collection and pumping stations, athletic complex layouts and design, potable water distribution and residential subdivision layouts.

Christine M. Beasley, PLS - Survey Department Manager

Ms. Beasley has over 23 years of experience in land surveying, civil engineering, and project management. Her project experience includes GIS mapping, GPS surveying, residential, commercial, municipal, and roadway projects, as well as many different types of environmental projects. Ms. Beasley has experience that includes boundary surveys, right-of-way surveys, record plats, topographic surveys, construction surveys, and ALTA/ACSM surveys. Her experience also includes the use of AutoCAD/

Civil3D, AutoCAD/Land Development, Microstation, and GeoPAK as well as the use of ArcMap and Map 3D.

FAMILIARITY/CAPABILITY

KdG engineers, architects and technicians are well versed in requirements and have performed numerous projects for multiple Local Public Agencies, MoDOT, IDOT, United States Air Force, and other entities that receive federal funding. Within the last 5 years KdG has completed 11 projects either for the Federal Government or containing federal funding. All of the projects were completed following federal laws and guidelines with respect to contracts, design, deliverables, implementation, and record keeping. KdG is qualified and prepared to complete projects within full compliance of applicable federal laws.

ACCESSIBILITY

KdG has a strong track record of delivering high-quality projects on-time that are compliant with federal law. We take pride in putting our client's needs first; we feel our large number of repeat clients is a strong testament to our quality of work. KdG currently holds an open-ended contract for roadway and stormwater design projects with the City of Festus; Happy Welch, City Administrator, said "(KdG is) very responsive to City needs and residents". KdG recently performed professional design services for the City of Creve Coeur, prompting City Engineer Matt Wohlberg to say, "KdG proved to be very responsive and easy to work with for (this) project. Their concept analysis was a key element in discussions with the Missouri Department of Transportation regarding the feasibility of this project, and the concept layouts and designs were drafted in a way that were easy to understand. The City of Creve Coeur will certainly include (KdG) on future requests for qualifications for engineering design services".

Thank you for your time and consideration. Should you have any questions or require additional information, please feel free to contact us at any time.

Respectfully,

Kuhlmann *design* Group, Inc.



Chad D. Fairbanks, P.E., LEED AP
Project Manager

CDF2/ceo

ORGANIZATION:

Kuhlmann *design* Group, Inc. (KdG), founded in 1974, is comprised of approximately 60 individuals organized into four divisions. We offer diverse services which can be contracted for jointly or individually based on project needs and client preferences. Each professional discipline is managed autonomously which maximizes and focuses the senior design professionals' abilities directly to the needs of the client.

PHILOSOPHY OF SERVICE:

Meeting client needs is the driving force of KdG's existence. It is our responsibility to maintain current and in depth professional knowledge within our field of experience, to communicate with our clients in order to understand their goals, and convey to them a clear understanding of our solutions, providing them with complete data regarding decisions we ask of them.

SUSTAINABILITY:

KdG incorporates the responsible use of finite resources in all aspects of the design, construction, and operational performance of our projects. We encourage our clients to adopt realistic goals regarding sustainable practices to utilize our LEED accredited Architects and Engineers on staff to assist in meeting those goals.

FIRM DIVISIONS:

- Architecture
- Interiors
- Building Engineering
- Infrastructure Engineering & Surveying

OFFICE LOCATIONS:

Main Office
66 Progress Parkway
St. Louis, Missouri 63043

Illinois Office
15 East Washington
Belleville, Illinois 62220

Firm Profile



Kuhlmann *design* Group, Inc. (KdG) has an experienced staff of over 60 professionals available to render comprehensive professional services. KdG offers the following complete project design services:

ARCHITECTURE

Site Analysis & Selection; Master Planning; Needs Assessment; Facility Assessment; Programming; Project Budget Development; Design; Project Management; Construction Document Preparation; Construction Administration; BIM Modeling & 3D/4D Project Coordination; 3D Architecture Illustration & Animation; ADA Compliance Survey; Roofing & Building Envelope Investigations; Theming & Brand Development

INTERIOR DESIGN

Interior Programming; Space Analysis & Planning; Brand Conception; Brand Strengthening; Development and Creation of Interior Environments and Decor; Selection and Specification of Finishes and Furnishings; Project Cost Estimating; Budget Analysis; Preparation of Construction Documents; Construction Administration; Procurement Management Services

STRUCTURAL ENGINEERING

Structure and Foundation Design; Preliminary Design, Concepts and Feasibility Studies; Earthquake Retrofit; Rehabilitations and Renovations; Noise Abatement Walls; Structural Support of Mechanical and Process Equipment

ELECTRICAL ENGINEERING

Power Distribution; Lighting Design; Standby Power Generation; Automatic Transfer and Paralleling Schemes; UPS; Fire Alarm/Security; Audio/MATV; Communications; Roadway/Parking Lot Lighting

MECHANICAL / PLUMBING / FIRE PROTECTION ENGINEERING

Heating; Ventilating and Air Conditioning; Boiler and Chiller Replacements; Building Automation/Energy Management Systems; Environmental Control Systems; Energy Audits and ECM Implementations; Life Cycle Cost Analysis; Plumbing Systems; Industrial Ventilation and Exhaust Systems; Fire Protection Systems

SURVEYING

Global Positioning Systems Surveying and Mapping; Geographic Information Systems Surveying and Mapping; Boundary/Property; Construction Staking; Hydrographic; ALTA; Topographic

CIVIL ENGINEERING

Feasibility Studies for Land Use; ADA Audits & Design; Road & Sidewalk Design; Utility Design & Coordination; Storm and Sanitary Sewer Design; Grant Applications; Flood Studies; Storm Water Quality & Quantity Management; Preliminary & Final Design; Paving & Grading Design; Construction Cost Estimates; Construction Inspection

TRANSPORTATION ENGINEERING

Feasibility/Alternative Studies; Preliminary and Final Design; Bridge Engineering; Highway/Road Engineering; Pavement Evaluation and Design; Permanent Slope Protection; Utility Relocations; Traffic Engineering, Traffic Studies, Intersection Studies; Signal Design

Kuhlmann *design* Group, Inc. is in the business of transforming ideas into solutions. Our designs start with you. The responsibility of discerning our clients' needs, goals, and vision requires careful listening and natural inquisitiveness. Transforming your vision to the built environment is the foundation of our philosophy and design process.

We understand the responsibilities entrusted to us. The design, development, and construction of a project represent a tremendous expense of resources both in time and money. It is our goal to optimize these resources.

Discipline is necessary in successfully fulfilling our responsibility. To that end, we have developed the following:

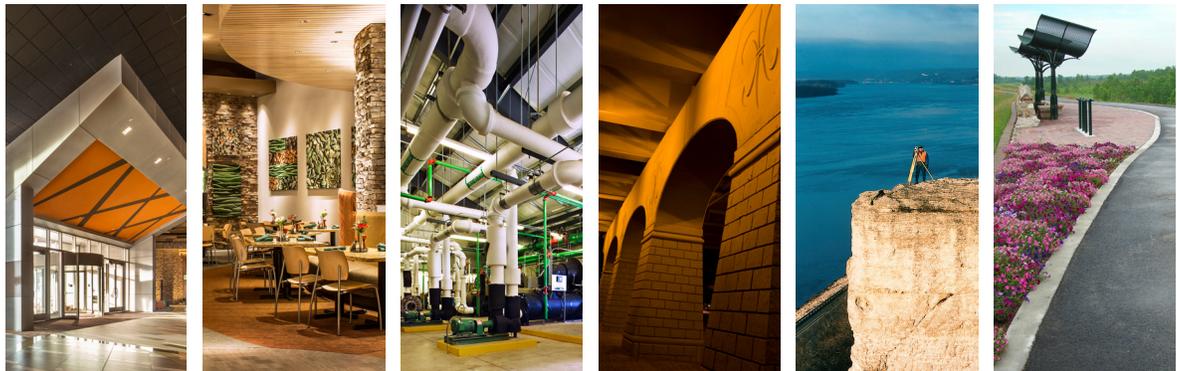
DESIGN PHILOSOPHY

Our Creative Process:

- Carefully listen and gather programmatic information from all users.
- Develop an insightful understanding of the project purpose.
- Discuss options with the client.
- Build consensus through a collaborative effort.
- Blend diverse input from client expertise and both design and technical staff.
- Clearly state design objectives and project goals.
- Present concepts and designs with artistry.

Our Design Solutions:

- Meet practical needs with creative solutions.
- Tailor solutions that fit the clients' needs, goals, and personality.
- Enhance the lives of all occupants and the community.
- Respond to local surroundings and respect the environment.
- Express an aesthetic character appropriate to the projects use.
- Solve problems, rather than create new ones.



Kuhlmann *design* Group, Inc. (KdG) uses AutoDesk Revit, Architecture, and Civil 3D for the production of Construction Documents within the Architectural, Structural, Mechanical, Electrical, and Civil/Surveying departments. Civil, Survey, Roadway and Bridge projects are designed in Microstation and GeoPak.

The hardware and software utilized by KdG for construction documents is as follows:

SERVERS

- Windows Data Servers (Redundancy within each office)
- Windows 2003 Exchange Server
- Windows 2008 Web Server

COMPUTER AIDED DRAFTING AND DESIGN

- CAD Workstations utilizing Windows Operating Systems
- Autodesk Revit 2013 - Architectural, MEP, Structural
- Autodesk NavisWorks Manage 2013
- AutoCAD (Including Architectural 2013 and Civil 3D)
- Microstation V8 and GeoPak

SPECIFICATIONS/DOCUMENT SOFTWARE

- BSD Specklink-E Specifications
- AIA Document Software
- Microsoft Office 2003/2007

GRAPHICS SOFTWARE

- Adobe Photoshop CS5
- Autodesk 3DS Max Design 2013
- Microsoft PowerPoint Graphics
- V-RAY 2.0
- V-RAY RT
- Adobe Master Collection CS5
- Animation and rendering farm
- 7 dedicated dual chip rendering servers

PROJECT MANAGEMENT SOFTWARE

- Microsoft Project Management and Control
- Primavera Sure Trak Project management and control
- Newforma

EXPERIENCE

Autodesk Revit Architecture Certified Professional on staff
Version 2011, 2012, and 2013