cole

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November 15, 2013

TO: Missouri Department of Transportation / ATTN: MaryAnn Jacobs / 1590 Woodlake Drive / Chesterfield, MO 63017-5712

RE: Sidewalk & Trail Design Services / LPA On Call

Cole & Associates, Inc. is very interested in continuing to provide professional sidewalk and trail design services for Missouri's Local Program (LPA) in response to the solicitation for on-call services. The following Letter of Interest will detail our qualifications in the categories of criteria required by the solicitation. We appreciate your consideration of our firm and are confident that we can meet the needs of the program. Should you have any questions, please do not hesitate to contact Robert G. Butchko, PE, Executive Vice President/Director of Engineering / bbutchko@colestl.com / (314) 808-5050 (cell).

General Experience of Firm: Cole is as a multi-disciplined firm providing civil engineering, land surveying, planning, and landscape architectural services with a 22 year history of providing quality professional services to governmental agencies, developers, and owners of residential and commercial properties. To best service the metro area, we have two offices located in the City of St. Louis and the City of St. Charles with a staff of over 35 which includes eleven professional engineers, two EIT's, four professional land surveyors, and two registered landscape architects as well as CADD drafting, 3D modeling, technology, and administrative support staff.

As demonstrated by our past performance, our extensive experience designing federally funded LPA projects includes work for several local municipalities and agencies. We have completed sidewalk and trail/pedestrian walkway projects according to the LPA process for the City of St. Charles, City of St. Louis, City of Lake St. Louis, City of Hazelwood, St. Charles County, St. Louis County, Great Rivers Greenway, and Rise (previously RHCDA). Our familiarity with the LPA process and various funding sources has provided these public entities with ease of mind and efficiency in delivering an effective solution.

ADA compliance is a necessity with sidewalk and trail design. Cole has ADAAG & PROWAG experts on staff who can ensure that the 2010 standards and reguations are being met. In addition, our in-house landscape architecture capabilties add a level of feasibility to the project by utilizing aesthetics and landscape and hardscape details to seamlessly blend into the engineering design.

Workforce Diversity: Cole has made diversity in our workplace a priority in staff additions and our current staff consists of 17% Women and 3% Minority, with staff addition commitments for this spring to increase our Minority to 6%.

Past Performance: Cole's technical competence and extensive familiarity with federally funded sidewalk and trail design has resulted in a strong history of producing quality projects that meet specific criteria and goals. This familiarity allows to utilize our knowledge of requirements and design standards to deliver a successful project that meets agency and stakeholder expectations. The below examples will demonstrate this experience in a detailed listing of similar projects that are either currently on schedule or were completed on time and within budget.

Freymuth Road Sidewalk / City of Lake St. Louis, MO - This LPA improvement project included 1,800 feet of new ADA compliant sidewalk, new decorative pavers, retaining walls, new curb and entrance approaches, park benches and decorative sidewalk lighting. Completed 2013.

South Broadway / City of St. Louis - Cole was selected by the City of St. Louis, Board of Public Service, to provide professional design services for street improvements on South Broadway from East Courtois to Upton. The project was funded through the American Recovery and Reinvestment Act (ARRA). Enhancements included sidewalk and curb ramp reconstruction, ADA accessibility, hardscaping, landscaping, street furniture, and street overlay. Cole provided design, construction, construction management, and testing. This project was designed on schedule with an aggressive design schedule due to the ARRA funding requirements. Completed 2010.

Defiance Pedestrian & Bicycle Trail / St. Charles County, MO - This improvement effort includes approximately 2100 lineal feet of right-of-way improvements including shoulder widening, pedestrian sidewalks, bike trail, crosswalk, and traffic island design. In addition, extensive landscaping, inclusion of one pedestrian bridge, railing enhancements, bench, bicycle rack and solar powered pedestrian level lighting was also included. This project was designed under an aggressive design schedule in order to comply with Federal ARRA Funding schedule requirements. Completed 2010.

Lake Saint Louis Boulevard Improvements / City of Lake St. Louis, MO - Cole was selected to provide STP Permit preparation for this project which includes the pavement re-surface or reconstruction of approximately 5,106 feet of concrete roadway and replacing the existing section with a two-lane avenue. The project also includes a landscaped center median, mixed use trail, landscaped parkway and turn lanes plus the overlay of approximately 13,651 feet of existing asphalt. The project also included a mixed use trail, landscaped parkway and center median, conceptual lighting location, adjacent property screening, sidewalk design, special pavement design, and coordination with MoDOT. Completed 2009.

Main Street / City of Cottleville, MO - Cole was selected by the City to provide professional design services for street improvements along Main Street, between Chestnut and Oak Street. The improvements included new 2-way street, angled and parallel parking, sidewalk, retaining walls, brick pavers, decorative street lights, ADA accessibility and landscaping. The project is still under design and Cole is working with the St. Charles County Road Board on trying to secure road board funds to help fund the project. Project under design.

Third Street & Tecumeh / City of St. Charles, MO - This STP funded project consisted of the addition of a roundabout to replace an inefficient intersection that has confusing traffic movements. Cole prepared construction and right-of-way plans for these improvements which included pedestrian walks, crosswalks, a small plaza, fountain and sculpture elements, plant material, and lighting locations. Completed 2010.

McDonnell Boulevard / City of Hazelwood, MO - This LPA project consisted of the design of approximately $400,000 in improvements including landscape plant material enhancements on all four overpass slopes and the r.o.w. open space areas at the elevation of McDonnell Boulevard above Interstate 270. Cole schematically designed and detailed a decorative barrier and signage elements atop both sides of the bridge to announce entry into the City along with a raised pedestrian walk. Drainage areas were conceptualized as visual amenities and were designed to utilize alternate rock and rip rap sizes to create a visual pattern and act as a storm water diffuser for the 4.5 acre site. Project under design.

Centennial Greenway / Great Rivers Greenway - Cole was responsible for civil design and utility relocations for Great River Greenway's District trail system from Forest Park at Skinker Boulevard in University City, MO, through the Washington University Campus to a connection with the existing trail system north of Delmar Boulevard. ehicular circulation, pedestrian safety, and ADA compliance design. Completed 2012.

Crown Square / Rise - This project transformed 14th Street in St. Louis City with new pedestrian and bicycle paving, bicycle storage, lighting, street furniture, and landscape. Bump outs were included in the design to reduce crosswalk travel distance for disabled pedestrians and ADAAG standards were followed for sidewalk and curb ramps. Cole was responsible for the civil engineering and landscape architectural for the site, street, and streetscape design on this 76,000 square foot project. It received STP federal funding and multiple grants including MoDOT Transportation Improvement Program. Completed 2010.

ADA Transition Plan / City of Clayton, MO - The project included examination of the existing conditions of pedestrian access routes to assist Clayton in achieving ADA compliance. Data was collected on 60 miles of sidewalk, 850 curb ramps, and 150 signals, and 30 islands in the City. An ADA transition plan will be prepared which includes a prioritized list of barriers and estimated annual budget for removal. Sidewalk inventory was conducted using highly accurate and cost effective tools which involve a ULIP (Ultra Light Inertial Profiler) mounted on a segway. Project underway.

Qualifications of Personnel: We have assembled a team of highly skilled and motivated professionals who deliver attention to detail, personal service, and commitment to total quality management. Several members of our staff are familiar with the LPA process and can demonstrate a record of meeting the criteria and goals set forth for such projects. Our team is adept at taking these requirements into consideration at the onset of the project to ensure there will be no delays and minimal administrative work.

Jim Roth, PE / Vice President Engineering - Mr. Roth has 16 years of experience and is responsible for overseeing projects that require expedient and sustainable solutions for streetscapes and trails as well as complex land development projects. His experience includes sidewalk design, curb enhancement, ADA accessibility, drainage, utilities, agency coordination, and client interface. His applicable project management experience includes:

- Washington University in St. Louis, MO - 1,200 feet of new ADA accessible sidewalk for shared use by pedestrians, bicycles and emergency vehicles. Also included pedestrian safety, vehicular auto-turn analysis, pervious pavement, and design of bicycle parking nodes around campus.
- Centennial Greenway East in University City, MO - Responsible for civil design and utility relocations for Great River Greenway's District trail system from Forest Park at Skinker Blvd to the Washington University Campus to a connection with the existing trail system north of Delmar Blvd.

Tim Baker, PE / Senior Project Manager - Mr. Baker has 22 years of experience in the civil/municipal engineering field which includes the St. Louis County Highway Department, and City of St. Charles, MO. Tim has a keen understanding of the federal funding process and has been involved in several transportation projects at Cole including roadways, highways, intersections, streetscapes, and sidewalks. Tim has received LPA certification. His applicable project management experience includes:

- Freymuth Sidewalk in Lake St. Louis, MO - This LPA improvement project included 1,800 feet of new ADA compliant sidewalk, new decorative pavers, retaining walls, new curb and entrance approaches, park benches and decorative sidewalk lighting.

Jeremy Roach, RLA / Director of Planning & Landscape Architecture - Mr. Roach has over 20 years of landscape architectural experience and is responsible for conceptual master planning phases through construction documentation. His planning and design experience includes trails and streetscapes that address sidewalk enhancement, pedestrian safety, beautification, connectivity, and sustainable elements such as water quality, green space, and reusable resources/materials. He managed the landscape architectural aspects for all federally funded projects on the previous pages and has also served as project manager on the below:

- Centennial Bridges in St. Charles County - Collaborating with Great Rivers Greenway on the Centennial Bridges trail masterplan. Plant material additions, aesthetic improvements for pedestrian bridge design, trail connections, and plantings within adjacent residential common ground.
- Crown Square in St. Louis, MO - Landscape architectural efforts of streetscape design, landscape, and paving of sidewalks and pedestrian areas and bicycle paths. Instrumental in open space planning/design and safety measures for this 76,000 s.f. project.
- Pedestrian & Bicycle Trail in Defiance, MO - Responsible for pedestrian sidewalks, bike trail, crosswalk, and traffic island design, landscaping, pedestrian bridge, railing enhancements, bench, bicycle rack and solar powered pedestrian level lighting on this ARRA funded project.

Additional Cole staff with experience in sidewalk and trail design includes: Mike Vonderheide, PE / Senior Project Manager (30 years); Chad Janson, PE / Senior Project Manager (18 years); Joe Horvath, RLA / Landscape Architect (10 years); and Robert Genta / Senior Designer (33 years).

Familiarity/Capability: Our familiarity with the guidelines and processes of federally funded projects and our experience working extensively with local public agencies allows us to understand the regulations, order, and required presentation of plans. We have managed projects that received Federal Transportation Program funding including STP and ARRA funds. In addition to those listed on the previous page, this work includes Crown Square, a 2-block mixed-use urban redevelopment project, and the Third and Tecumseh Street Roundabout in the city of St. Charles, as well as South Broadway, a streetscape improvement project in St. Louis, MO, and the Defiance Pedestrian and Bicycle Trail; both of which were designed under an aggressive design schedule in order to comply with ARRA schedule requirements. This experience has allowed us to become precise at adhering to policies and adept at maintaining an efficient process while ultimately keeping the project on schedule.

Accessibility: Cole has a stringent process in place to schedule, monitor and estimate time needed versus staff and subconsultant availability to meet project schedules. Our staff is committed to devoting the time and resources necessary to complete the project in a timely, efficient, and professional manner. We are known for our flexibility, responsiveness, and quality of work as demonstrated by the following quotes:

- John Collins, City of Ellisville regarding MarEl Court: "This was the first municipal street project to comply with new MSD water quality regulations. Cole was instrumental in developing a solution that complied with both the objectives of the City's street improvement program and MSD requirements. I look forward to working with Cole on future improvement projects."
- Derek Koestel, PE, City of Lake St, Louis regarding Freymuth Sidewalk: "We really appreciated Cole's work on this project. It turned out very nice."

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Firm Overview

"Mar El Court was the first municipal street project to comply with the new water quality regulations by the Metropolitan St. Louis Sewer District. The reconstruction had to meet MSD standards in order to obtain design approval. The City relied heavily upon Cole's knowledge of stormwater regulations and guidance with the MSD approval process.

Cole was instrumental in developing a solution that complied with both MSD regulations and the City's street improvement program. In addition, they assisted the City in researching various best management practices. We look forward to working with Cole on future improvement projects."

John Collins
Assistant City Engineer
City of Ellisville

Firm's Background

Cole focuses on providing planning, civil engineering, land surveying, and landscape architecture services of the highest professional caliber to governmental agencies, developers, and owners of residential and commercial properties. Since its inception in 1991, Cole has expanded its midwest presence and has grown from a single office headquartered in St. Louis, MO to offices in St. Charles, MO, Dallas, TX, and most recently, Phoenix, AZ. With a staff of 35 licensed in nearly 40 states, Cole's extensive experience with commercial, municipal, and residential projects represents a strong, versatile, and experienced organization proficient in providing quality and responsive services nation-wide.

Cole's strength is grounded in the value we bring to projects through our multi-disciplined approach. We are unique in the sense that we can provide all traditional planning services in complete integration with our engineering, survey, and landscape architecture group. We understand that decisions made early in the design process have a direct impact on a project's feasibility. This forward thinking is critical in saving our clients time and money. Our multi-disciplined approach also reaches beyond our in-house capabilities to our teaming partners in architecture and construction and has direct impact on authenticity of design, site constructability, and sustainability.

Cole is committed to our clients. We utilize proven methods to ensure staff resources are consistently available by performing regular quarterly projections on future design and survey work using a rolling monthly analysis. We also believe it is important to monitor the design concept goals as well as the technical details of every project. Our strict QA/QC process provides quality control reviews on all products before they leave our office. Cole understands that clear and timely communication is one of the most important factors contributing to a project's success. Our entire team is dedicated to keeping the client and stakeholders abreast of a project's progress.

Contact:

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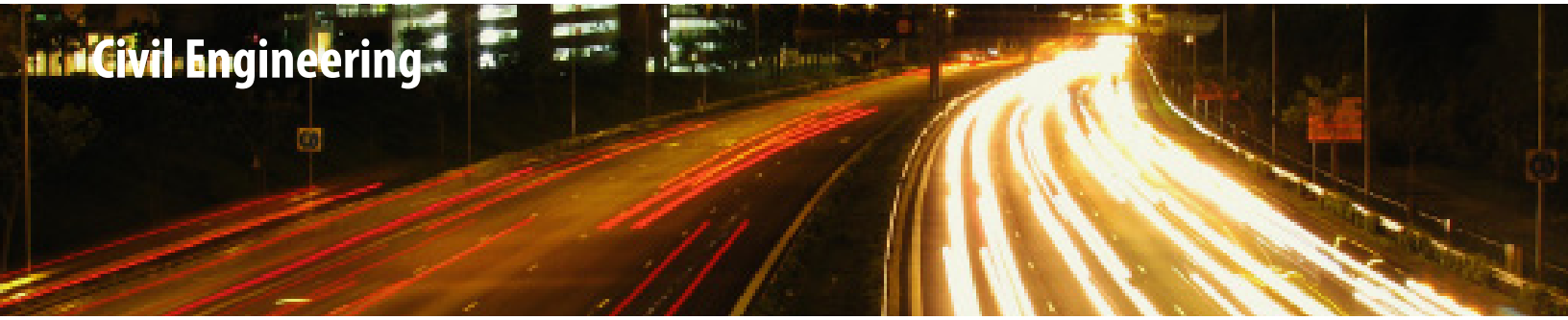
Disciplines of Expertise



Civil Engineering

SERVICES

Roads + Streets
Pump Stations
Sanitary Sewer
Infrastructure Studies
Utility Planning
Stormwater Management
Erosion + Sediment Control
Feasibility Studies
Site Analysis
Water Quality Design
Land Value Determination
ROW & Easement Negotiation
Construction Inspection

Cole's engineering group combines a strong network of talented professionals with real world experience and a solid background touching a wide variety of project types.

Since 1991, we have built a strong reputation on our ability to complete projects right the first time—often ahead of schedule. Our clients recognize us for our quality control process which yields outstanding results. On every project we monitor the design concept goals as well as the technical details of the project to ensure that compliance with goals, objectives, and specific directives are effectively met.

Cole's strong ethics combined with unmatched engineering experience and relentless attention to detail provides clients with the unique ability to break ground ahead of schedule, thus reducing time wasted and money spent.

Surveying

SERVICES

ALTA / ACSM Land Title Surveys
Topographic Surveys
Engineering Design Surveys
Boundary Surveys
Construction Staking

Merging the latest technologies with some of the most experienced personnel in the industry, Cole's surveying group sets the standard for the industry. We produce highly accurate results for our clients utilizing the latest innovations, such as:

- *GPS*
- *Total Stations & Robotic Stations*
- *Static Surveys*
- *Real-time Kinematics*
- *Automatic + Electronic Levels*
- *Digital Surface Modeling*

Cole offers a full range of land surveying services to clients in the residential, commercial, and municipal sectors. We specialize in jobs that require a fast turn-around, keeping you on schedule providing all plans, information, and expertise necessary to finish your project.

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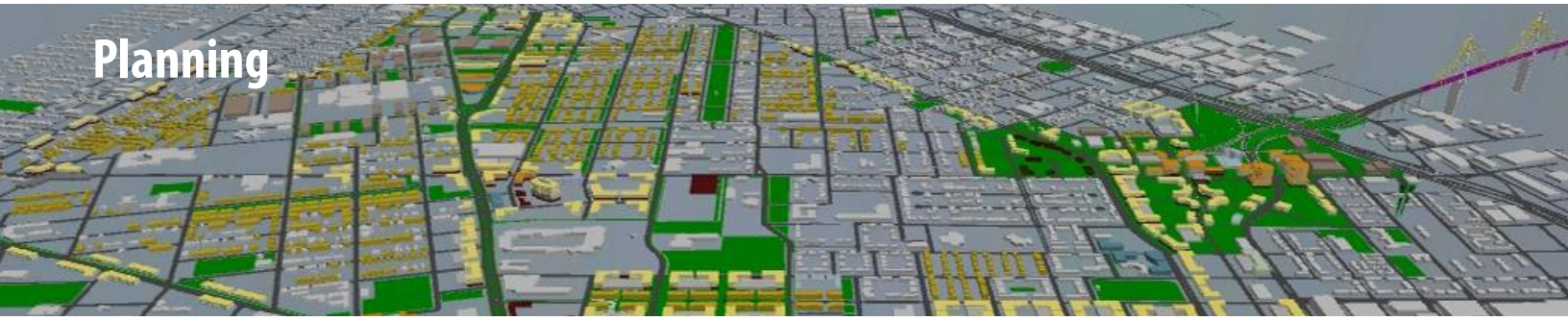
Disciplines of Expertise



Planning

SERVICES

Commercial Master Planning
Mixed Use Master Planning
Residential Land Planning
Residential Landscape Planning
Streetscape Design + Planning
Park + Open Space Planning
Corporate Development
Institutional Development
Municipal Development

At Cole, we take great pride in the quality of our work on every project. To ensure this high level of success, our team begins every project with a solid plan designed to meet the client's specific objectives. Working independently, or seamlessly integrated with surveying and engineering, our planning group effectively serves the municipal, commercial, and residential markets. Cole combines strong design with commercial realism to produce coherent and cohesive master plan strategies. We are unique in the sense that we provide all of the services traditionally associated with master planning for a wide variety of project types and sizes.

After working with the client to determine specific goals, the final plan developed by Cole is a direct reflection of your project's theme and identity, as well as a program and site analysis. The end result? Your vision becomes reality sooner.

Landscape Architecture

SERVICES

Landscape Design
Garden Design
Site Selection
Site-Specific Design
Programming
Master Planning
Architectural Massing Studies
A/E Design Coordination
Inventory + Analysis

Cole creates and implements landscape architectural designs that are sustainable, easily accessible, and seamlessly integrated into the surrounding context and communities. Our landscape architecture specialists can solve your specific landscaping challenge, or work as a team with our surveyors and civil engineers to prepare an entire site for construction. We work closely with commercial/custom builders for new construction as well as owners of established residences and buildings.

Our goal is to create an image through professional landscape design and construction that goes beyond typical materials and landscape elements—we'll collaborate with you to create an atmosphere that's a direct reflection or your company and your mission.

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Specialized Services

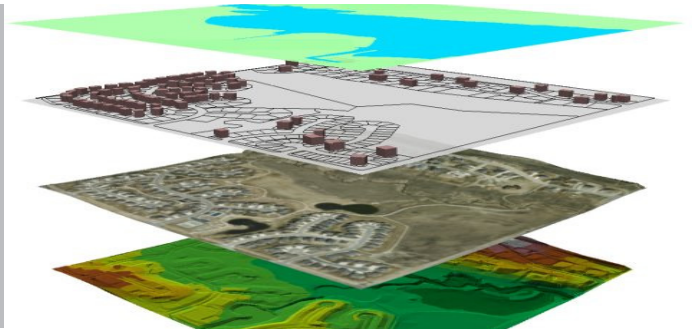
ADA Compliance & Design

SERVICES

ADA Accessibility Design
ADA Compliance Analysis
ADA Transition Planning
Self Evaluations

Cole provides site planning that programs all ADA accessible routes from the public right of way and ADA accessible parking stalls. ADAAG standards are consistently considered throughout the entire design process to ensure projects are compliant when built. Cole also assists government agencies with the preparation and implementation of ADA transition plans which requires the inventory of public infrastructure including sidewalks using the latest technology.

GIS



SERVICES

GIS Mapping
GIS Database
AutoCAD Software
ESRI Software

Cole combines mapping grade GPS units with GIS (Geographical Information Systems) to more accurately gather, store, process, and deliver geographic information. This provides the tools for creating, visualizing, and interpreting data associated with developing and managing utility and infrastructure projects. The use of GIS streamlines the collection, tracking, and real-time analysis of geographic data. Cole can create electronic maps that identify priority areas, reveal patterns, track maintenance or construction schedules.

3D Visualization Modeling

SERVICES

Real-world Elevations
Flyover Animations

Cole uses visualization models to illustrate design concepts in 3D and communicate a project's vision to all parties involved including owners, project stake holders, investors, and the general public. Varying levels of models are provided ranging from concept sketches or schematics to full blown realistic renderings and motion picture-like animations simultaneously depicting topographical changes, building heights, characteristics, and landscape.