

October 12, 2015

LPA On-Call Professional Services | Construction Inspection

AECOM Technical Services, Inc. (AECOM) is pleased to submit our qualifications for LPA On-Call Professional Services for Construction Inspection. **AECOM has the expertise in construction services and inspection for federal funded roadways and bridges.**

General Experience of Firm

URS Corporation joined the AECOM family of companies on October 17, 2014. AECOM is a premier, fully integrated professional and technical services firm positioned to design, build, finance and operate infrastructure assets around the world for public- and private-sector clients. The firm’s global staff — including architects, engineers, designers, planners, scientists and management and construction services professionals — serves clients in over 150 countries around the world, AECOM is ranked as the #1 engineering design firm by revenue in *Engineering News-Record* magazine’s annual industry rankings, and has been recognized by *Fortune* magazine as a World’s Most Admired Company. The firm is a leader in all of the key markets that it serves, including transportation, facilities, environmental, energy, oil and gas, water, high-rise buildings and government. AECOM provides a blend of global reach, local knowledge, innovation and technical excellence in delivering customized and creative solutions that meet the needs of clients’ projects. A *Fortune* 500 firm, AECOM companies, including Corporation and Hunt Construction Group, had revenue of approximately \$19 billion during the 12 months ended June 30, 2015.

Our reputation for successful construction management and our ability to provide superior resources with a multitude of disciplines sets us apart from our competitors. AECOM is currently ranked #1 on *Engineering News-Record’s* Top 20 Combined Design and Construction Management firms list and ranked #2 on the Top 50 Program Management firms list.

We consider it important that the AECOM Team provide flexibility and reliability to our LPA clients to deliver each construction inspection assigned project within what may be aggressive schedules. Once a project is assigned, we will determine the project-specific organization structure and team members with the technical expertise and the appropriate staffing level necessary to successfully complete the project. We believe that all project components are interrelated and should be considered and coordinated to achieve project success.

Missouri Services

Our office in St. Louis and Kansas City as well as Overland Park, KS, have been serving Missouri clients for over 50 years. The MO-KS offices are staffed with over 290 multi-disciplined professionals - engineers, planners, geologists, scientists, architects, construction managers, technicians, operations and maintenance specialists, and administrative personnel. **Our construction managers, construction inspectors and engineers have provided their professional expertise for thousands of miles of roadways and highways within Missouri.**

Missouri Experience

AECOM has provided engineering and/or construction management services for a variety of municipalities and counties, including:

- | | | | | |
|----------------------|---------------------|--------------------------|---------------------|--------------------|
| City of Arnold | City of Crestwood | City of Kirkwood | City of Rolla | Boone County |
| City of Bridgeton | City of Elsberry | City of Maryland Heights | City of St. Charles | Franklin County |
| City of Chesterfield | City of Eureka | City of Mexico | City of St. Louis | St. Charles County |
| City of Clayton | City of Festus | City of O’Fallon | City of Washington | St. Louis County |
| City of Columbia | City of Kansas City | City of Pacific | City of Wentzville | MoDOT |

Past Performance

AECOM has effectively supported numerous communities with construction inspection and management services including the following: *All projects were completed by which became a part of the AECOM family of companies in October 2014.*



WALKER LAKE IMPROVEMENTS | CITY OF KIRKWOOD, MO provided construction management services for improvements including trails, parking lot and pedestrian bridge relocation. performed biddability and constructability reviews of construction documents including plans, specifications and the opinion of probable cost. All comments were then adjudicated to the satisfaction of the client and bid documents produced. During the construction phase, provided periodic inspections, coordinated third party geotechnical and materials testing, documentation, conducted progress meetings, processed pay applications, RFIs, RFP, DCRs, shop drawing submittals, change order management and project closeout.



ROUTE N IMPROVEMENTS | CITY OF PACIFIC, MO | FEDERALLY FUNDED This project involved reconstruction and widening of Route N and St. Louis Street, which are two-lane facilities including shoulders with concrete curb and gutter and enclosed drainage. This portion of Route N serves as a direct connector to the City of Pacific's downtown area, and experienced heavy pedestrian traffic. Accessibility, both during and after construction, was a primary concern for City staff. provided services during construction including review of bids, change orders, schedule, shop drawings, site visits and RFIs.



FOREST PARK MASTER PLAN IMPLEMENTATION | CITY OF ST. LOUIS, MO Program and construction management services for the implementation of this national award winning Master Plan. Relevant projects included roads, bridges, parking lots, and trails. role covered all facets of management starting with pre-design, pre-construction and construction phase services. Specific services, including scheduling, cost estimating, design management including constructability and completeness reviews, monitoring construction, change order processing, quality assurance services, monitoring and processing progress payments. All projects were completed while Park Institutions continued to operate.



1ST STREET NORTH | CITY OF PACIFIC, MO | FEDERALLY FUNDED This STP funded project involved reconstruction and widening of 1st Street which is a two-lane facility including shoulders with concrete curb and gutter and enclosed drainage. Lighting design was also provided for ornamental lighting enhancements. 1st Street provides the primary north-south route through downtown Pacific. The design balanced minimizing impacts to adjacent businesses and residences while still meeting the project goals. provided services during construction including review of bids, change orders, schedule, shop drawings, site visits and RFIs.



JEFFERSON AVENUE EXTENSION | CITY OF PACIFIC, MO | FEDERALLY FUNDED This street connects Route F and Denton Road in the City of Pacific and is situated just outside a residential area and an industrial park. This half-mile connector crosses a portion of the Meramec River flood plain and had to be designed to comply with the no rise policy of the Corps of Engineers. The street included shoulders on both sides and a bicycle path. provided services during construction including review of bids, change orders, schedule, shop drawings, site visits and RFIs.



DUAL PATHWAY SYSTEM - FOREST PARK | FOREST PARK FOREVER, ST. LOUIS, MO prepared design plans for the Dual Path System in Forest Park, which consisted of five miles of separated soft surface "Heels" and hard surface "Wheels" paths. One of the Park's primary goals for the Dual Pathway system was to provide a path that would be accessible to all. Therefore, provided horizontal and vertical design of the proposed path to meet ADA accessibility requirements while remaining sensitive to the goals of the Forest Park Master Plan. The pathway traversed the Park with minimal impacts to topographic features including trees and existing utilities while remaining aesthetically pleasing. The design team was also responsible for preparing the preliminary/final plans, and for presenting the design to the Forest Park Advisory Board to ensure conformity with the Park's Master Plan.

Qualifications of Personnel

The following are key personnel with demonstrated success in managing federally funded projects for a variety of municipal clients and have the experience and technical expertise to successfully complete construction services and inspection projects of all complexities.

Jo Emerick, PE | LPA-Certified has over 35 years of experience in civil and transportation engineering encompassing design, construction and management responsibilities. Jo has managed an on-call contract at Lambert-St. Louis International Airport for the last seven years. She has directed almost 80 task orders addressing roadway, bridge, parking lot and garage improvements providing services during construction including pre-construction meetings, review of schedule, change orders, shop drawings, RFIs, and field inspections. Jo also serves as the Contract Village Engineer for the Village of Godfrey where she reviews plans and construction for Village roadway projects and new development. Jo has an extensive understanding of MoDOT's LPA Manual, and has received MoDOT certification for LPA projects.

JC Murray, PE | LPA-Certified has 15 years of experience in transportation engineering and design. His areas of expertise include roadway design, transportation engineering, hydraulic design, site development and construction services. His experience includes support of construction engineering, design-build projects, roadway realignments, intersection improvements, ADA sidewalk improvements and familiarity with federal, state, and local agency design standards. JC recently assisted with providing construction inspection for roadway projects in Pacific, MO.

Jeff Marchetto has 30 years of experience in the management and field inspection of site, civil and infrastructure projects. This experience includes management of capital projects including transportation, public parks, wastewater treatment facilities, building construction and renovation, and multiple project programs. Many of the projects are task inclusive of preparing invitations for bids, requests for proposals, contracts, and managing and inspecting the work

Michael Johnson, PE has 13 years of experience in geotechnical, field laboratory testing, and construction monitoring, as well as geotechnical analysis and design. Michael has conducted laboratory and field tests for soil, concrete, air and backfill for a variety of projects.

Familiarity | Capability

The AECOM Missouri/Kansas offices have a wide-range of experience delivering projects that utilize federal funding including STP funds. This experience has given us the knowledge and relationships with the governing and review agencies, including Missouri Department of Transportation (MoDOT), East-West Gateway Council of Governments, St. Louis County Department of Highways and Traffic, St. Louis Metropolitan Sewer District (MSD), and also the Ozark Transportation Organization.

LPA Experience

AECOM has successfully worked with local municipalities and counties to provide services during construction. Our staff is knowledgeable of the requirements for projects utilizing federal funding and understands the importance of complying with all requirements to ensure reimbursement of funding.

Schedule and Cost Control

Our construction inspection staff provides the project controls, administration, and field oversight to manage work from the bid phase through closeout. AECOM verifies that contractor schedules have logical work sequences and appropriate resources and activities before we incorporate their data into our master schedule.

We use cost-loaded schedules to monitor cost trends and develop “real-time” cost projections. We audit and update the master schedule weekly so you always have an accurate snapshot of construction progress. AECOM “builds the project on paper” before site work commences. We develop site logistics to evaluate phasing options and resolve potential problems with traffic, parking, materials delivery, and staging in advance.

Quality Control

Once on site, we monitor contractor activities to confirm that quality and safety measures are carried out and that inspections and tests are performed as required to comply with LPA guidelines. We work closely with contractors to resolve field issues and mandate timely responses to requests for information, change notices, and similar items. We coordinate site work and resolve potential change orders with a “fair, but firm” approach. At the end of construction, we handle punch lists and closeout issues to facilitate the transition to occupancy and operation of the new facility.

Accessibility

AECOM has local and available staff that will serve each project in our Missouri/Kansas Operations. Depending on the project, regularly scheduled internal team meetings with task leads and critical staff will take place in the local office. Our staff will be available for team and core meetings as dictated by schedule and project issues. The frequency and location of team meetings and core team meetings will be defined in AECOM's Project Execution Plan and distributed to all team members to define project and client expectations. has three offices across the state of Missouri that can serve our clients with roadway design services.

Thank you for reviewing our letter of interest. We look forward to discussing our capabilities in further detail with you.

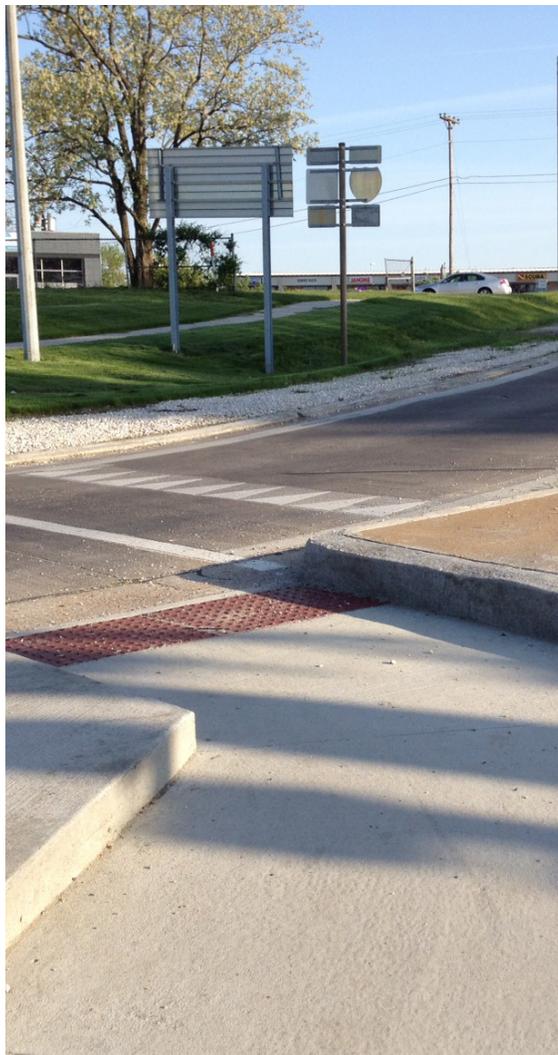
Sincerely,

AECOM



J.C. Murray, PE
Transportation Department Manager
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Transportation and Construction Services *for LPA projects*



Roadway Design

AECOM has prepared environmental assessments, design reports, locations studies, right-of-way plans, signing and pavement marking and construction plans for several hundred miles of arterial and urban highway improvements. In many instances, particularly in urban areas, the method of sequencing and extent of improvement is significantly influenced by the need to maintain traffic on existing facilities. Our staff has significant experience in the design and construction of projects in highly populated communities.



Capabilities

- Geometric Design
- Maintenance of Traffic
- Resurfacing
- Environmental Clearance
- Lighting
- Sidewalks
- Parking Lot Design
- Widening
- Hydraulics
- Cost Estimating
- Geotechnical
- Construction Services
- Environmental
- Utilities and Stormwater

Traffic/TEAP Operations

As traffic engineers, AECOM has prepared traffic studies and TEAP projects varying in size from detailed studies for City of Mexico, City of Maryland Heights, City of Columbia, and City of St. Charles. In addition to conventional street and highway traffic analysis and design, our staff has extensive experience in traffic safety studies, parking needs analysis and design of parking structures.



Capabilities

- TEAP Studies
- Traffic Analysis
- Traffic Signal Design
- Intersection Design
- Safety Studies
- Parking Needs Analysis
- Signage
- Lighting
- Cost Estimating
- Construction Traffic Handling

Transportation Planning

Planning of transportation systems is a critical infrastructure component for urban and rural areas. Transportation solutions for growing areas have to address complex needs, while maintaining the quality of life and natural resources of the community. In performing transportation planning for public and private clients, AECOM applies state-of-the-art methods within a planning process that responds to the specific needs of each client. AECOM has extensive experience in all aspects of transportation planning.

Capabilities

- Regional and Comprehensive Transportation Plans
- Noise and Air Quality Conformity Plans
- Travel Demand Mgt
- Corridor Studies
- Multimodal Studies
- Circulation Studies
- Pedestrian Studies
- Parking Studies
- Traffic Studies
- Transit Studies
- Toll Studies

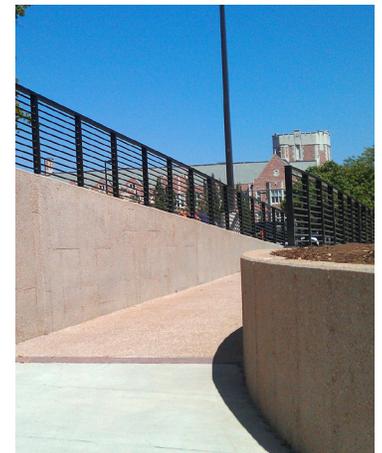


Structures

The staff of AECOM have designed numerous interstate, urban, local and rural bridges using steel plate girders, steel wide flange beams, reinforced concrete, and precast prestressed concrete deck beams and I-beams.

Capabilities

- Feasibility and Planning Studies
- Site Explorations
- Structural Design and Evaluation
- Geotechnical Engineering
- Environmental Clearance
- Hydraulics
- Construction Documents
- Cost Estimates and Schedules
- Construction Phase Services



2015 ENR RANKING

- #1 DESIGN FIRM
- #1 TRANSPORTATION
- #1 HIGHWAYS
- #1 GENERAL BUILDING
- #1 ARCHITECTURE
- #1 DESIGNER INTERNATIONAL MARKETS

AECOM was ranked #1 on the *Engineering-News Record* (ENR) Top 500 Design Firms. AECOM is consistently ranked among the top design and engineering firms worldwide.

Pedestrian and Bike Trails

For over many years, AECOM has been deeply rooted in meeting the nation's infrastructure, providing planning and design services for all types of urban and suburban cores, trails and greenways, and natural areas. We have expanded our services to meet the changing infrastructure needs of the nation and the world, while developing a solid reputation for designing within budget and on schedule, complementary to cultural and economic demands, and in harmony with natural features.



Capabilities

- Environmental Clearance
- Bikeway/Trail Design
- Sidewalks
- Landscape Design
- Rest Area Design
- Streetscapes and Complete Streets
- Surveying
- Agency Coordination

Geotechnical

The AECOM team brings over 50 years of geotechnical engineering experience. AECOM St. Louis is home to our Corporate Center of Excellence for Geological Services. Consequently, AECOM has extensive local knowledge and experience working throughout Missouri and understands the geology and challenges associated with transportation projects.



Capabilities

- Slope Stabilization
- Erosion/Sediment Control
- Foundation Engineering
- Groundwater Mgt
- Geotechnical Instrumentation
- Laboratory Testing
- Field Investigations
- Construction Monitoring
- Seismic Evaluations and Retrofits

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Capabilities

- Geotechnical Work
- Sampling and Testing
- Shop Drawings
- Construction Observation
- Contract Administration
- Scheduling
- Constructability Reviews

Community Involvement

A project's success often depends on the public's perception of it. AECOM helps build on existing community ties to enhance the public cooperation and dialogue that keep a project moving forward. We provide various levels of assistance, from rapid consultation to complete management and execution of the community relations effort, tailoring each program for the individual project.

Capabilities

- Open Houses
- Public Meetings
- Small Group
- Individual Meetings
- Advisory Committees
- Newsletters
- Fact Sheets
- Stakeholder Committees
- Surveys and Interviews
- Media Briefings
- Web Sites
- Toll-Free Numbers



Missouri/Kansas Locations

St. Louis, Missouri Office
1001 Highlands Plaza Drive West
Suite 300
St. Louis, MO 63110

Kansas City, Missouri Office
2380 McGee Street
Suite 200
Kansas City, MO 64108

Overland Park, Kansas Office
8300 College Boulevard
Suite 200
Overland Park, KS 66210

For more information, please contact J.C. Murray, PE, Transportation Department Manager, 314.429.0100



About AECOM

AECOM is a premier, fully integrated professional and technical services firm positioned to design, build, finance and operate infrastructure assets around the world for public- and private-sector clients. The firm's global staff — including architects, engineers, designers, planners, scientists and management and construction services professionals — serves clients in over 150 countries around the world. AECOM is ranked as the #1 engineering design firm by revenue in *Engineering News-Record* magazine's annual industry rankings, and has been recognized by *Fortune* magazine as a World's Most Admired Company. The firm is a leader in all of the key markets that it serves, including transportation, facilities, environmental, energy, oil and gas, water, high-rise buildings and government. AECOM provides a blend of global reach, local knowledge, innovation and technical excellence in delivering customized and creative solutions that meet the needs of clients' projects. A *Fortune 500* firm, AECOM companies, including URS Corporation and Hunt Construction Group, had revenue of approximately \$19 billion during the 12 months ended June 30, 2015.

More information on AECOM and its services can be found at www.aecom.com.

Contact

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