

**CITY OF ST. LOUIS  
BOARD OF PUBLIC SERVICE**

**REQUEST FOR QUALIFICATIONS**

**PROFESSIONAL ENGINEERING SERVICES FOR  
DESIGN OF TRAFFIC MANAGEMENT ENHANCEMENTS PROJECT  
TIP #5443-12; FEDERAL PROJECT STP-5401(652)  
ST. LOUIS, MISSOURI**

**PURPOSE:**

The City of St. Louis, Board of Public Service, is seeking Statements of Qualifications from firms interested in providing engineering design services to the Board of Public Service for a traffic management enhancement project which is being funded as a Transportation Improvement Project with TIP#5443-12 and assigned a Federal Project No. STP-5401(652). This particular project involves making upgrades and enhancements to the existing Intelligent Transportation System (ITS) on the named routes and making upgrades to the Traffic Operation Center (TOC) at the St. Louis Street Department headquarters. Traffic timing plans shall be developed to accommodate changes in the traffic volume that allows the TOC to respond to the increased demands to each corridor generated by a special event or incident on an adjacent highway.

The total estimated cost for this enhancement project is \$1,168,000. This includes design, construction, and testing. The funding for the project will be provided by 100% Federal CMAQ Funds for \$1,168,000.

This project involves improvements on nine arterial routes throughout the city and installation of hardware and software at City of St. Louis Street Department. The project also includes development of traffic timing plans to accommodate the heavy traffic flow from special events or diverted traffic from incidents on the highways in the city. The routes extend for approximately 27 miles with 124 signalized intersections. Each corridor is on an arterial route with access to the highway system.

The traffic routes are as follows:

1. McCausland Ave./Skinker Blvd. (Arsenal to Page);
2. Hampton Ave. (Loughborough to I-64);
3. Kingshighway Blvd. (Schollmeyer to Lindell);
4. Grand Ave. (Gravois to Dr. Martin Luther King);
5. Forest Park Parkway (Skinker to Grand);
6. Jefferson Ave. (Miami to I-64);
7. Truman Ave. (Lafayette to Gratiot);
8. Tucker (Lafayette to Chouteau); and
9. Seventh Street/Broadway (Arsenal to Park)

**Consultants interested in submitting Statements of Qualifications for consideration and evaluation for providing the services identified in this RFQ shall have a current SF330 on file with the City of St. Louis, President's Office, Board of Public Service.**

*A Consultant may submit qualifications as the Prime or as part of a Team as a Subconsultant, not both.*

Note: The City does not permit exclusivity agreements with subconsultants.

**SCOPE OF SERVICES:**

The City will require professional engineering services for a traffic signal timing system, data collection, the preparation of preliminary plans, final plans, specifications and estimate, shop drawing review, consultation during construction, implementation of the signal timing plan, and testing timing plan for this project. Other consultant services will be required for attendance at various meetings and presentations as needed. During the design process, the consultant shall coordinate with MoDOT and other affected utilities. The design of the project shall be closely coordinated with City of St. Louis Street Department.

All designs must meet MoDOT and FHWA Standards and work shall conform to the LPA Manual, and will be subject to review by those agencies. The consultant will be responsible for submission of plans to the MSD for permitting purposes.

No ADA curb ramps or sidewalk improvements are planned.

The work will be constructed on existing City of St. Louis right-of-way. No property acquisition will be necessary.

A reference vicinity map of the project limits for the nine routes identified above is available for download in conjunction with this solicitation. The complete TIP Application is also available from the BPS website Download Center.

It is anticipated that engineering will commence in February, 2012 and shall be completed and approved by MoDOT by August 2, 2012 to ensure obligation of federal funding.

**Project Scope:**

This Traffic Management Enhancement Project will improve the ability of the City of St. Louis to effectively manage the traffic flow from major public venues at the Edward Jones Dome, Busch Stadium, Chaifetz Arena, Fox Theatre, Scottrade Center, and Forest Park as well as incidents on the interstate system within the city limits.

The ITS upgrades include modernizing old controllers to the latest National Electrical Manufacturers Association (NEMA) version TS2 ethernet models, and the links to the central control software at TOC. The ITS enhancements include the installation of new vehicle detection devices and video surveillance cameras at various intersections on the routes with links to the controllers and to the TOC for rapid response to changes in traffic demands in real time. Additional, permanent traffic count locations are to be strategically placed throughout the routes

to monitor traffic conditions and to transmit the traffic data to TOC. [City Forces will be utilized for the purchase and installation of all upgrades and enhancements to the selected traffic routes.](#)

The ITS upgrades are for the following four sections of the traffic routes shown below:

1. McCausland Ave./Skinker Blvd. (Arsenal to Forest Park Pkwy);
2. Kingshighway Blvd. (I-44 to Forest Park Pkwy);
3. Grand Ave. (I-44 to I-70); and
4. Seventh Street/Broadway (Arsenal to Park).

The TOC upgrades include improvements to network and fiber communications equipment and installation of a video surveillance server, video monitor displays, and a permanent count workstation. The existing TOC facilities will provide space in the command center located in the Street Department headquarters at 1900 Hampton Avenue for all improvements.

The sequencing of the traffic data collection for the nine routes named above is critical due to present and future bridge projects that directly affect the traffic volume. The City plans to have the bridge projects completed for Grand Avenue Viaduct over Mill Creek by 2012, and Kingshighway over Union Pacific Railroad by 2015, while MoDOT plans to have bridge projects completed for Jefferson Avenue at US-40/I-64 by 2013, and I-70 at Mississippi River Crossing by 2014. It is recommended that the traffic data collection begins with the outer unaffected arterial routes of McCausland Ave./Skinker Blvd., Hampton Ave., Kingshighway Blvd., Grand Ave., and Forest Park Parkway before proceeding to the inner routes of Jefferson, Truman, Tucker, and Seventh Street/Broadway as the bridges open and the traffic volume returns.

The traffic management timing plans shall consist of the development of three types of traffic demands for each route: normal demand, special venue demand, and diverted demand. Traffic counts need to be performed to capture the traffic data for normal levels of traffic, special events, and diversion demands on each route. The normal traffic timing plans shall accommodate the typical traffic demands for the route. The normal timing plan shall be adjusted to accommodate the heavy directional traffic flow during special events in the city of St. Louis. A diversion traffic timing plan shall be developed for routes that are impacted by diverted traffic from incidents occurring on area highways. The diversion timing on the identified routes shall take priority over the normal timing for the route. The implementation of all timing plans will require extensive coordination with both the City and MoDOT.

### **SUBMITTAL OF STATEMENT OF QUALIFICATIONS:**

Interested firms shall **submit SIX (6) copies** of the Statement of Qualifications for the type of work outlined above. SOQ shall be **limited to FIVE (5) single-sided 8-1/2" x 11" pages with a minimum font size of 10 (the 5 pages do not include the DBE Utilization form and Unauthorized Alien Employee Affidavit, Signature Sheet, and front page of Memorandum of Understanding with Homeland Security for E-Verify).**

**NO OTHER MATERIAL WILL BE ACCEPTED – THIS INCLUDES A COVER SHEET OR COVER LETTER, COPY OF CERTIFICATIONS, REGISTRATIONS, etc. Statements of Qualifications shall be bound by a single staple and shall not be bound in any**

**other manner.** If additional information is included in the Statement of Qualifications, it will be removed from the SOQ before distributing to the Selection Committee members.

The qualifications and envelope shall identify the submittal is for:

**STATEMENT OF QUALIFICATIONS  
PROFESSIONAL ENGINEERING SERVICES FOR  
DESIGN OF TRAFFIC MANAGEMENT ENHANCEMENTS PROJECT  
TIP #5443-12; FEDERAL PROJECT STP-5401(652)  
ST. LOUIS, MISSOURI**

**Statement of Qualifications will be received no later than 5:00 p.m., DECEMBER 1, 2011** at the Department of the President, Board of Public Service, 1200 Market Street, Room 301 City Hall, St. Louis, MO 63103. SOQ envelope shall be marked to the Attention of Bette Behan, Contract Supervisor. Responses received after this time will not be accepted.

The Board of Public Service reserves the right to accept or reject any or all responses, or to cancel this request in part or in its entirety. All submittals become and remain the property of the City.

**QUALIFICATION EVALUATION CRITERIA:**

**Statement of Qualifications shall include contact person name, firm name, address, phone and fax number.**

**NOTE: Team composition shall remain the same unless change is submitted and approved by the President, Board of Public Service.**

The Selection Committee will evaluate each Statement of Qualifications using the following criteria. Submittal shall be in the same sequential format as follows:

1. Provide examples of five comparable projects that show the experience, qualifications, and technical competence of the **PRIME CONSULTANT** completed within the last five years for which your company was the designer of record. These projects should be complete or near completion. Include record of meeting M/W/DBE goals for these projects. Provide start and completion dates, project cost, and references with names, phone numbers, and e-mail addresses of owner's representative who is most knowledgeable of your firm's performance. Projects with incomplete information will not be considered toward the **PRIME CONSULTANT'S** experience.  
Up to three points will be awarded for each applicable project. (0 to 15 points)
2. Present experience, qualifications, and technical competence of the **PROJECT MANAGER** relative to the five projects described in Item #1. List the Project Manager's experience in managing similar projects (funded through the Federal Transportation Program) within the past five years if not directly associated with the firm submitting this proposal. Provide

Project Manager's Professional Registration information including profession and license # **(Do not include copy of license.)**. Project Manager shall be a Professional Engineer registered in the State of Missouri.

Up to three points will be awarded for each applicable project. (0 to 15 points)

3. Present experience, qualifications, and technical competence of **EACH SUBCONSULTANT** on the team relative to five comparable projects completed within the last 5 years. Include a description of the exact role of the subconsultant and % of project completed by subconsultant. Provide start and completion dates. These projects must be complete or near completion.  
A maximum of 15 overall points may be awarded. (0 to 15 points)
4. Present your team's approach and any unusual issues/problems/difficulties anticipated. Present your team's understanding of special requirements, codes, and regulations pertinent to the project. Present your internal quality control procedures. (0 to 20 points)
5. Present a team organizational chart identifying each firm's role (including team member names) and responsibility in the project. Indicate availability of team members for the project. List the number of employees by employee classification for the prime and each subconsultant in their local (St. Louis metro area) office and additionally those company-wide if they will be utilized for this project. (0 to 10 points)
6. Proximity to and familiarity with the area in which the project is located.(0 to 5 points)
7. The DBE plan will be evaluated for the feasibility of implementation as proposed. (0 to 5 points)

**DISADVANTAGED-OWNED BUSINESS ENTERPRISE (DBE) PARTICIPATION:**

The City of St. Louis is fully committed to involving DBE firms in meaningful roles on all consultant contracts. To that end, the City, acting through MoDOT's External Civil Rights Division, has established a goal of **10% DBE** participation for this consultant contract. The goal is a per cent of the original contract amount for the utilization of firms owned and controlled by disadvantaged individuals.

A copy of the current directory of Certified DBEs (through MRCC [Missouri Regional Certification Committee]) is available on the internet at [http://www.modot.mo.gov/business/contractor\\_resources/External\\_Civil\\_Rights/mrcc.html](http://www.modot.mo.gov/business/contractor_resources/External_Civil_Rights/mrcc.html) and [www.mwdbe.org](http://www.mwdbe.org) or by contacting MoDOT at (573)751-7801.

**UNAUTHORIZED ALIEN EMPLOYEES:**

As a condition for the award of this contract or grant, CONSULTANT, shall, pursuant to the provisions of Sections 285.530 through 285.555 of the Revised Statutes of Missouri 2000, as amended, by **sworn affidavit and provision of documentation**, affirm its enrollment and participation in E-Verify, a federal work authorization program, with respect to the employees working in connection with this Agreement. CONSULTANT shall also sign an affidavit

affirming that it does not knowingly employ any person who is an unauthorized alien in connection with this Agreement pursuant to the above-stated Statutes.

**In addition to the affidavit the CONSULTANT shall provide a copy of the front page and signature page of their Memorandum of Understanding with Homeland Security for E-Verify.**

**CONSULTANT SELECTION PROCESS:**

In accordance with the Revised Policies and Procedures for Procurement of Professional Service Agreements (dated November 2010), the Tier I Selection process will be utilized. Once Statements of Qualifications are received, the Selection Committee will meet to evaluate the SOQ's and will select the best qualified firm to provide these services for the City.

**POINT OF CONTACT**

All questions shall be directed to Bette Behan, Board of Public Service, by fax at 314-622-4028 or by e-mail at [BehanB@stlouiscity.com](mailto:BehanB@stlouiscity.com) (please reference project name in Subject Line if sending an e-mail). Answers to technical questions will be made available to consultants who have registered to download the RFQ from the BPS website or who have provided contact information when they received the RFQ.

**CITY OF ST. LOUIS  
DISADVANTAGED-OWNED BUSINESS ENTERPRISE (DBE) UTILIZATION PLAN**

**CONTRACTING AGENCY:**

**Project Goal: \_\_\_% DBE**

**PROJECT NAME:**

**NAME OF PRIME CONSULTANT:**

The prime consultant shall utilize and require all subconsultants to utilize the maximum number of certified disadvantaged-owned business enterprises possible and will purchase materials and supplies from disadvantaged-owned business enterprises to the maximum extent feasible, and to this end, the prime consultant will inform each subconsultant of this requirement. The prime consultant shall utilize the services and/or supplies to be provided by the following certified disadvantaged-owned business enterprises in the execution of this contract.

FIRM NAME ADDRESS PHONE NUMBER CONTACT PERSON	CERTIFYING AGENCY CERTIFICATION DATE CATEGORY CERTIFICATION NO.	WORK TO BE PERFORMED	DBE PERCENT

\_\_\_\_\_  
PRIME CONSULTANT AUTHORIZED SIGNATURE

\_\_\_\_\_  
DATE

STATE OF \_\_\_\_\_ )  
 )SS.  
COUNTY OF \_\_\_\_\_ )

AFFIDAVIT

Before me, the undersigned Notary Public, personally appeared \_\_\_\_\_ (**Name**) who, by me being duly sworn, deposed as follows:

My name is \_\_\_\_\_ (**Name**), I am of sound mind, capable of making this Affidavit, and personally acquainted with the facts herein stated:

I am the \_\_\_\_\_ (**Position/Title**) of \_\_\_\_\_. (**Contractor**)

I have the legal authority to make the following assertions:

1. \_\_\_\_\_ (**CONSULTANT**) is currently enrolled in and actively participates in E-Verify, a federal work authorization program, or any other equivalent electronic verification of work authorization program operated by the United States Department of Homeland Security under the Immigration Reform and Control Act of 1986(IRCA), as required pursuant to Sections 285.525 through 285.555 of the Revised Statutes of Missouri 2000, as amended.
2. Pursuant to Sections 285.525 through 285.555 of the Revised Statutes of Missouri 2000, as amended, \_\_\_\_\_ (**CONSULTANT**) does not knowingly employ any person who is an unauthorized alien in connection with the contracted services under this Agreement.

\_\_\_\_\_  
Affiant

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my official seal this \_\_\_\_ day of \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
Notary Public

My Commission Expires:

**Note:** Signature page and front page of Memorandum of Understanding with Homeland Security for E-Verify must be submitted with proposal.