



FRANCIS G. SLAY  
MAYOR

# City of St. Louis

DEPARTMENT OF THE PRESIDENT  
BOARD OF PUBLIC SERVICE  
1200 MARKET STREET, ROOM 305  
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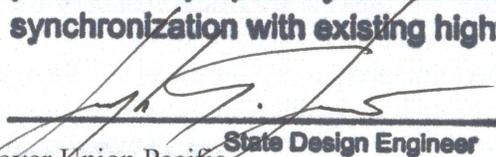


RICHARD T. BRADLEY, P.E.  
PRESIDENT

June 4, 2014

Mr Greg Wilhelm  
Local Programs Design Engineer  
MoDOT - St Louis  
1590 Woodlake Dr  
Chesterfield, MO 63017

**I do hereby certify that in accordance with the requirements of 23 CFR 635.411(a)(2), this patented or proprietary item is essential for synchronization with existing highway facilities.**

 FOR  
State Design Engineer

RE : Kingshighway Bridge Reconstruction over Union Pacific  
Project No. STP-5425(612), BRM-5422(618)  
Approval of P.I.F.

Mr Wilhelm,

This letter is a formal request for approval of a Finding in the Public Interest to use certain products needed for the Kingshighway Bridge project. There are four such items.

**Vehicle Detection system by Sensys Networks**

The scope of this project includes vehicle detection for the intersection of Kingshighway Blvd. and Shaw Blvd. We are proposing to utilize Sensys Network sensors, APCC, SPP radios, repeaters (if required) and universal mounting brackets. The City of St. Louis currently uses Sensys detection throughout the city with good success. The cost for installing and maintaining Sensys is much less than video detection, and since Sensys sensors may be removed and reinstalled, they are a better solution compared to induction loops which must be reinstalled any time the roads are resurfaced. Furthermore, the City's technicians are familiar with maintaining Sensys detection equipment. They also stock a significant number of spare parts in case equipment is damaged or malfunctioning.

**New street lighting sub-station**

The design calls for a new street lighting sub-station to be installed along Shaw Ave. The City's street lighting system operates at a somewhat unusual form of electricity - 480 volts, single phase. We have been buying sub-stations for our system for many years from Fletcher-Reinhardt Co. We have a supply of spare parts for these sub-stations, and our technicians are trained and familiar with the operation and repair of these sub-stations. Note also, the lead time for the manufacture and delivery of this equipment is 120 days, and this sub-station is needed at the very earliest stage of the bridge work. Therefore, we have also submitted to you a request to pre-purchase this equipment separate from the General bridge contract.

### **Traffic Signal Controller**

The Eagle Siemens Signal Controller is the standard traffic signal controller used by the City of St. Louis Traffic Division. Our Traffic Management software is the ACTRA / Tactics Platform and our network can only communicate between intersections and back to the Operations Center using this equipment. This product is currently in the City inventory and the City's traffic personnel are familiar with the operation and repair of these units. We have used these controllers on all of our CMAQ projects for many years. Past field performance has demonstrated that these products are reliable, easy to install and maintain, and work well with the other system components. It is essential for synchronization that the above mentioned product be approved because the City already has hundreds of these controllers installed.

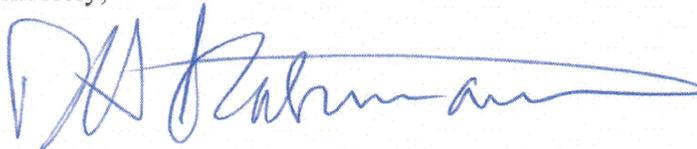
### **Street Lighting Poles, Luminaries and Crossarm**

The Stresscrete King Luminaire – Washington Coachman light poles and the Phillips Lumec – Zenith luminaire specified for this project were selected to match the existing poles and luminaries used in a previous project constructed immediately to the east of this project (Vandeventer from Southwest/ Kingshighway to Shaw). The fixtures and poles were selected in the above mentioned project based on meetings with the local neighborhood association and the local business people. The specified poles are already in the City inventory. We seek to create a consistent district by utilizing these poles and lights.

The City's Lighting Division has demonstrated that both these poles and lighting fixtures have proven to be durable and cost-effective; are available in the City's lighting equipment inventory due to their reliability and economical purchase price (ordered in bulk quantities); and ease of replacement, should they become damaged by motorists.

Approval of this request at your convenience would be appreciated so that these items may remain eligible for federal reimbursement. You can reach me at 314-589-6606 if you have any questions.

Sincerely,



Richard Stockmann, P.E.

Cc: Steve Runde