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June 8, 2012

Greg Wilhelm  
MoDOT St. Louis Metro District  
1590 Woodlake Drive  
Chesterfield, MO 63017-5712

Subject: City Traffic Management Enhancement Project  
CMAQ 5401(652)  
Public Interest Finding

Dear Mr. Wilhelm:

With regards to the above mentioned project, we request approval of a finding in the public interest to use products offered by Sensys Networks and Siemens. The scope of this project includes vehicle detection for 100 lanes of traffic and signal controller replacements for 4 routes in the City of St. Louis.

Specifically, we are proposing to utilize Sensys Network sensors, access points, repeaters, and card-rack mounted detectors. The City of St. Louis currently uses Sensys detection throughout the City of St. Louis 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. Additionally, we are also proposing to replace all existing Eagle EPACM40 controllers on the 4 routes with Siemens EPACM50 controllers. The existing M40 controllers are near the end of their useful life, and are starting to fail which poses a serious safety concern. The new Siemens EPACM50 controllers are the only direct replacement controller that is compatible with the City's ACTRA ATMS. The new controllers will utilize Ethernet interconnection in lieu of the existing serial fiber optic communications. This will greatly simplify the communication network and result in additional near-term and long-term cost savings while also making it easier to add the new video surveillance cameras and dynamic message signs.

The City of St. Louis's technicians are also familiar with maintaining Sensys detection equipment and Siemens signal controllers. They also stock a significant number of spare parts in case equipment is damaged or malfunctioning. Thank you for your time and consideration of this Public Interest Finding. We seek MoDOT's approval of this request at your earliest convenience.

**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.**

  
Kathryn P. Harvey, State Design Engineer