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DIRECTOR OF TRANSPORTATION
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March 12, 2013

Missouri Department of Transportation
1590 Woodlake Drive
Chesterfield, MO 63017-5712

Attn: Laura Ellen, District Design Liaison, MoDOT

RE: Flashing Yellow Arrow Conversion Program (CMAQ – 7305(607))
Public Interest Finding Request for Traffic Signal Malfunction Management Unit
manufactures by Eberle Design Inc. (EDI)

The City of St. Peters is requesting approval of finding in the public interest to use a EDI Malfunction Management Unit (MMU) for the Flashing Yellow Arrow Conversion Program project (CMAQ 7305(607)).

The City of St. Peters operates a transportation management system where EDI MMU's are interconnected to a central signal control system via an Ethernet communications network. This interconnected system is coordinated using EDI ECom software. At this time the only traffic signal MMU compatible with this system is EDI MMU2 -16LEip.

In addition to the interconnect system is the maintenance realm. It is necessary to test each MMU twice a year to ensure ATSI and NEMA compliance. The units are bench tested which requires the unit to be temporarily removed from the cabinet. Once removed a temporary spare monitor operates the cabinet while the tests are performed. The spare monitor is programmed from the ECom central software; therefore the unit must be compatible.

For the reasons outlined above, the City of St. Peters requests approval to specify the contractor supply and install a traffic signal MMU manufactured by Eberle Design Inc. Model MMU2-16LEip.

Sincerely,

William B. Benesek, PE
Director of Transportation
City of St. Peters

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