

City of Independence

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July 20, 2016

Marisela Ward
Senior Highway Designer-LPA
600 NE Colbern Road
Lee's Summit, MO 64086

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.

State Design Engineer

**RE: LETTER OF PUBLIC INTEREST FINDING
PROJECT NO. STP-3372 (403) (39th St. & Noland Rd. – Intersection
Improvement)**

The City of Independence, Missouri (City) requests approval of a finding in the public interest to use specific traffic signal equipment on the above referenced project. The scope of this project includes the improvement of each turning radii, the addition of a northbound right turn lane, and the replacement of the existing traffic signal equipment. The following proprietary equipment is requested for use:

- Controller: NEMA Eagle EPAC 3168 M52 Controller with a 'D' connector and NTCIP firmware version 4.01f
- Controller Power Supply: Type EDI MMU-16LE(ip)
- Emergency Vehicle Detection: 3M Opticom equipment with I.D. capability, including detection units (model 721 – single channel, dual detection), detector cable (model 138), and 4-channel phase selector plug-in (model 754)
- System Power Supply: Pacific Utility Products USP16-M2100-112C-MODOT
- Closed Circuit TV: Axis Camera (model Q6030-E), and power supply (model T8008 PS12)

The intersection of 39th Street with Noland Road is a significant interchange along the Noland Road corridor, which is an identified regional corridor in the Operation Green Light (OGL) program. At city street intersections like 39th Street and Noland Road, city traffic staff maintains the signal equipment. The above listed products, with the exception of the CCTV, are installed at all arterial and collector city intersections and are kept in stock by city traffic staff for rapid deployment in the event of equipment failure, storm events, or vehicular incidents. City traffic staff is experienced with the listed equipment and can properly troubleshoot and repair to restore signal operations. Use of equipment not readily available, or equipment unfamiliar to city traffic staff could result in

Marisela Ward
Page Two
July 20, 2016

significant added cost, as well as added delay due to the need to procure items not commonly stocked by city traffic staff.

The 39th Street and Noland Road intersection is one of the City's network of OGL intersections. The listed CCTV is the model most recently installed by an OGL project within the City. The requested equipment not only ensures compatibility with the existing city traffic signal system, but also ensures compatibility with the OGL program.

Thank you for your time and consideration of this Public Interest Finding. The City seeks MoDOT approval of this request at its earliest convenience.

Sincerely,

A handwritten signature in cursive script that reads "Donna K Coatsworth".

Donna Coatsworth, P.E.
Traffic Engineer

Cc: Jeff Sharp, Engineering Design Manager