Public Works Department

Capital Projects Division
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To: Marisela Ward, Senior Highway Designer, MoDOT District 4

From: Sam Akula, P.E, Section Manager, City of Kansas City, MO

CC: Wei Sun, City Traffic Engineer, City of Kansas City, MO
Sam Akula, Manager, Traffic Signals, City of Kansas City, MO

Date: August 18, 2015

Re: CMAQ 3372(404) 39th Street from Main Street to Troost Ave

Proprietary Item Request – CALTRANS TEES specification, Econolite ASC Controller Firmware, PTZ Camera System and Genetec Camera Control System

Dear Marisela,

With reference to the above mentioned projects, the following information is provided to demonstrate that utilizing the CALTRANS TEES specification, proprietary specification for the Econolite ASC controller firmware, PTZ Camera System and Genetec Camera Control System by the City of Kansas City, MO is essential for synchronization with existing traffic signal infrastructure.

City of Kansas City, MO is requesting an exemption from MoDOT Section 136.9.2.6 for the CALTRANS TEES specification, Econolite ASC Controller Firmware, PTZ Camera System and Genetec Camera Control System that will be used for traffic signal installations. CALTRANS TEES specification has been used by the City of Kansas City, MO primarily for procuring cabinets and controllers. City of Kansas City, MO desires and intends to continue utilizing the CALTRANS TEES specification. Continuing to utilize the CALTRANS TEES specification will allow the City to standardize the cabinet and controllers at traffic signal installations.

Econolite ASC controller firmware is the only software for 2070 controllers that has been identified to meet the requirements defined by the Operation Green Light (OGL) controller firmware technical special provisions. Also, 100% of the 2070 controllers installed for the City's traffic signal installations use the ASC software. ASC/3 software is the latest supported version of the 2070 controller firmware that is being used for all ongoing traffic signal projects and is fully compatible with the Transuite Central System used by the City of Kansas City, MO. City of Kansas City, MO desires and intends to continue utilizing the proprietary Econolite ASC controller firmware for 2070 controllers. Continuing to utilize the proprietary Econolite ASC controller firmware will allow the City to standardize the controller firmware for 2070 controllers which will help the City to better

utilize the available training resources.
The proprietary PTZ Camera System specification for traffic signal projects has been in use for last few years and is also currently being used for all ongoing traffic signal projects. City of Kansas City, MO desires and intends to continue utilizing the proprietary PTZ Camera System specifications as experience gained from the installations to date have shown cost savings during installation and maintenance. PTZ Cameras installed as a part of traffic signal projects primarily utilize conduit and cabinet space designated for existing traffic signal cables and equipment. Utilizing Power Over Ethernet (POE) as a part of the proprietary specification reduces the required amount of cabling, conduit space and cabinet space which in turn minimizes the need to add additional conduit. Also, continuing to utilize the proprietary PTZ camera specification will allow the City to standardize the equipment which minimizes the stock inventory needed to fix and repair the equipment. Also, this will help the City to better utilize the available training resources.

The proprietary Genetec Camera Control System specification for traffic signal projects has been in use for last few years. The Genetec Camera Control System is also currently being used across various City Departments as City had procured the Genetec Camera Control System software and hardware a few years ago to monitor, control and manage PTZ Camera Systems. Also, City has recently upgraded the Camera Control System software to the newer version (Security Center). Addition/integration of a new PTZ Camera System install would only require adding proprietary licenses to the existing Genetec Camera Control System. The City of Kansas City, MO desires and intends to continue utilizing the existing Genetec Camera Control System for all traffic signal projects. Also, this will help the City to better utilize the available resources.

If you have any additional questions, please feel free to contact me at 816-513-9861.

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.

Eric Schroeter

Digitally signed by Eric Schroeter
DN: cn=Eric Schroeter, o=MoDOT, ou=Design, email=Eric.Schroeter@modot.mo.gov, c=US
Date: 2015.09.04 07:52:51 -05'00'

State Design Engineer