



**STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION**

DESIGN DIVISION
SUITE 300, JAMES K. POLK BUILDING
505 DEADERICK STREET
NASHVILLE, TENNESSEE 37243
(615) 741-5017

JOHN C. SCHROER
COMMISSIONER

BILL HASLAM
GOVERNOR

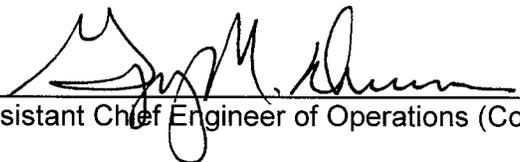
TO: Greg Duncan, Assistant Chief Engineer of Operations
FROM: Brad Freeze²⁷¹, Director, Traffic Operations Division
SUBJECT: Proprietary Item Request and Justification
City of Kingsport, Signalization Components of Projects with State and/or Federal Funds

The City of Kingsport is requesting certification to specify Reno 1600GE MMUs (Conflict Monitors) in signalization projects within the City of Kingsport's control and maintenance jurisdiction over the next three years that utilize State and/or Federal funds. The request is based on the need to provide full synchronization capabilities with the existing traffic signal network.

Justification

There are 103 traffic signals in Kingsport with 23 of them having a Reno 1600GE MMU. They have begun an initiative to install flashing yellow arrows on the permissive left turns in the City. Necessary upgrades at 23 intersections have already occurred using the Reno 1600GE MMU. More locations will be upgraded over the next year. Their inventory of MMU equipment has shifted to the Reno equipment due to the additional programming capability it provides. The City maintains an inventory of parts for the Reno equipment. In addition, their technicians have undergone extensive technical training for trouble shooting, programming and maintaining this equipment providing safety and efficiency citywide.

I, Brad Freeze, Director of the TDOT Traffic Operations Division, do hereby certify that in accordance with the requirements of 23 CFR 635.41(a)(2) that the patented or proprietary items identified above are essential for the synchronization of existing facilities.


Assistant Chief Engineer of Operations (Concurrence)

1/28/15
Date

CC: Jeff C. Jones, TDOT Assistant Chief Engineer of Design
Mike Tugwell, TDOT State Traffic Engineer
Pete Falkenberg, TDOT Design Division
Danny Lane, TDOT HQ Materials & Tests Division
Tim Elsea, Traffic Engineering Manager, City of Kingsport



TRAFFIC DIVISION
City of Kingsport, Tennessee

January 6, 2015

Brad Freeze, Director Traffic Operations Division
James K. Polk Building
505 Deaderick Street, Suite 300
Nashville, TN 37243

SUBJECT: Request for Proprietary Traffic Signal Products Certification (Conflict Monitor)

Dear Mr. Freeze,

The City of Kingsport would like to request the use of Reno MMUs on all Traffic Signal projects with the City of Kingsport. There are currently 103 traffic signals located in Kingsport, with 23 of them having a Reno MMU.

Kingsport has begun an operations initiative to install flashing yellow arrows on all the permissive left turns in the City. Upgrades to 23 intersections have already occurred using the Reno 1600GE. More are in the works over the next year. Our inventory of MMU equipment has shifted to Reno due to this additional programming capability. The City of Kingsport maintains an inventory of parts for Reno equipment, as well as our Traffic Signal Technicians have undergone extensive training on the maintenance and trouble shooting for these components. Thank you for your consideration of this request to better serve the citizens of Kingsport with increased safety and efficiency through normal operations and maintenance activities. If you have any questions or concerns, please feel free to contact me at (423) 224-2426 or email at timelsea@kingsporttn.gov.

Sincerely,

A handwritten signature in cursive script that reads "Tim Elsea".

Tim Elsea, PE
Traffic Engineering Manager