



**STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION**

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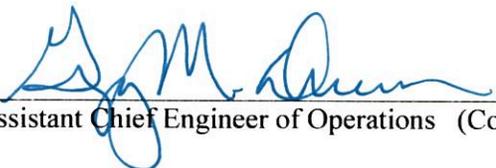
TO: Greg Duncan, Assistant Chief Engineer of Operations
FROM:  Carolyn Stonecipher, Director, Roadway Design Division
SUBJECT: Proprietary Item Request and Justification
City of Memphis Signalization Components of Projects with Federal Funds
DATE: February 27, 2014

The City of Memphis is requesting a certification to specify the 3M/GTT Opticom Emergency Vehicle Preemption (EVP) System to be used in the signalization component of projects within the City of Memphis' control and maintenance over the next three years using federal funds. This EVP System would also be used in projects throughout Shelby County as the City of Memphis maintains the signals for all of Shelby County including those in all municipalities. The request is based on the need to provide full synchronization capabilities with the existing traffic signal network.

Justification

This item is essential for the synchronization of existing facilities. There are currently 770 traffic signals in the City of Memphis and about 220 traffic signals in Shelby County outside the City of Memphis. Their inventory of existing equipment is comprised primarily of the Opticom EVP System. The City of Memphis maintains an inventory of parts for the Opticom EVP System and their Traffic Signal Technicians have undergone extensive technical training for trouble shooting and maintaining this preemption system. In addition, the existing emergency response vehicles and the Memphis Area Transit Authority (MATA) vehicles are currently outfitted with 3M/GTT preemption equipment.

I, Carolyn Stonecipher, Director of the TDOT Roadway Design Division, do hereby certify that in accordance with the requirements of 23 CFR 635.411(a) (2) that the patented or proprietary item identified above is essential for the synchronization of existing facilities.


Assistant Chief Engineer of Operations (Concurrence)


Date

CC: Jeff C. Jones, TDOT Assistant Chief Engineer of Design
Brad Freeze, TDOT Director of Traffic Operations
Mike Tugwell, TDOT State Traffic Engineer
Pete Falkenberg, TDOT Design Division
Lee Jones, TDOT Design Division
Danny Lane, TDOT HQ Materials & Tests Division
Randall Tatum, City of Memphis, Administrator, City Traffic Engineer



February 25, 2014

Mr. Pete Falkenberg, P.E.
Civil Engineering Manager
Design Division
Tennessee Department of Transportation
James K. Polk Building, Suite 1300
Nashville, TN 37243

**SUBJECT: Request for Proprietary Traffic Signal Products Certification
(3M/GTT Opticom EVP System)**

Dear Mr. Falkenberg:

The City of Memphis would like to request the use of the 3M/GTT Opticom Emergency Vehicle Preemption System on all Traffic Signal projects within the City of Memphis and Shelby County. The City of Memphis maintains the traffic signals for all of Shelby County, including the suburban municipalities of Arlington, Bartlett, Collierville, Germantown, Lakeland, and Millington. There are currently 770 traffic signals located in the City of Memphis and approximately 220 traffic signals in Shelby County outside of the City of Memphis. The Opticom EVP System is used to give emergency vehicles priority when assigning the ROW at traffic signals, which helps to reduce response delay. Our inventory of existing equipment is comprised primarily of the Opticom EVP System. The City of Memphis maintains an inventory of parts for the Opticom EVP system and our Traffic Signal Technicians have undergone extensive training on the maintenance and trouble shooting of this system. In addition, the existing emergency response vehicles and the Memphis Area Transit Authority (MATA) vehicles are currently outfitted with 3M/GTT preemption equipment. The use of the 3M/GTT Opticom EVP System is requested for full synchronization with existing equipment. Thank you for your consideration of this request to better serve the citizens of Memphis and Shelby County with increased safety and efficiency through normal operations and maintenance activities. If you have any questions please feel free to contact me at 901-636-6710.

Sincerely,

A handwritten signature in black ink that reads "Randall K. Tatum".

Randall Tatum, P.E.
Administrator, City Traffic Engineer
City of Memphis
Division of Engineering