



**STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION**

BUREAU OF ENGINEERING
SUITE 700, JAMES K. POLK BUILDING
505 DEADERICK STREET
NASHVILLE, TENNESSEE 37243-1402
(615) 741-5017

JOHN C. SCHROER
COMMISSIONER

BILL HASLAM
GOVERNOR

TO: Gregory M. Duncan, Assistant Chief Engineer of Operations
FROM: Brad Freeze²⁷, Director of Traffic Operations
SUBJECT: Proprietary Item Request and Justification
Johnson City Signalization Components of Projects with Federal Funds

The City of Johnson City is requesting a certification to specify the Siemens Eagle EPAC traffic signal controllers to be used in the signalization component of projects within Johnson City's control and maintenance over the next 3 years using federal or state funds. This request is based on the need to provide full synchronization capabilities with the existing traffic signals installed.

Justification

These items are essential for the synchronization with existing facilities. Johnson City's existing equipment is comprised primarily of the Siemens Eagle EPAC controllers, and, as noted below, you will see that their current solid state controllers used in the field are exclusively the EPAC controllers.

- 4 electromechanical controllers
- 89 EPAC controllers
- 17 spare EPAC controllers
- 2 spare TCT controllers

If you have any questions or comments, please contact Brad Freeze, Director of Traffic Operations.

I, Brad Freeze, Director of TDOT Traffic Operations, do hereby certify that in accordance with the requirements of 23 CFR 635.411(a) (2) that the patented or proprietary items listed above are essential for the synchronization of existing facilities.

Assistant Chief Engineer of Operations (Concurrence)

8/6/13
Date

cc: Jeff C. Jones, TDOT Assistant Chief Engineer of Design
Mike Tugwell, TDOT State Traffic Engineer
Carolyn Stonecipher, TDOT Director of Design
Pete Falkenberg, TDOT Design Division
Lee Jones, TDOT Design Division
Mike Tugwell, TDOT Traffic Operations Division
Danny Lane, TDOT H.Q. Materials & Tests Division
Anthony D. Todd, Traffic Engineering Manager, Johnson City Public Works



Public Works Department
Engineering • Facilities
Solid Waste • Storm Water • Street • Traffic

May 30, 2013

Mr. Brad Freeze
Traffic Operations Division, Director
Tennessee Department of Transportation
Suite 1300 James K. Polk Bldg.
505 Deadrick Street
Nashville, TN 37243-0348

RE: Johnson City Signalization Components of Projects with Federal Funds:

Dear Mr. Freeze:

The City of Johnson City is requesting a certification to specify the Siemens Eagle EPAC traffic signal controllers to be used in the signalization component of projects within Johnson City's control and maintenance over the next 3 years using federal or state funds. We request the EPAC controller to provide full synchronization and extended capabilities.

Our inventory of existing equipment is comprised primarily of the Siemens Eagle EPAC controllers, and, as noted below, you will see that our current solid state controllers used in the field are exclusively the EPAC controllers.

- 4 electromechanical controllers
- 89 EPAC controllers
- 17 spare EPAC controllers
- 2 spare TCT controllers

Thank you for considering these requests to better serve the public with increased safety and efficiency through normal operations and maintenance activities. If you have any questions, feel free to contact me at 423-975-2733 or at anthonytodd@johnsoncitytn.org.

Sincerely,

Anthony D. Todd
Traffic Engineering Manager