



**STATE OF TENNESSEE**  
**DEPARTMENT OF TRANSPORTATION**  
**TRAFFIC OPERATIONS DIVISION**  
SUITE 1800, JAMES K. POLK BUILDING  
505 DEADERICK STREET  
NASHVILLE, TENNESSEE 37243-1402  
(615) 253-1122

**HOWARD H. ELEY**  
COMMISSIONER

**BILL LEE**  
GOVERNOR


TO: Ben Price, Assistant Chief Engineer of Operations  
FROM: Lee Smith, Interim Director of Traffic Operations  
SUBJECT: **Proprietary Item Request and Justification**  
**City of Cookeville**

The City of Cookeville is requesting the following items be used in all signalization projects within their jurisdiction over the next three years where Federal and/or State funding are used.

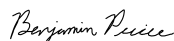
- 1) **Traffic Signal Controllers:** Siemens Controllers.
- 2) **Malfunction Management Units (MMU):** EDI Conflict Monitors.
- 3) **Traffic Signal Communications:** Siemens Network Switches.
- 4) **Traffic Signal Detection:** EDI Standalone Quadropole Loop Detectors including LMD30IT Standalone Detectors.
- 5) **Emergency Pre-Emption System:** Tomar Strobecom System.
- 6) **Battery Backup System:** Clary UPS Battery Backup System including By-Pass Switches and Batteries.

The above items are essential for synchronization with existing facilities. The City of Cookeville staff has been extensively trained to install, operate, maintain, program, troubleshoot, and repair these items. This allows technicians to quickly diagnose issues which reduces the time required to maintain the system overall and helps keep the system operational during heavy traffic times to ensure maximum capacity of the synchronized system. By utilizing these items as the standard for the City of Cookeville, there will be a cost savings in stocking replacement equipment and will result in faster and less costly repair. See attached letter for additional justification details of this request.

I, Lee Smith, Interim Director of the Traffic Operations Division of the Tennessee Department of Transportation, 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.

  
Lee Smith (Jul 5, 2023 16:45 CDT)

Interim Director of Traffic Operations



Assistant Chief Engineer of Operations

Jul 5, 2023

Date



*Department of  
Public Works & Engineering*

**P.O. Box 998 - 45 East Broad Street  
Cookeville, TN 38503-0998  
Phone: 931-520-5249  
Fax: 931-526-4897**

November 7, 2022

Mr. Steve Bryan, P.E.  
Traffic Operations Division, Traffic Engineer  
Tennessee Department of Transportation  
James K. Polk Bldg., 12th Floor  
505 Deaderick Street  
Nashville, TN 37243-0348

Re: Request for Proprietary Traffic Signalization Components Certification

Mr. Bryan:

The City of Cookeville is requesting certification to specify the following items to be used as part of any signalization project in the City of Cookeville that uses state or federal funds:

Siemens network switches  
Siemens controllers

EDI conflict monitors  
EDI standalone quadrupole loop detectors  
EDI LMD301T standalone detectors  
Tomar Strobecom emergency preemption

Clary UPS System  
Clary by-pass switch  
Clary backup batteries

The use of Siemens equipment is for full synchronization capabilities. There are currently 76 signalized intersections located in Cookeville. Our existing inventory is composed of entirely Siemens controllers and components. All of our traffic signal technicians have undergone extensive training for this system as well as keep spare parts in inventory. By using these devices throughout the City of Cookeville there will be a cost savings in stocking replacement equipment as well as faster and less costly repair or replacement.

EDI conflict monitors and quadrupole loops detectors are used at all of our signalized intersections. Our traffic technicians have undergone training for the use and installation of these monitors and loops as well as keep spare parts in inventory. By using these

devices throughout the City of Cookeville there will be a cost savings in stocking replacement equipment as well as faster and less costly repair or replacement.

Cookeville currently has 46 signalized intersections that are equipped with emergency preemption. All are Tomar Strobecom. All of our traffic signal technicians have undergone extensive training for this system as well as keep spare parts in inventory. By using these devices throughout the City of Cookeville there will be a cost savings in stocking replacement equipment as well as faster and less costly repair or replacement.

Clary UPS, switches and backup batteries will allow battery backup systems to reside in their own cabinet to be mounted to existing cabinets eliminating the need for an additional cabinet bases to be installed.

If you have any questions concerning this, please contact me.

Sincerely,



Blake Mayo, P.E.

Public Works Director

City of Cookeville

931-520-5247