



**STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION**

**BUREAU OF ENGINEERING**  
SUITE 700, JAMES K. POLK BUILDING  
505 DEADERICK STREET  
NASHVILLE, TENNESSEE 37243-1402  
(615) 741-0791

**JOHN C. SCHROER**  
COMMISSIONER

**BILL HASLAM**  
GOVERNOR

TO: Chuck Rychen, Assistant Chief Engineer of Operations

FROM: Jim Moore, Director, Program Development and Administration Division

**SUBJECT: Proprietary Item Request and Justification for the City of Memphis**

The Program Development and Administration Division Director, Jim Moore, requests approval for the City of Memphis to be certified to utilize the following proprietary items for installation, upgrades and maintenance of the signalization components of projects, over the next three years, where Federal and/or State funding is used:

- Polara Engineering, Inc. EN2 – EZ Communicator Navigator, 2-Wire Push Button

**Justification**

This proprietary item is essential for the synchronization of new and future projects with existing facilities. The City of Memphis signal maintenance division maintains all traffic signals within the city, as well as many of the surrounding cities throughout Shelby County. Thus, specific proprietary items are necessitated for the signal maintenance division to maintain an inventory of traffic signal components. The installation of 27 of these signals is currently underway throughout the City's Shelby County signalization service area, with one additional unit planned for a project nearly ready for construction. These audible pedestrian signals will be an important component of all projects requiring ADA compliant signalization. These signals will provide pedestrians, regardless of their ability, with safe travel through a signalized intersection. The approval of the use of this proprietary item will allow for the traffic signals within the City of Memphis and Shelby County to be maintained to acceptable standards, and the City employs a fully trained staff in the installation, operation and maintenance of these signals.

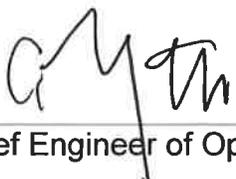
Given the reasons above, I would like to request proprietary certification because the patented or proprietary item listed above is essential for synchronization with existing facilities.

If you have any questions or comments, please contact Nate Brugler, Local Programs Office, at 615-532-4415.

I, Jim Moore, Director of Program Development and Administration, of the Tennessee Department of Transportation, do hereby certify that in accordance with the requirements of 23 CFR 635.411(a) (1) that the proprietary item listed above is essential for the synchronization with existing facilities.

  
Director, Traffic Ops  
Recommendation for Approval

3/2/16  
Date

  
Assistant Chief Engineer of Operations

3.7.16  
Date



Tennessee

Jim Strickland  
Mayor

ENGINEERING DIVISION  
Traffic Engineering

February 23, 2016

Ms. Whitney Sullivan  
Transportation Manager  
Local Programs Development Office  
Tennessee Department of Transportation  
James K. Polk Building, Suite 600  
505 Deaderik St.  
Nashville, TN 37243

**SUBJECT: Request for Proprietary Traffic Signal Products Certification  
(Polara Engineering, Inc. EN2 – EZ Communicator Navigator, 2-Wire Push Button)**

Dear Ms. Sullivan:

The City of Memphis would like to request the use of the Polara Engineering, Inc. EN2 – EZ Communicator Navigator, 2-Wire Push Button System on all Traffic Signal projects within the City of Memphis and Shelby County where Accessible Pedestrian Signals are specified. 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. Our inventory of existing accessible pedestrian equipment is comprised primarily of the Polara Engineering, Inc. EN2 – EZ Communicator Navigator, 2-Wire Push Button System. The City of Memphis maintains an inventory of parts for the Polara Engineering, Inc. EN2 – EZ Communicator Navigator, 2-Wire Push Button system and our Traffic Signal Technicians have undergone extensive training on the maintenance and trouble shooting of this system. The use of the Polara Engineering, Inc. EN2 – EZ Communicator Navigator, 2-Wire Push Button 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,

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