



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 Clarksville

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

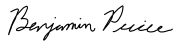
- **Traffic Signal Detection:** Iteris Vantage Vector Hybrid Detection.

The above item is essential for synchronization with existing facilities. The City of Clarksville staff has been extensively trained to install, operate, maintain, program, troubleshoot, and repair this item. 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 this item as the standard for the City of Clarksville, 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 8, 2023 16:06 CDT)

Interim Director of Traffic Operations



Assistant Chief Engineer of Operations

Jun 9, 2023

Date

STREET DEPARTMENT

TO: Stephen K. Bryan, P.E., PTOE
Traffic Operations Division
James K. Polk Bldg., 18th Floor
505 Deaderick St., Nashville, TN 37243

DATE: May 3, 2023

SUBJECT: Proprietary Item Request and Justification
63LPLM-F1-076/ CM-NH-13(82)/ PIN# 127899.00

The City of Clarksville requests approval to utilize the following patented or proprietary product in accordance with the allowable procedure in TDOT SOP 1-5: X Certification, Experimental/Research, or Justified Need.

Project Description

The City of Clarksville is currently in the process of upgrading its current Siemens TACTICS central traffic management system software along with the SCOOT adaptive system along Wilma Rudolph Boulevard. The City will be installing the SCOOT system on Wilma Rudolph Boulevard with the current CMAQ project providing a dynamic means to optimize traffic flow for that corridor.

The architecture of SCOOT will work in parallel with the existing central traffic management system and is compatible with the current city's ATC controllers by Siemens. In order to collect traffic volume and speed data, supply that data to the system and operate the SCOOT system effectively, advance detection along with stop bar detection is required. The city currently uses the Iteris Vantage Vector detection device on three of the intersections for advance and stop bar detection on Wilma Rudolph Boulevard.

In order to continue to operate a traffic signal system that is fully synchronized and compatible, the city is requesting the Iteris Vantage Vector Hybrid detection device as its sole detection system for this adaptive system. Specifying the Vantage Vector system will create a fully functional and seamless system with the TACTICS central software and SCOOT. Utilization of the system that is compatible with the current TACTICS system will provide continued efficiency of normal operations, maintenance activities which will decrease downtime and provide increased safety for the City of Clarksville.

Thank you on behalf of the City of Clarksville for considering this request in keeping the City's traffic signal system operating in an efficient manner with normal operation and maintenance activities. If you have any questions or comments, please contact Chris Cowan P.E. at 931-645-7464 or at chris.cowan@cityofclarksville.com.

Sincerely,



Chris Cowan, P.E.
Senior Engineering Manager
City of Clarksville Street Department