STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
TRAFFIC DESIGN 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: Lori Lange, Assistant Chief of Engineering

FROM: Andy Barlow, Director of Traffic Design Division

SUBJECT: **Proprietary Item Request and Justification**
City of Milan

The City of Milan 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 including the M60 Series.

2) **Traffic Signal Detection:** Miovision Smart View 360 Camera Vehicle Detection System.

The above items are essential for synchronization with existing facilities. The City of Milan 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 Milan, 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.

Approval of items for proprietary use does not guarantee state or federal reimbursement on the project. The local government agrees to comply with all current, applicable provisions of the Build America Buy America (BABA) requirements established under 23 USC 313 and 23 CFR 635.410.

I, Andy Barlow, Director of the Traffic Design Division of the Tennessee Department of Transportation, do hereby certify that in accordance with the requirements of Procedures for Using Patented or Proprietary Products (SOP 1-5) that the patented or proprietary items listed above are essential for the synchronization of existing facilities.

Andrew Barlow (Dec 18, 2024 10:35 CST)

Director of Traffic Design Division

Lori Lange (Dec 26, 2024 08:29 CST)

Assistant Chief of Engineering

Dec 26, 2024

Date

1061 South Main Street
Milan, Tennessee 38358

CITY OF MILAN

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8/27/2024

Stephen K. Bryan, P.E., PTOE
Traffic Engineer/Section Manager
Tennessee Department of Transportation Traffic Operations Division
James K. Polk Building. 18th Floor
505 Deaderick St., Nashville, TN 37243

Re: Proprietary Item Request and Justification for Traffic Signal Products

Dear Mr. Bryan,

The City of Milan, Tennessee would like to request proprietary product approval for the following traffic signal equipment over the next three (3) years where Federal and/or State funding are used. The use of proprietary items would allow the city to maintain the synchronized traffic signal systems in a more efficient and effective manner.

1. Siemens m60 Series Controller
2. Miovision Smart View 360 Camera Vehicle Detection System with smart link performance software and smart sense turn count software.

The above items are essential for upgrading ten (10) signalized intersections located within the City of Milan and the specifications noted are posted on the city's webpage (www.cityofmilantn.com). Currently all ten (10) intersections are controlled by Peek controllers and have loop-based detection.

The City of Milan staff will be going through extensive training in the coming months to operate, maintain, program, and troubleshoot Siemens m60 Series Controllers. This will aid in the efficiently of normal operations, scheduled and non-scheduled maintenance, and enhance safety for the city of Milan.

The City of Milan will also be trained to install, operate, maintain, and troubleshoot the Miovision detections and software. The city expects costs savings in replacement equipment and in repair costs. Because of the loop failure and the high cost for repair, the city will begin replacing all loop detection to increase the reliability of vehicle detection. In addition, the software, will give us the ability to watch live feed of the intersection, gathering traffic count data, pedestrian count data, and investigate video retention for law enforcement.

The following contains a brief description of each item and the number of intersections they will be installed at the fiscal year.

Controller

The City of Milan is requesting the Siemens m60 Series Controller be used in all signalization projects within the city over the next three years where Federal and/or State funding are used. The city is in the process of upgrading controllers across its (11) eleven signalized intersections. The city has committed to funding two (2) signals with Siemens m60 Series Controllers.

Traffic Signal Detection Equipment

The City of Milan is requesting that Miovision Smart View 360 Vehicle Detection System be used in all signalization projects within the city over the next three years where Federal and/or State funding are used. The city has committed to funding two (2) signals with the Miovision Smart View 360 Vehicle Detection. All signals are loop based detections at this time.

Your favorable review and consideration of this project is appreciated. Should you have and questions, please do not hesitate to contact me a 731-686-3301.

Sincerely,

Mayor B.W. Beasley

City of Milan