



**STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION**

TRAFFIC DESIGN DIVISION
20TH FLOOR, WILLIAM R. SNODGRASS TOWER
312 ROSA L. PARKS AVENUE
NASHVILLE, TENNESSEE 37243
(615) 253-1122

WILL REID
COMMISSIONER

BILL LEE
GOVERNOR

TO: Shane Hester, Chief of Engineering

FROM: Andy Barlow, Director of Traffic Design Division

SUBJECT: **Proprietary Item Request and Justification**
Knox County

The Knox County 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:** McCain Controllers including the ATC eX2 NEMA Series.
- 2) **Traffic Signal Detection:** Miovision 360 Detection/Advanced Detection with Miovision SmartLink Hardware.

The above items are essential for synchronization with existing facilities. The Knox County 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 Knox County, 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 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 (Jul 8, 2026 12:36:08 CDT)

Director of Traffic Design Division

Chief of Engineering

07/10/2026

Date

ENGINEERING & PUBLIC WORKS

Development Services • Fleet Management • Environment & Planning • Operations

To: Stephen K. Bryan

From: Tristan Marchwicz, Assistant County Traffic Engineer

Date: March 10, 2026

Dear Mr. Bryan,

Knox County would like to request proprietary certification for items listed below over the next (3) years where Federal and/or State funding are utilized for Traffic Signal projects with the County. We have standardized these items, our contractors are very familiar with them and both Knox County and our contractors stock replacements for use when needed. Knox County currently maintains 92 traffic signals.

- 1. Traffic Signal Controllers:** McCain Controllers including the ATC eX2 NEMA Series
- 2. Traffic Signal Detection:** Miovision 360 Detection Cameras, Miovision SmartLink Hardware & Miovision Advanced Detection Cameras

Item	Number of Intersections (currently)
Controller – McCain including ATC eX2 NEMA Series	42
Video Detection – Miovision 360 Detection Cameras, SmartLink Hardware, Advanced Detection Cameras	23 of 29 intersections with video detection

Thank you, and please don't hesitate to reach out with any questions.

Sincerely,

*Tristan Marchwicz*Email: tristan.marchwicz@knoxcounty.org

Phone: (865) 410-5548