



**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

**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**  
**City of Knoxville**

The City of Knoxville 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.

- **Roadway Lighting Poles, Arms, and Fixtures:** Cooper and Lumec Fixtures; Hapco and Lumec Lighting Standards Poles/Arms (See attached letter for specific facility usage).

The above item is essential for synchronization with existing facilities. The City of Knoxville 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 Knoxville, 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 (Dec 16, 2025 08:52:37 CST)

Director of Traffic Design Division

Chief of Engineering

12/17/2025

Date

November 13, 2025

Stephen K. Bryan, P.E., PTOE  
Traffic Operations Division  
James K. Polk Bldg., Suite 1800  
505 Deaderick St.  
Nashville, TN 37243

**RE: REQUEST FOR PROPRIETARY STREET LIGHTING PRODUCTS CERTIFICATION CITY OF KNOXVILLE –  
LIGHTING FIXTURES, POLES, ARMS**

Dear Mr. Bryan:

The City of Knoxville is requesting additional approval of proprietary material for street lighting fixtures, poles, and arms. The City has established the use of proprietary streetlight fixtures and poles on various completed federally or stated funded projects. For consistency on corridors that are phased and with other corridors in the City, the following fixtures and poles are being requested for inclusion in the list of approved proprietary street lighting products that expire on October 8, 2028:

STREET LIGHT FIXTURES –

- COOPER LIGHTING - NVN-SA1B-740-U-T3-BK-10K-PR7-U132986
- COOPER LIGHTING - NVN-SA2C-740-U-T3-BK-10K-PR7-U132987
- COOPER LIGHTING - NVN-SA3B-740-U-T3-BK-10K-PR7-U132988
- LUMEC CAND1 SERIES

STREET LIGHT POLES –

- HAPCO 14.5'-50' ROUND TAPERED ALUMINUM (RTA) ALUMINUM BREAKAWAY
- HAPCO 14.5'-50' DECORATIVE ROUND TAPERD ALUMINUM (RTA) BLACK ALUMINUM BREAKAWAY
- LUMEC SM6 SERIES

STREET LIGHT POLE ARMS –

- LUMEC CN5 SERIES

Sincerely,



Thomas V. Clabo, P.E.  
Engineering Director