



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**
Town of Oakland

The Town of Oakland 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:** Yunex/Siemens Controllers.
- 2) **Cabinet Monitor Units (CMU):** Eberle Design Inc. (EDI) CMU.
- 3) **Traffic Signal Detection:** Iteris Detection.
- 4) **Accessible Pedestrian Signals (APS):** Polara Engineering APS.
- 5) **Emergency Pre-Emption System:** GTT/Miovision Opticom EVP.
- 6) **Rectangular Rapid Flashing Beacons (RRFB):** Carmanah RRFB Devices.

The above items are essential for synchronization with existing facilities including the City of Memphis. The synchronization with the City of Memphis 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 Town of Oakland, 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 (Aug 24, 2026 11:04:27 CDT)

Director of Traffic Design Division



Chief of Engineering

08/24/2026

Date

TOWN OF OAKLAND

170 DOSS CIRCLE
OAKLAND, TN 38060
901-465-8523 – Fax 901-465-1883



Steve Bryan, PE, PTOE
Traffic Engineer Section Manager
Tennessee Department of Transportation Traffic Operations Division
James K. Polk Bldg, 12th Floor
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Nashville, TN 37243

Proprietary Item Request and Justification: Traffic Signal Products for Town of Oakland

The Town of Oakland is engaging in signal upgrade projects at all existing signalized intersections within the Town's area, and is in the approval process for several additional new signalized intersections. The Town is using this opportunity to standardize signal hardware; this standardization allows for reduced operations & maintenance cost and the ability to stock an inventory of signal components to facilitate quick repair/replacement as needed. Allowing this standardization is expected to reduce signal system downtime and to reduce the cost and complexity of storing back-up signal hardware. This standardization is also necessary to allow full synchronization with existing and future equipment within both the Town of Oakland and the City of Memphis.

The market for traffic signal hardware in this part of the State is driven by the City of Memphis; synchronizing our inventory and standards with those of the City of Memphis is desirable to standardize driver experience and minimize system downtime.

The Town of Oakland is seeking certification for use of the following current-generation proprietary signal hardware for use with all State- and/or Federally-funded traffic signal projects within the Town of Oakland:

- | | |
|----------------------|-----------------------|
| • Signal controller: | Siemens/Yunex Traffic |
| • Signal Detection: | Iteris |

- Conflict Monitor: Eberle Design Inc. (EDI)
- Emergency Vehicle Preemption: GTT/Miovision Opticom EVP
- Rectangular Rapid Flashing Beacons: Carmanah
- Accessible Pedestrian Signals: Polara Engineering

Hardware costs for these products are comparable with cost of competitor systems; specification of this proprietary system is not expected to add any significant capital costs.

Sincerely,

A handwritten signature in black ink, appearing to read "Harvey Ellis". The signature is written in a cursive, flowing style.

Harvey Ellis

Town Manager, Town of Oakland