



**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 Brentwood**

The City of Brentwood 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.

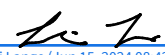
- 1) **Traffic Signal Controllers:** Econolite Controllers including the Cobalt Series.
- 2) **Malfunction Management Units (MMU):** Reno MMUs including the 1600GE Series.
- 3) **Traffic Signal Cabinets:** Econolite Cabinets including the P44 Series.
- 4) **Traffic Signal Detection:** Econolite Vision Video Detection System.
- 5) **Battery Backup System:** Econolite Battery Backup System including the DBL1400MX Series.
- 6) **Pedestrian Pushbuttons:** Audible Campbell Guardian.

The above items are essential for synchronization with existing facilities. The City of Brentwood 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 Brentwood, there will be a cost savings in stocking replacement equipment and will result in faster and less costly repair. 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. See attached letter for additional justification details of this request.

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 23 CFR 635.411(a) (2) that the patented or proprietary items listed above are essential for the synchronization of existing facilities.


Andrew Barlow (Jun 14, 2024 16:34 CDT)

Director of Traffic Design Division


Lori Lange (Jun 15, 2024 08:42 CDT)

Assistant Chief of Engineering

Jun 15, 2024

Date



City of Brentwood

5211 Maryland Way • Brentwood, TN 37027 • Phone (615) 371-0080
Mailing Address: P.O. Box 788 • Brentwood, TN 37024-0788

July 21, 2023

Mr. Steve Bryan, P.E.
Traffic Operations Division
Tennessee Department of Transportation
James K. Polk Bldg., 12th Floor
505 Deadrick Street
Nashville, TN 37243-0348

Subject: City of Brentwood

**Signalization Project Components with Federal/State Funds
Brentwood, Tennessee**

The City of Brentwood maintains 47

X 

intersections

Dear Mr. Bryan,

The City of Brentwood is requesting certification to specify the following components be used below involving signalization projects within control and maintenance over the next 3-years using Federal or State funds.

- Reno 1600GE Malfunction Management Unit (MMU)
- Econolite Vision Video Detection System
- Econolite Cobalt Controller Unit
- Econolite Battery Backup System DBL1400MX
- Econolite Traffic Signal Cabinet Econolite P 44
- Audible Campbell Guardian ped push buttons

Our inventory of existing equipment is comprised primarily of the above listed products, and as noted below, you will see that our current signal system is composed of the following:

- 47 Reno 1600GE Malfunction Management Units (MMU)
 - 21 Econolite Vision Video Detection System Units
 - 8 Econolite Cobalt Controller Units
 - 38 Econolite ASC 3 Controller Units
 - 10 Econolite Battery Backup System Units
- DBL1400MX 10 more intersections will have these in December of this year and more in future for next year.
- 7 Clary Battery Backup System Units
 - 47 Econolite Traffic Signal Cabinets Econolite P 44

The above products are required to provide full synchronization and extended capabilities. The City of Brentwood staff has been extensively trained to install, operate, maintain, program, and troubleshoot the Econolite controllers, video detection systems, battery backup systems, and the Reno MMU. These products reduce the time required to maintain the system overall and help keep the system operational during heavy traffic times to ensure maximum capacity of this synchronized system. By utilizing the Econolite equipment as the standard for the City, there will be a cost savings in stocking replacement equipment which will result in faster and less costly repairs for the future overall.

Thank you for considering these equipment requests to better serve the public with increased safety and efficiency through normal operations and maintenance activities.

If you have any questions, feel free to contact me at 615-566-1588 or at martin.yates@brentwoodtn.gov.

X 
 Martin Yates

Martin Yates
 City of Brentwood
 Traffic Operations
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 Cell 615-566-1588