



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
PROGRAM DEVELOPMENT & ADMINISTRATION DIVISION
SUITE 600, JAMES K. POLK BUILDING
505 DEADERICK STREET
NASHVILLE, TENNESSEE 37243-1402
(615) 741-3301

BUTCH ELEY
DEPUTY GOVERNOR &
COMMISSIONER OF TRANSPORTATION

BILL LEE
GOVERNOR

TO: Ben Price, Assistant Chief Engineer of Operations

FROM: *RP* Ronnie Porter, Director, Program Development and Administration Division

SUBJECT: **Proprietary Item Request and Justification for City of Mt. Juliet for Cisco and Meraki Network Devices**

I, Ronnie Porter, Director of the Program Development and Administration Division, request approval for the City of Mt. Juliet to be certified to utilize the following proprietary item(s) over the next three years, where Federal funding is used:

Cisco and Meraki network devices

Justification

City staff has a wide range of experience in the use of Cisco and Meraki network devices and currently use the equipment in their fiber and wireless network. Additionally, the City's IT department has completed training, has on-the-job experience, and is familiar with the operation of Cisco and Meraki network devices and their components as well as the Cisco switch management software. The IT staff performs routine maintenance and troubleshooting for the network.

If you have any questions or comments, please contact **Simchah Edwards at (615)741-0805** with the Local Programs Development Office or at Simchah.Edwards@tn.gov.

I, Ronnie Porter, Program Development and Administration Division Director, 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 item(s) as listed above is essential for the synchronization with existing facilities or no equally suitable alternative exists for this patented or proprietary item as listed above.

Lee J. Smith
Lee Smith (Jul 13, 2022 14:48 CDT)

Recommendation for Approval

Benjamin Price

Assistant Chief Engineer of Operations

Jul 14, 2022

Date



City of Mt. Juliet

July 5th, 2022

Mr. Steve Bryan, P.E.
TDOT Traffic Operations Division
James K. Polk Building, Suite 1800
505 Deaderick Street
Nashville, TN 37243

RE: Cisco and Meraki Network Devices

Dear Mr. Bryan,

The City of Mt. Juliet would like to request the use of Cisco and Meraki Network Devices with the implementation of all traffic signal projects that are state or federally funded over the next three (3) years. The City currently employs the use of Cisco and Meraki Network Devices for their existing network that connects many of City-owned buildings. The City would like to use Cisco and Meraki network devices to connect the proposed traffic operations center to thirteen (13) of the City's traffic signals as part of the SR 171 (Mt. Juliet Road) Intelligent Transportation System (ITS) and Signal Improvements Project, Phase 2. This connection will allow the City to monitor and operate the signals remotely and maintain communications compatibility and synchronization along the corridor.

City staff has a wide range of experience in the use of Cisco and Meraki network devices and currently use the following equipment in their fiber and wireless network:

- 18 Meraki Network Switches
- 6 Cisco Network Switches
- 8 Cisco Routers
- 24 Meraki Wireless Access Points

Additionally, the City's IT department has completed training, has on-the-job experience, and is familiar with the operation of Cisco and Meraki network devices and their components as well as the Cisco switch management software. The IT staff performs routine maintenance and troubleshooting for the network.

Thank you for your consideration concerning this request as the City of Mt. Juliet seeks to upgrade and enhance their existing advanced traffic control system. If you have any questions, please contact me by phone at (615) 773-7957 or email at abarlow@mtjuliet-tn.gov or Adam Williams at (615) 754-2552 or awilliams@mtjuliet-tn.gov.

Sincerely,

Andy Barlow,
Director of Public Works & Engineering
City of Mt. Juliet