



**STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION**

**BUREAU OF ENGINEERING
SUITE 700, JAMES K. POLK BUILDING
505 DEADERICK STREET
NASHVILLE, TENNESSEE 37243-1402
(615) 741-0791**

**JOHN C. SCHROER
COMMISSIONER**

**BILL HASLAM
GOVERNOR**

TO: Greg Duncan
Assistant Chief Engineer of Operations

FROM: Brad Freeze, Director of Traffic Operations

SUBJECT: **Proprietary Item Request and Justification
Cleveland Utilities and City of Cleveland
Signal Controllers and Conflict Monitors**

The Cleveland Utilities and City of Cleveland are requesting that the Peek Controller Model 3000E or the Peek Controller Model ATC 1000 and the Peek Double Diamond conflict monitor be used in the signalization component of projects within the City of Cleveland's control and maintenance over the next three years where Federal and/or State funding is used. This request is based on the necessity for the synchronization with the existing traffic signal system operated and maintained by the City. The following are justification items for this request:

- 1) Currently Peek controllers and conflicts monitors operate all 73 signalized intersections operated and maintained by the City of Cleveland. The controllers used are either the Model 3000E or the Model ATC1000. Having the ability to specify one of these two controllers will allow the City to have compatibility across their system.
- 2) The Cleveland Utilities staff has been exclusively trained on the programming, maintenance, and troubleshooting of the Peek controllers and conflict monitors. Being able to continue to use the Peek equipment will allow the Cleveland signal system to be able to maintained and operated in a way that is less expensive and with a reduced down time.

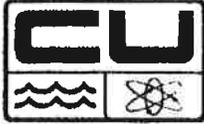
I, Brad Freeze, Director of TDOT Traffic Operations, do hereby certify that in accordance with the requirements of 23 CFR 635.411(a)(2) that the patented or proprietary items listed above are essential for the synchronization of existing facilities.

Assistant Chief Engineer of Operations

Date

Cc: Jeff C. Jones, TDOT Assistant Chief Engineer of Design
Mike Tugwell, TDOT State Traffic Engineer
Danny Lane, TDOT H.Q. Materials & Test Division
Tad Bacon, Cleveland Utilities

Recommended for Approval
Director, TDOT Traffic Operations



Cleveland Utilities

August 8th, 2014

Mr. Pete Falkenberg, P.E.
Civil Engineering Manager
Design Division of TDOT
James K. Polk Building, Suite 1300
Nashville, TN 37243

Re: Request for Proprietary Traffic Signal Products Certification
City of Cleveland – Controllers and Conflict Monitors

Dear Mr. Falkenberg:

Cleveland Utilities and the City of Cleveland would like to request a proprietary product certification for Peek traffic signal controllers and Peek Double Diamond conflict monitors over the next three years. Currently Peek controllers and monitors operate all 73 intersections owned by the City of Cleveland.

The controllers are made up of two models. The 3000E (90%) utilizes serial communications while the ATC 1000 (10%) utilizes Ethernet communications. For full synchronization with the IQ Central software, contractors should check with Cleveland Utilities to determine which model should be installed. The latest firmware should be installed on all equipment.

Also, it's important to note that our staff has been exclusively trained on the programming, maintenance, and troubleshooting of Peek's controllers and monitors. By keeping with these proprietary products Cleveland Utilities can better maintain Cleveland's signal system and reduce downtime.

Thank you for your consideration of this request,

Tad Bacon
Cleveland Utilities
Traffic Signals Coordinator
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(423) 478-9397