



STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
PROPRIETARY PRODUCT CERTIFICATION

630-020-07
PROGRAM MANAGEMENT
06/16

To: Mario Bizzio, P.E.
Design Engineer

Date: 6/11/2018

Financial Project ID: 438003-1-52-01 New Const. RRR
Federal Aid Number: D517-085-B
Project Name: I-95 from Volusia County Line to N of Palm Coast Parkway
State Road Number: I-95 Co. / Sec. / Sub.: Flagler County / Section 73001000
Begin Project MP: 0 End Project MP: 11.553
Full Federal Oversight: No Yes Note: If Yes, submit to FHWA Director.

A justification and all supporting documents must be attached to this document.
Mark the appropriate certification:

"I, Carl Cote, Construction Management & Engineering Division Manager, of
the City of Palm Coast,
Print Name of Initiator Position Title Name of Agency

do hereby certify that in accordance with the requirements of 23 CFR 635.411(a)(2),
Mark appropriately (choose only one option):

- that this patented or proprietary item is essential for synchronization with existing highway facilities.
- that no equally suitable alternative exists for this patented or proprietary item."

, 6/8/2018
Signature Date

For Department Use Only

"I, JAMES S. STROZ JR., DIST. TRAFFIC OPS. ENGINEER,
Print Name Position Title

of the Florida Department of Transportation, do hereby approve this certification request made in accordance with the
requirements of 23 CFR 635.411(a)(2),
Mark appropriately (choose only one option):

- that this patented or proprietary item is essential for synchronization with existing highway facilities.
 - that no equally suitable alternative exists for this patented or proprietary item."
- Identify any conditions and limitations:

, 6/26/18
Signature Date

June 11, 2018

Mario Bizzio, P.E. – District 5 Design Engineer
Florida Department of Transportation
719 South Woodland Boulevard
Deland, FL 32720

Subject: Justification for Use of Proprietary Products for Traffic Signal by City of Palm Coast – FPID: 438003-1-52-01

Dear Mr. Bizzio,

The City of Palm Coast Traffic Engineering requests the approval of the attached Proprietary Product Certification Form No. 630-020-07, completed in accordance with Proprietary Products Review and Certification Procedure 630-020-005-a, adopted August 20, 2014, for the following proprietary products:

- Iteris Video Detection System

This equipment is being requested for replacement of inductive loop detection at the I-95 ramp signalized intersections of Palm Coast Parkway. Approving these proprietary products is required for consistency with the City of Palm Coast's existing traffic signal systems and will prevent the need for supplemental training and synchronization efforts. Further justification for the use of this proprietary product has been provided below.

Function

- Iteris Video Detection Systems provides SmartCycle which provides differentiation of bicycle detection and data collection.
- Iteris Video Detection Systems provides PedTrax a tracking application for the collection of volume and speed data of pedestrian crosswalk activity.
- Iteris utilize a Wide Dynamic Range Camera which provides better detection in high and low light conditions.

Logistics

- Iteris video detection cameras are utilized throughout the City of Palm Coast. City staff is familiar with the maintenance and operations of these cameras.
- Use of Iteris video detection equipment will reduce the amount of stockpile equipment the City needs to maintain for maintenance purposes.

Lifecycle

- The City maintains spare video detection parts. Use of Iteris video detection equipment will allow for timely repair and replacement of failed or damaged components.
- The City exclusively uses Iteris video detection and has found that the equipment performs well over extended periods of use.

Training

- Since the City solely uses Iteris Video Detection Equipment, maintenance and operations personnel has extensive experience with this equipment. No additional training will be required.

Synchronization

- Consistency in the traffic signal systems is critical due to limited City resources and staff. Use of the Iteris Video Detection allows the City to leverage significant sunk cost in training, lessons learned, software, and spare components.
- The City of Palm Coast operates Iteris software systems from the City of Palm Coast TMC. Iteris video detection equipment is required to function with this software system
- The Iteris Video Detection System are capable of fulfilling the automated traffic signal performance metric data collection goals of FDOT District 5, which will support the District's Integrated Corridor Management, Decision Support System, and Data Fusion initiatives.

In summary, the City of Palm Coast is requesting approval for the use of the proprietary products listed in this document.

Sincerely,

A handwritten signature in blue ink, appearing to read 'C. L. [unclear]', is written over a light blue horizontal line.

City of Palm Cost Traffic Engineering