



STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
PROPRIETARY PRODUCT CERTIFICATION

630-020-07
PROGRAM MANAGEMENT
06/16

To: Mario Bizzio, P.E.
Design Engineer

Date: 6/14/2019

Financial Project ID: 439853-1 New Const RRR
Federal Aid Number: D518-098-B
Project Name: State Road 507 (Babcock St) ITS Expansion
State Road Number: SR 507 Co. / Sec. / Sub: Brevard County / 70012000 / 70760000
Begin Project MP: 2.520 (70012000) End Project MP: 1.500(70760000)
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, Scott Arnold, Traffic Engineering Ops Mgr, of the City of Melbourne
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."

R. Scott Arnold 6/21/19
Signature Date

For Department Use Only

"I, JAMES S. STROZ, JR., DTOE
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:

James S. Stroz, Jr. 6/27/19
Signature Date

June 21, 2019

Mr. Mario Bizzio, P.E.
District 5 Design Engineer
Florida Department of Transportation
719 South Woodland Blvd
DeLand, FL. 32720-6800

Subject: Proprietary Product Certification Justification Letter & Backup Documentation
FPID: 439853-1
SR 507 ITS Expansion – City of Melbourne
(Juniper EX4300-32F – Layer 3 Switch)
(ITS Express ITS-8012-24+ – Layer 2 Switch)

Dear Mr. Bizzio:

Please see the attached Proprietary Product Certification Form 630-020-07 completed in accordance with Procedure 630-020-005 adopted on August 20, 2014. Please also see the required justification below.

1. Description of the project need for the proprietary product.

- a. Project Description: The 439853-1 project includes the installation of a Layer 3 Switch and Layer 2 switches at various intersections in the City of Melbourne.
- b. Compatibility with Existing ITS Express Systems: City of Melbourne has already installed ITS Express products included in this Proprietary Product Certification request, as shown in the attached Exhibit A. City of Melbourne currently utilizes ITS Express switches and would like to maintain and create continuity with existing equipment.
- c. Compatibility with Existing Juniper System: City of Melbourne has already installed Juniper products included in this Proprietary Product Certification request, as shown in the attached Exhibit B. City of Melbourne currently utilizes Juniper Layer 3 Switches that are compatible with the existing and proposed Layer 2 Switches and deviation would create a risk for incompatible communications.

2. Factual and technical supporting evidence for Synchronization.

- a. Function: The proprietary product is necessary for the satisfactory operation of the existing facility.
 - i. The proposed product sheets are included with this letter as Exhibit A & B.
 - ii. This product is the same manufacturer as products already in use by City of Melbourne and is guaranteed to be compatible with the existing infrastructure.

- b. Logistics: the proprietary product is interchangeable with products in City of Melbourne's existing maintenance inventory.
 - i. This product is the same product already in use and is guaranteed to be interchangeable with the existing maintenance inventory.
 - ii. City of Melbourne staff is familiar with the equipment, software, and hardware for the Juniper and IFS Express Switches allowing them to quickly replace, program and troubleshoot problems allowing them to maintain communications.
- c. Training cost for staff, such as significant training required to effectively maintain and operate an unfamiliar product.
 - i. The current City of Melbourne staff are familiar and trained to use the existing product. By proposing the same product, no additional training cost are to be anticipated.

In summary, City of Melbourne is respectfully requesting that these proprietary products be furnished for this project. If you have any questions or need any additional information, please feel free to contact Scott Arnold at 321-608-7361 or by email at scott.arnold@mlbfl.org.

Sincerely,



Scott Arnold
Traffic Engineering Operations Manager

Cc: Keith Cunningham, P.E., City Engineer