

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION  
**PROPRIETARY PRODUCT CERTIFICATION**

630-020-07  
PROGRAM MANAGEMENT  
08/14

To: Annette K. Brennan, P.E.  
Design Engineer

Date: 1/6/2016

Financial Project ID: 437501-1-52-01 New Const.  RRR   
Federal Aid Number: \_\_\_\_\_

Project Name: Wekiva Parkway ITS Project Section 4B  
State Road Number: 429 Co. / Sec. / Sub.: \_\_\_\_\_ Begin  
Project MP: 0.00 End Project MP: 2.447  
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, Paul Mannix PE, ITS Project Engineer of Record- Wekiva 4B, of the Atkins NA, Inc  
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."

Paul Mannix, 1/29/2016  
Signature Date

For Department Use Only

"I, RICHARD MORROW, 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:

Richard B. Morrow, 4/6/16  
Signature Date

**Date: January 5, 2016**

**From: Paul Mannix, PE**

**To: Annette K. Brennan, P.E/ District 5 Design Engineer**

**RE: Financial Project ID- 437501-1-52-01 Wekiva Parkway 4B ITS Project  
Cyberlock Proprietary Product Certification Justification Memo**

FDOT District Five ITS group has implemented security measures on the Departments ITS systems to maintain a secured networking environment. One component of these security measures has been limiting the physical access to the ITS networking equipment.

The Department of Transportation's standard specifications require all cabinets be provided with a #2 Corbin lock to gain access to the equipment housed within these cabinets. Over the years, these keys have been distributed throughout the construction, maintenance, engineering industries as well as agencies themselves. Using a #2 Corbin Key as a method of security to limit access to the communication network devices lends the agency to vulnerabilities to everyone who has a #2 key.

Pad locks can be utilized to secure the cabinet door handles to limit access but these can be cut off using a bolt cutter. This method is not considered a reliable means of securing the network access.

In order to ensure the communication network equipment is protected, FDOT District Five reviewed other means of securing the cabinets doors to secure the network. One of these methods was the use of Cyberlocks. This electronic key technology allows the Department to control the access to their cabinets on an individual basis and provides the ability to limit the access for a specified period of time. This is possible by assigning keys to individuals that have an programmable identification number and the access permissions can be programmed specifically for that identification number through a central software system. The Cyberlock system also maintains logs of entry for each access to specific cabinets so the Department can track who has entered each cabinet.

This Cyberlock system has been implemented by District Five at all cabinet locations and the electronic keys have been distributed to employees, vendors and maintenance contractors for their use in accessing the existing field cabinets. This includes the use of the following Cyberlock products:

- CK-IR7: Key
- AK-01 : Key Pad
- AH-W1: Authorizer
- PL-02KR-A: Padlock
- CL-TC1: Cab lock

Currently, there are no electronic security locks on the FDOT Approved Products List (APL) and there are no standard specifications for this product, FDOT District Five has concluded maintaining the use of the same Cyberlock devices for security purposes on ITS projects Districtwide is suitable for their security purposes and maintains consistency with the existing Cyberlock system in place.