

Proprietary Product Certification

To: Aish Sandineni
Design Engineer

Date: 4/26/19

Financial Project ID: 439415-1-58-01 New Const. (x) RRR ()
Federal Aid Number: D519-047-B
Project Name: Citrus Tower Blvd. & Mohawk Rd.
State Road Number: _____ Co. /Sec. /Sub. _____
Begin Project MP: _____ End Project MP: _____
Full Federal Oversight: No (x) Yes () Note: if Yes, submit to appropriate Federal Agency Director.

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

"I George Gadiel, Traffic Engineer, of the Lake County Public Works,
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:

(x) 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.

[Signature], 4/26/2019
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 recommend approval of this certification request
made in accordance with the requirements of 23 CFR 635.411(a)(2),

Mark Appropriately:

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/or limitations on an attached memo.

[Signature], 5/14/19
Signature Date

For Federal Use Only (use for Full Federal Oversight projects)

"I _____, _____,
Print Name Position title

of the _____, do hereby approve this certification request
Agency

made in accordance with the requirements of 23 CFR 635.411(a)(2).

Identify any conditions and/or limitations on an attached memo.

Signature Date



April 26, 2019

Aishwarya Sandineni, EI
Project Manager
Florida Department of Transportation
719 South Woodland Boulevard
Deland, Florida 32720-6834

RE: Citrus Tower Blvd. & Mohawk Rd.
FN # 439415-1-58-01
Proprietary Product Justification

Dear Ms. Sandineni:

Lake County is requesting to specify a proprietary product (Naztec ATC Type 1 Ethernet/70006-TS2/FL controller/cabinet) for this project for the purpose of synchronization, operation, and maintenance. The proprietary product is necessary for the satisfactory operation of the existing facility and interchangeable with the existing available product maintenance inventory, and for communication purposes with the existing Lake County ATMS system. The Lake County ATMS system was installed to more effectively and proactively manage traffic throughout the County. The communications system installed, as well as the sub-systems, will provide the local agency operations center with the ability to communicate to field devices within their jurisdiction. This allows operations personnel to utilize the devices to find areas of congestion, identify causes of congestion, and provide motorists with traffic information related to the congestion. This system will decrease congestion within the area, decrease emergency responder notification times, and decrease incident durations resulting in more accurate and reliable travel times throughout the County. As is the case throughout the County, the majority of the commutes are made in automobiles, which means the local roadways are inundated with vehicles. This heavy traffic volume leads to congestion, stalled vehicles, and crashes, which further decrease the capacity of the roadway. Intelligent Transportation Systems are an integral

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SEAN M. PARKS, *atc, qip*
District 2

WENDY R. BREUDEN
District 3

ELSIE CAMPIONI
District 4

JOSH BLAKE
District 5

part of providing innovative services, which help alleviate traffic congestion on local roadways and provides traffic information to motorists in Lake County.

Sincerely,

A handwritten signature in dark ink, appearing to read "George Gadiel", written in a cursive style.

George Gadiel

Proprietary Product Certification

To: Aish Sandineni
Design Engineer

Date: 4/26/19

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"I, George Gadiel, Traffic Engineer, of the Lake County Public Works,
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:

(x) that this patented or proprietary item is essential for synchronization with existing highway facilities.
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[Signature], 4/26/19
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"I, JAMES S. STROZ, JR., DIST. TRAFFIC OPS. ENGINEER,
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Identify any conditions and/or limitations on an attached memo.

[Signature], 5/14/19
Signature Date

For Federal Use Only (use for Full Federal Oversight projects)

"I, _____, _____,
Print Name Position title

of the _____, do hereby approve this certification request
Agency

made in accordance with the requirements of 23 CFR 635.411(a)(2).
Identify any conditions and/or limitations on an attached memo.

Signature Date



May 9, 2019

Aishwarya Sandineni, EI
Project Manager
Florida Department of Transportation
719 South Woodland Boulevard
Deland, Florida 32720-6834

RE: Citrus Tower Blvd. & Mohawk Rd.
FN # 439415-1-58-01
Proprietary Product Justification

Dear Ms. Sandineni:

Lake County is requesting to specify a proprietary product (Wavetronix radar detection) for this project for the purpose of synchronization, operation, and maintenance. This equipment is being requested for use instead of inductive loops for consistency with the County's existing traffic signal systems. Further justification for use of this proprietary product has been provided below.

Function

- Wavetronix radar detection provides reliable detection for all types of vehicles.
- Requires minimum maintenance.

Logistics

- Wavetronix radar detection is used throughout the County. County staff are familiar with the maintenance and operation of the devices.
- Use of Wavetronix radar detection will reduce the future cost of maintenance as they last significantly longer than loops.

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Synchronization

- Consistency in the traffic signal systems is critical due to limited County resources. Use of Wavetronix radar detection allows the County to leverage significant sunk cost in training, lesson learned, software and spare components.

In summary, Lake County is requesting approval for the use of the proprietary product listed in this document.

Sincerely,



George Gadiel