

PALM BEACH COUNTY
BOARD OF COUNTY COMMISSIONERS
AGENDA ITEM SUMMARY

Meeting Date:	June 19, 2018	<input checked="" type="checkbox"/> Consent	<input type="checkbox"/> Regular
		<input type="checkbox"/> Ordinance	<input type="checkbox"/> Public Hearing
Department:	Engineering & Public Works		
Submitted By:	Engineering & Public Works		
Submitted For:	Traffic Division		

I. EXECUTIVE BRIEF

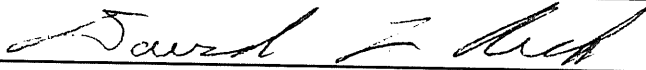

Motion and Title: Staff recommends motion to adopt: a Resolution to support the Florida Department of Transportation (FDOT) upgrade of the vehicle detection systems maintained by Palm Beach County (County) at 27 intersections to traffic video detection camera systems.

SUMMARY: Adoption of this Resolution will support the planned design and installation of video detection camera systems by FDOT at various mast arm signalized intersections maintained by the County. The video detection camera systems will replace the existing loop based detection systems at 27 intersections. This project has been prioritized by the Palm Beach County Transportation Planning Agency (TPA), under their Local Initiatives Program for construction in FY 2020. Countywide (LBH)

BACKGROUND: In-ground loop based vehicle detection systems are often subjected to damages from construction projects, diminishing the efficiency of the traffic signal system operation. Repairs to the loop based systems are also time consuming and laborious. The TPA has prioritized the replacement of the loop based vehicle detection systems at various mast-arm intersections, as listed in Attachment 2, throughout the County with video detection camera systems to improve reliability and efficiency of the traffic signal system operation. After completion of the upgrade, FDOT will transfer the maintenance and operation of the units to the County. This project has been scheduled for construction in FY 2020 with a total allocated budget of \$1,805,905 by FDOT.

Attachments:

1. Resolution (6)
2. Video Detection Upgrade List

Recommended By:		5/29/2018
	Department Director	Date
Approved By:		6/4/18
	Assistant County Administrator	Date

II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

Fiscal Years	2018	2019	2020	2021	2022
Capital Expenditures	\$ -0-	-0-	-0-	-0-	-0-
Operating Costs	-0-	-0-	-0-	-0-	-0-
External Revenues	-0-	-0-	-0-	-0-	-0-
Program Income (County)	-0-	-0-	-0-	-0-	-0-
In-Kind Match (County)	-0-	-0-	-0-	-0-	-0-
NET FISCAL IMPACT	\$ **	-0-	-0-	-0-	-0-
# ADDITIONAL FTE					
POSITIONS (Cumulative)					

Is Item Included in Current Budget? Yes No
Does this item include the use of federal funds? Yes No

Budget Acct No.: Fund__ Dept.__ Unit__ Object
Program

Recommended Sources of Funds/Summary of Fiscal Impact:

** The Department is responsible for the maintenance and operation of the Traffic Management System network. This item has a negligible fiscal impact due to increased maintenance costs that are indeterminable at this time and will be reflected in future annual operating budget requests.

C. Departmental Fiscal Review: *A. Kroll*

III. REVIEW COMMENTS

A. OFMB Fiscal and/or Contract Dev. and Control Comments:

[Signature] 5/24/18
OFMB
AK 5/24/18
5/23 com 5/23

[Signature] 5/30/18
Contract Dev. and Control
5/30/18 TW

B. Approved as to Form and Legal Sufficiency:

[Signature] 6/4/18
Assistant County Attorney

C. Other Department Review:

Department Director

This summary is not to be used as a basis for payment.

RESOLUTION NO. R-2018-

RESOLUTION OF THE BOARD OF COUNTY COMMISSIONERS OF PALM BEACH COUNTY, FLORIDA, SUPPORTING THE UPGRADE OF THE VEHICLE DETECTION SYSTEMS TO TRAFFIC VIDEO DETECTION CAMERA SYSTEMS BY THE STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION AT VARIOUS INTERSECTIONS THAT ARE MAINTAINED BY PALM BEACH COUNTY.

WHEREAS, the Florida Department of Transportation (FDOT) plans to design and install an upgrade of the vehicle detection systems maintained by Palm Beach County (County) at various mast arm intersections; and

WHEREAS, the County has maintenance and operation responsibility for vehicle detection systems at the identified intersections; and

WHEREAS, the County deems it in the public interest to support the upgrade of the in-ground loop based vehicular detection systems to video detection camera systems; and

WHEREAS, the County permits the FDOT and their representatives access to the County maintained traffic signals, traffic signal controller cabinets, conduits, and pull-boxes for installing the traffic video detection camera systems; and

WHEREAS, the County agrees to assume the maintenance and operation of the traffic video detection camera systems once installed and transferred by the FDOT.

NOW, THEREFORE, be it resolved by the Board of County Commissioners of Palm Beach County, Florida, that the recitations set forth herein above are true, accurate and correct and are incorporated herein.

This Resolution will take effect upon its adoption.

(REMAINDER OF PAGE INTENTIONALLY LEFT BLANK)

The foregoing Resolution was offered by Commissioner _____, who moved its adoption. The motion was seconded by Commissioner _____ and upon being put to a vote, the vote was as follows:

- COMMISSIONER MELISSA MCKINLAY, MAYOR -
- COMMISSIONER MACK BERNARD, VICE MAYOR -
- COMMISSIONER HAL R. VALECHE -
- COMMISSIONER PAULETTE BURDICK -
- COMMISSIONER DAVE KERNER -
- COMMISSIONER STEVEN L. ABRAMS -
- COMMISSIONER MARY LOU BERGER -

The Mayor thereupon declared the Resolution duly passed and adopted this day of _____ 2018.

PALM BEACH COUNTY, FLORIDA BY
ITS BOARD OF COUNTY
COMMISSIONERS

By: _____
Melissa McKinlay, Mayor

APPROVED AS TO FORM AND LEGAL
SUFFICIENCY

SHARON R. BOCK, CLERK AND
COMPTROLLER

By: _____
Yelizaveta Herman
Assistant County Attorney

By: _____
Deputy Clerk

Video Detection Upgrade List for Various Intersections

Replace inductive loops with video detection cameras at the following 27 intersections:

TEQUESTA DR & OLD DIXIE HWY
INDIANTOWN RD & FL TURNPIKE
HOOD RD & MILITARY TR
HOOD RD & ALT A1A
I-95/KYOTO GARDENS DR & MILITARY TR
LAKE VICTORIA GARDENS AVE & ALT A1A
LOWES & CONGRESS AVE
SILVER BEACH BLVD & R CONGRESS AVE
CANOPY LN & CONGRESS AVE
BLUE HERON BLVD & MILITARY TR
45 ST & HAVERHILL RD
45 ST & CORPORATE WAY
CLEMATIS ST & QUADRILLE BLVD – completed by PBC in 2017.
HIBISCUS ST & QUADRILLE BLVD
BELVEDERE RD & MAYACOO LAKES BLVD/WALMART
PIKE RD & FL TURNPIKE
GUN CLUB RD & CONGRESS AVE
SUMMIT BLVD & PINE-JOG ELEM SCHOOL
FOREST HILL BLVD & OLYMPIA BLVD
STRIBLING WAY & DONAHUE WAY EQUESTRIAN
HYPOLUXO RD & LYONS RD
HYPOLUXO RD & SMITH FARM BLVD
HYPOLUXO RD & HAGEN RANCH RD
PARK VISTA HIGH SCHOOL & JOG RD
BOYNTON BEACH MALL D & CONGRESS AVE
BOYNTON BEACH MALL E & CONGRESS AVE
SW 3RD ST & LYONS RD

Note: Clematis Street and Quadrille Boulevard intersection completed by Palm Beach County in 2017.

FDOT requested a replacement location, however, by the time one was provided it was too late for the tight deadline.

Schedule

Constructability Date: 9/14/2018

Biddability Date: 8/20/2019

Production Date: 12/2/2019

Letting Date: 3/25/2020