Agenda Item #: 3-C-15

# PALM BEACH COUNTY BOARD OF COUNTY COMMISSIONERS AGENDA ITEM SUMMARY

Meeting Date:	May 16, 2023	[X] [ ]	Consent Workshop	[]	Regular Public Hearing
Department:	Engineering & P	ublic Wo	rks		
Submitted By:	Engineering & Public Works				
Submitted For:	Traffic Division				

#### I. EXECUTIVE BRIEF

#### Motion and Title: Staff recommends motion to:

- A) adopt a Resolution to support the submittal of a Local Initiatives Program (LIP) grant application through the Palm Beach Transportation Planning Agency (TPA) to the Florida Department of Transportation (FDOT) for funding to install flashing yellow arrow(s) (FYA) at twenty-nine signalized intersections throughout Palm Beach County (County); and to commit to fund the local share of Project delivery and the associated ongoing operation and maintenance expenses;
- **B)** approve the 2023 Application for Project Funding for Local Initiatives Construction Projects with the TPA.

SUMMARY: Adopting this Resolution will support the County's LIP application submittal for improving the safety and operation of twenty-nine signalized intersections throughout the County, as listed in Exhibit A to the Resolution. If selected, the proposed Project will be built within the existing County or applicable municipal road right-of-way, and the County will enter into a grant reimbursement agreement with the FDOT. As part of the application process, the TPA requires this Resolution to support the LIP application submittal, and the County's commitment to design, construct, and operate and maintain the Project after construction. The LIP grant will fund the Project's construction costs, estimated at \$3,062,143.02. The County's local participation is estimated to be \$1,631,020.93 of voluntary funding for the Project's design and construction management. Funding provided by the LIP for construction will be programmed in 2028. Countywide (YBH)

**Background and Justification:** The FDOT's LIP is a cost-reimbursement program where projects are submitted to the TPA for ranking and prioritization. The Project includes adding FYA for certain left and/or right turns and upgrading the traffic signal controllers at the Project locations. The Project will enhance the safety and operations at the Project locations.

#### Attachments:

- 1. Resolution with Exhibit A
- 2. 2023 Application for Project Funding for Local Initiatives Construction Projects with Exhibit A

Recommended By:	Davy Zhit	, 5/4/23
	County Engineer	Date
Approved By:	Assistant County Administrator	5/10/23 Date

#### II. FISCAL IMPACT ANALYSIS

#### A. Five Year Summary of Fiscal Impact:

Fiscal Years	2023	2024	2025	2026	2027
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 IMPAT	-0-	-0-	-0-	-0-	-0-
# ADDITIONAL FTE					
POSITIONS (Cumulative) _	-0-	-0-	-0-	-0-	-0-

Is Item Included in Current Budget?

Does this item include the use of federal funds?

Yes No v

Budget Account No:

Fund

Dept

Unit

Object

#### Recommended Sources of Funds/Summary of Fiscal Impact:

\*\* This item has no fiscal impact at this time. Funding for construction provided by the Local Initiatives Program (LIP) will be programmed in 2028; If and when the LIP grant is selected and approved for funding by FDOT, it will be brought back to the Board of County Commissioners as an agenda item that includes the complete fiscal impact as well as a budget amendment to recognize the grant revenue and appropriate it to the expense budget.

C. Departmental Fiscal Review:

III. REVIEW COMMENTS

A. OFMB Fiscal and/or Contract Dev. and Contract	converts:  Convert Dev. and Control  Total 5/9/23
and Legal Sufficiency:	

C. Other Department Review:

Department Director

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

#### RESOLUTION NO. R2023-

RESOLUTION OF THE BOARD OF COUNTY COMMISSIONERS OF PALM BEACH COUNTY, FLORIDA, SUPPORTING THE SUBMITTAL OF AN APPLICATION TO THE PALM BEACH TRANSPORTATION PLANNING AGENCY FOR THE FLORIDA DEPARTMENT OF TRANSPORTATION LOCAL INITIATIVES PROGRAM FOR FUNDING THE UPGRADE OF TWENTY-NINE SIGNALIZED INTERSECTIONS TO INCLUDE FLASHING YELLOW ARROW; COMMITTING TO FUND THE LOCAL SHARE OF PROJECT DELIVERY AND THE ASSOCIATED ONGOING OPERATION AND MAINTENANCE EXPENSES; AND PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, Palm Beach County (County) is eligible to apply for funding in an amount not to exceed \$5 million from the Florida Department of Transportation (FDOT) Local Initiatives Program (LIP) through the Palm Beach Transportation Planning Agency (TPA); and

WHEREAS, the County plans to make improvements to twenty-nine (29) intersections as, listed in Exhibit A, that are owned by the County (Project); and

WHEREAS, the Project includes adding flashing yellow arrow for certain left and/or right turns and upgrading the traffic signal controllers; and

WHEREAS, the Project will improve safety and operations at the Project locations; and WHEREAS, the Project will be constructed within the County or applicable municipality road right-of-way; and

WHEREAS, construction of the Project is estimated to cost \$3,062,143.02; and

WHEREAS, FDOT will reimburse the County only for eligible construction costs associated with the Project in an amount not to exceed \$5,000,000; and

WHEREAS, the County will fund the costs of design and construction management, estimated at \$1,631,020.93; and

WHEREAS, after construction of the Project, the County agrees to operate and maintain the Project contingent upon an annual appropriation by the Board of County Commissioners.

## NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF PALM BEACH COUNTY, FLORIDA, that:

- 1. The foregoing recitals are true, accurate and correct and are incorporated herein.
- 2. The Board of County Commissioners hereby supports the submittal of the application to the TPA for the LIP funding of the Project.
- 3. If the Project is selected for funding by the TPA, the County agrees to design and construct the Project and agrees to operate and maintain the Project after construction, contingent upon an annual appropriation by the Board of County Commissioners.
- 4. This Resolution shall take effect upon adoption.

The foregoing Resolution was offered by Commiss	sioner who	moved
for its adoption. The motion was seconded by Con	nmissioner	_ and
upon being put to a vote, the vote was as follows:		
Commissioner Gregg K. Weiss, Mayor	-	
Commissioner Maria Sachs, Vice Mayor	-	
Commissioner Maria G. Marino	-	
Commissioner Michael A. Barnett	-	
Commissioner Marci Woodward	<b></b>	
Commissioner Sara Baxter	-	
Commissioner Mack Bernard		
The Mayor thereupon declared the Resolut	tion duly passed and adopted this	_ day of
, 2023.		
	PALM BEACH COUNTY, A POI SUBDIVISION OF THE STA FLORIDA BY AND THROUG BOARD OF COUNTY COMMISSI	TE OF
APPROVED AS TO FORM AND LEGAL SUFFICIENCY	JOSEPH ABRUZZO, CLERK OF T CIRCUIT COURT AND COMPTR	
BY: /s/Yelizaveta 3. Herman	BY:	_
Yelizaveta B. Herman Assistant County Attorney	Deputy Clerk	
APPROVED AS TO TERMS AND CONDITIONS		
BY: motor Office		
Motasem Al-Turk Traffic Division, Director		
TIGHTIO TATATOR' PARCONI		

## Exhibit A

### **Signalized Intersection Locations**

Ĺ	Intersection ID	East West Street	North South Street
1.	5300	INDIAN CREEK DR W/E	S CENTRAL BLVD (North Intersection)
2.	8935	DONALD ROSS RD	PORT CIRCLE
3.	11478	HOOD RD	FRENCHMAN'S CROSSING
4.	12210	VICTORIA FALLS BLVD	MILITARY TRAIL
5.	12541	UNIVERSE BLVD/OAK HARBOUR DR	ELLISON WILSON RD
6.	17370	NORTHLAKE BLVD	OLD DIXIE HWY
7.	21090	W 13TH ST	AUSTRALIAN AVE
8.	22050	60TH ST N	SEMINOLE PRATT-WHITNEY RD
9.	22075	60TH ST N	ROYAL PALM BEACH BLVD
10.	27121	ROEBUCK RD	HAVERHILL RD
<b>11.</b>	<b>2</b> 751 <b>5</b>	VISTA PARKWAY N	N JOG ROAD
12.	28240	WESTGATE AVE	INDIAN RD/QUAIL DR
13.	29058	BELVEDERE RD	PIKE RD
14.	29287	BELVEDERE RD	FLA MANGO RD
15.	37600	LANDAR DR	MILITARY TRAIL
16.	38400	HERITAGE ELEM SCHOOL	HAVERHILL RD
17.	41648	HYPOLUXO RD	RIVERMILL CLUB DR/SILVERWOOD DR
18.	41651	HYPOLUXO RD	ADONIS RD
19.	41835	80TH LN S (MINER RD)	MILITARY TR
20.	45610	OLD BOYNTON RD	RENAISSANCE COMMONS BLVD
21.	46450	LAKE ROYAL RD/CANYON LAKES BLVD	LYONS RD
22.	47465	SHOPPES AT WOOLBRIGHT	JOG RD
23.	50075	BLUE MOUNTAIN AVENUE	LYONS ROAD
24.	50250	FLAVOR PICT RD	EL CLAIR RANCH RD
25.	53008	VIA LAMPIONE/GATEWAY RD	HAGEN RANCH RD
26.	53600	SOUTH COUNTY COMPLEX	CONGRESS AVE
27.	56900	BEAUJOLAIS AVE/GOLDEN GATE AVE (BRIDGES PUD)	LYONS RD
28.	58002	CLINT MOORE RD	OAKS CLUB DR
29.	67402	MARINA BLVD/SW 18TH ST	EDGEWOOD PKWY



# 2023 APPLICATION FORM Project Funding for Local Initiatives (LI) Construction Projects

Project Title Flashing Yellow Left & Right Turn Arrow Upgrade

Applicant Palm Beach County Engineering & Public Works - Traffic Division

#### WHAT DO YOU WANT TO BUILD?

Briefly provide a general description of the project and what it will accomplish.

For the twenty-nine traffic signals we are proposing to add flashing yellow arrows for left turns and where applicable, right turns. We will be upgrading each controller cabinet, adding LED turninaries for street lighting where applicable and upgrading 11 intersections to include back plates to improve visibility. Through these improvements, we will be improving safety and travel time reliability for pedastrians and motorists.

travel time reliability for	pedestrians and motorists.
WHO OWNS THE R	IGHT-OF-WAY?
built. Resolution of	applicant and/or another agency owns the right-of-way where the project will be support from facility owner clearly indicating that the project may be constructed as attachment (see submittal checklist).
☑ Applicant	Other Entities
·	Requires resolution letter from owner allowing project to be built.
See attached right	of way documents for more information.
WHO IS DOING WH	AT?
	boxes. All projects an state highways must be administered and constructed by FDOT. For projects

Check the applicable boxes. All projects on state highways must be administered and constructed by FDOT. For projects on local roadways (county or city), the applicant may administer the project or ask FDOT to administer the project on their behalf. Locally administered projects require a Local Agency Program (LAP) agreement to administer Federal Aid projects in accordance with FDOT's <u>Local Agency Program Manual</u> (topic no. 525 010 300).

	Administered by:	Funded by:
Design (PE)	<ul> <li>☑ Applicant or consultant<sup>(1)(2)</sup></li> <li>☑ FDOT (requires prior approval)</li> </ul>	<ul><li>Applicant (required if locally administered)</li><li>TPA (if FDOT administered)</li></ul>
Construction (CST)	<ul> <li>☑ Applicant or consultant (1)</li> <li>☐ FDOT (requires prior approval)</li> <li>☐ Other:</li> </ul>	☐ Applicant ☐ TPA
Const Eng & Inspect (CEI)	<ul> <li>☑ Applicant or consultant (1)(2)</li> <li>☑ FDOT (requires prior approval)</li> </ul>	<ul><li>Applicant (if locally administered project)</li><li>TPA (if FDOT administered project)</li></ul>

- (1) FDOT pre-qualified consultants must be used on all design and CEI work for critical projects (a project is considered critical when it is on the State Highway System (SHS), features a major structure, and/or has a budget greater than \$10 million)
- (2) Design consultant and CEI consultant shall not be the same.

#### APPLICANT CONTACT INFORMATION

Contact Person Melissa Ackert

Title Assistant Director, Traffic Division

Email MAckert@pbcgov.org

Phone Number 561-684-4030

Address 2300 N Jog Rd, West Palm Beach, FL 33411

#### **PROJECT LOCATION**

Road Name Mulitple Intersections, See Figure 1
Road Number Multiple Intersections, See Figure 1

Project Limit Begin North County Line
Project Limit End South County Line

#### **QUALIFYING ACTIVITIES FOR FUNDING**

Check the box that represents the majority of the work the proposed project will address. <u>Eligible activities</u> must be consistent with details described under <u>23 U.S.C. 133(b)</u>.

<u>~</u>	Complete Street projects - Including Lane Narrowing, Lane Elimination, Bicycle Facilities, Pedestrian Facilities, Transit Infrastructure, Intelligent Transportation Systems (ITS), Median Modifications, Signing and lighting, Turn Lanes, Traffic Signals, Striping and Marking.
	Transit capital - purchase of vehicles, shelters, park-and-ride facilities. Can also pay up to 50% of a 3-year turn-key contract for new transit service (e.g. trolley service)
	Non-motorized infrastructure - Separated, Buffered and/or designated bike lanes, Sidewalks, Shared-use paths, Street lighting
	Freight efficiency - Airport or seaport off-site capacity improvements, Railway capacity improvements, Truck movement improvements.
	Other eligible activities not specified above

#### PROJECT TYPICAL SECTION INFORMATION

Complete the fallowing information for <u>existing & proposed</u> features, dimensions, & right of way lines. The typical section information provides an understanding of the spacing requirement differences between the existing facilities and the proposed facilities.

	EXISTING	PROPOSED
RIGHT-OF-WAY WIDTH Project must fit within current ROW, acquisition is not permitted	See Attached	See Attached
Project must be within current NOW, acquisition is not permitted		
PEDESTRIAN OR MULTIUSE FACILITIES		
Length (miles) for one direction. Do not count both sides of roadway.	0	0
Width on North or West side (feet)*	0	0
Width on South or East side (feet)*	0	0
BICYCLE FACILITIES		
Bike Lane Length (feet) for one direction. Do not count both sides of roadway.	0	0
Width on North or West side (feet)* (not Including Buffer Width)	0	0
Buffer Width on North or West side (feet)*	0	0
Width on South or East side (feet)* (not Including Buffer Width)	0	0
Buffer Width on South or East side (feet)*	0	0
Proposed improvements requires:		
Pavement widening Sharrows Restriping	1	
MOTORIZED VEHICLE FACILITIES		The second secon
Number of Through Travel Lanes	0	0
Typical Through Lane Width (feet)	0	_0
Total Width* (No. Travel Lanes x Lane Width)	<u> </u>	<u> </u>
Posted Speed Limit	0	0
Design Speed (if known)	0	0
MEDIAN/SWALE/CURB		
Median/Center Turning Lane Width (feet)*	0	0
Swale Width (feet)*	0	0
Curb Width (feet)*	0	0
*TOTAL WIDTH OF ALL COMPONENTS (Add all rows with red for total width) Must fit within existing right-of-way.	0	0

#### **RIGHT-OF-WAY OWNERSHIP DOCUMENTATION**

Describe the project's existing right-of-way ownerships. This description shall identify when the right-of-way was acquired and how ownership is documented (i.e. plats, deeds, prescriptions, certified surveys, easements). If right-of-way is an easement, please describe the easement language. Right-of-way ownership verification documents are a required attachment (see submittal checklist on page 9).

All project locations are within County right of way. Please see attached documents for right-of-way ownership.

## **PROJECT SCOPE OF WORK** Describe how the proposed improvements will affect the following: ADA items (crosswalks, sidewalks, ramps, etc.) All proposed crosswalks, sidewalks, ramps, etc. comply with ADA standards YES V NO We will not be adding ADA items. Access Management revisions (median modifications, impacts to driveways, etc.) YES NO We will not be adding access management revision. Pedestrian and/or Roadway Lighting Pedestrian lighting proposed YES V NO Roadway lighting proposed YES NO At multiple intersections we will be adding/upgrading to LED luminaries attached to traffic signals. Landscape (with Local Funds) Median landscape proposed YES NO Irrigation items proposed YES NO Other landscape proposed YES NO We will not be adding landscaping. Signalization YES NO Existing signalization to be replaced YES NO Pedestrian signals proposed New traffic signalization proposed V YES NO At all intersections we will be adding a four section signal head that has a flashing yellow arrow for left turns. Where there is a right turn lane, we will be adding a four section head that has a flashing yellow arrow for right turns. We will be adding back plates to each signal head where applicable.

www.PalmBeachTPA.org

YES NO

We will not be adding these types of transit improvements.

Existing flashing school zone signal on state road YES VNO
High emphasis cross walk at unsignalized crossing YES VNO

YES NO Transit provider concurrence provided YES NO

**Transit Improvements** 

Upgrade existing bus bay area

**School Zone Modifications** 

We will not be modifying school zones.

Queue jump possible

Utility Modifications  Sub-surface relocation is required YES NO  We will not be modifying utilities.	Utility coordination is required YES NO
Drainage and/or other Permits  Existing closed drainage system to remain YES VI  Existing open drainage system to remain YES VI  We will not be effecting drainage and/or other per	<del>1</del> 0
Railroad Crossing Modifications  Rail crossing within limits YES VNO  We will not be modifying railroad crossings.	Replace railroad signal equipment and gates 🔲 YES 📝 NO
Bridge Modifications  Proposed pedestrian bridge YES NO  Proposed bridge widening YES NO  We will not be modifying bridges.	Bridge replacement YES NO
	e with flashing yellow arrows, upgrading controller iminaries to mast arms where applicable and back do not currently have them.
Summarize any special characteristics of the project.	ry navagod ka mili grain planta hakulla. Egyalda j diya kapunun projenting ka na da daki in maninka kalip kan penindan udik ka kandada Par Pilagha ni wini ya kalibi ka ka na kandada ni kalibi kalibi kandada Pangal kan ka kana da kalibi kangan kandada kandada kandada kandada kandada ni kalibi kandada Pangal kan kana kan ma ka na ma kana pana ka kalibi kanya kahan palaba panga kandada kandada Manindan da ka kandada pangal kana kana kana ma kana pana ka kalibi kanya kandada kandada kana kana kana kana ka
Identify any upcoming projects or projects currently undo	
the proposed project.  Other specific project information that should be considered.	
Please see attached report on the safety benefits converted to a monetary value of \$21 million over installation of the FYA and backplate enhancement	the life of the project) on crashes from the

www. PalmBeach TPA.org

#### **PUBLIC INVOLVEMENT AND SUPPORT**

Describe the public outreach and support for the project (i.e. petitions, written endorsements, resolutions, etc.). Attach documentation.

#### Not applicable

Projects impacting single family residential lots will require additional documentation of public support. Additional documentation must indicate that all property owners directly affected by the improvement were notified, that at least 25 percent of the property owners showed support for the project, and that no more than 10 percent of the property owners showed lack of support.

#### PROJECT MAINTENANCE

Document ownership and maintenance responsibilities for the project when complete. Applicant's Resolution of Support and commitment to fund operations and maintenance of the project is a required attachment. See submittal checklist on page 9).

Please see attached letter for accepting maintenance responsibilities once projects are completed.

www.PalmBeachTPA.org

#### **COST ESTIMATE**

The total construction amount of Local Initiatives Program funds requested per projects (infrastructure) must be in excess of \$250,000 with a maximum project amount of \$5,000,000.

Local Initiatives Program funds will be used to fund Construction, Construction Engineering and Inspection Activities (CEI) and FDOT in-house support activities. The applicant may also request that Local Initiative Program funds be used for project Design, Environmental Services, and Post Design Services.

Local Funds (LF) will be used for all non-participating items, contingency activities, and any costs in excess of the awarded funding (LI) allocation.

- (a) Provide detailed project cost estimate using one of the following forms. Estimate shall be broken down to eligible and non-eligible project costs. Estimates are to be prepared and signed by a Professional Engineer from the Local Agency's Engineering office.
  - a. On-System (on State Highway System) Cost Estimate Sheet
  - b. Off-System (not on State Highway System) Cost Estimate Sheet

Use the following links to access the basis of estimates manual as well as historical information for the project area.

Basis of Estimates Manual Historical Cost Information

#### **CERTIFICATION OF PROJECT SPONSOR**

Fatmeh Jafar PH.D, PE I hereby certify that the proposed project herein described is supported by (municipal, county, state or federal agency, or tribal council) and that said entity will: 1) provide any funding required in addition to the grant amount; 2) enter into a LAP and maintenance agreement with the Florida Department of Transportation; 3) have complied with the Federal Uniform Relocation Assistance and Acquisition Policies Act for any Right of Way actions intended for this project previously performed within the project limits; 4) will comply with NEPA process prior to construction, which may involve coordination with the State Historic and Preservation Office (SHPO); and 5) support other actions necessary to fully implement the proposed project. I further certify that the estimated costs included herein are reasonable, and that increases in these costs could cause significant increase to the local agency required participation. I understand failure to follow through on the project once programmed in the Florida Department of Transportation's Work Program is not allowed. Fatmeh Jafar Ph.D, PE Name (please type or print) Manager - Traffic Signals & Lighting Design Title 02/16/2023 Date

FOR FDOT USE ONLY			
Application Complete	Yes	No	
Project Eligible	Yes	No	
Implementation Feasible	Yes	No No	
Include in Work Program	Yes	No	

www.PalmBeachTPA.org