

**PALM BEACH COUNTY
BOARD OF COUNTY COMMISSIONERS
AGENDA ITEM SUMMARY**

Meeting Date:	May 16, 2023	<input checked="" type="checkbox"/>	Consent	<input type="checkbox"/>	Regular
		<input type="checkbox"/>	Workshop	<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:

- A) adopt** a Resolution to support the submittal of an application through the Palm Beach Transportation Planning Agency (TPA) to the Florida Department of Transportation (FDOT) State Road Modification Program (SRMP) for funding the installation of flashing yellow arrow(s) (FYA) at thirteen signalized intersections throughout Palm Beach County (County);

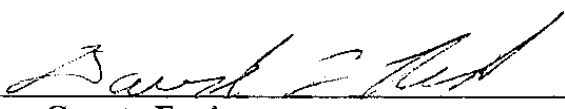
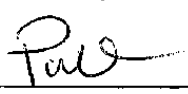
- B) approve** the 2023 Application for Project Funding for State Road Modifications with the TPA.

SUMMARY: Adopting this Resolution will support the County’s SRMP application submittal for improving the safety and operation of thirteen intersections owned by FDOT throughout the County (Project). If selected, the Project will be built by FDOT within the existing FDOT road right-of-way. As part of the application process, the TPA requires this Resolution to support the SRMP application submittal, and the County’s commitment to operate and maintain the Project after construction, pursuant to the Traffic Signal Maintenance and Compensation Agreement between the County and the FDOT (R2018-0886), as may be amended (TSMCA). The Project is estimated to cost \$2,103,122.07 and the FDOT will administer, design and construct the Project on behalf of the County in an amount not to exceed \$5,000,000. The County will have no financial obligation if the Project is not selected. Countywide (YBH)

Background and Justification: The County maintains and operates traffic signals and pedestrian warning flashers on the State Highway System, pursuant to the TSMCA. The County is eligible to apply for funding in an amount not to exceed \$5 million from the FDOT SRMP through the TPA. 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 State Road Modifications with Exhibit A

Recommended By:		5/13/23
	County Engineer	Date
Approved By:		5/8/23
	Assistant County Administrator	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 IMPACT	-0-	-0-	-0-	-0-	-0-
# ADDITIONAL FTE POSITIONS (Cumulative)	-0-	-0-	-0-	-0-	-0-

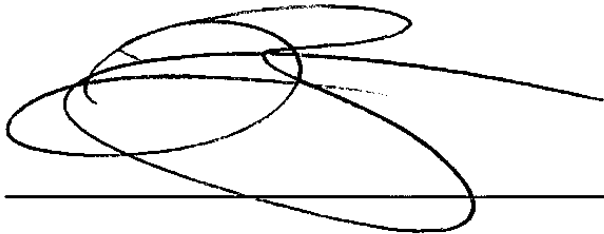
Is Item Included in Current Budget? Yes No
 Does this item include the use of federal funds? Yes No

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 the design and construction provided by the State Road Modification Program (SRMP) through the Palm Beach Transportation Planning Agency (TPA). If and when the Florida Department of Transportation (FDOT) State Road Modification Program (SRMP) funding is selected and approved for funding by the Transportation Planning Agency (TPA), 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 Control Comments:

Lisa Mate 4/26/2023
 OFMB JA 4/20 BA 4/26
 MD 4/20 mlk/ka

[Signature] 5/14/23
 Contract Dev. and Control
 TPA 5/4/23

B. Approved as to Form and Legal Sufficiency:

[Signature] 5/8/2023
 Assistant County Attorney

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 STATE ROAD MODIFICATION PROGRAM FOR FUNDING THE UPGRADE OF THIRTEEN SIGNALIZED INTERSECTIONS OWNED BY FDOT TO INCLUDE FLASHING YELLOW ARROW(S); AND PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, Palm Beach County (County) maintains and operates traffic signals and pedestrian warning flashers on the State Highway System (SHS), pursuant to the Traffic Signal Maintenance and Compensation Agreement between the County and the Florida Department of Transportation (FDOT) executed on July 1, 2018 (R-2018-0886), as may be amended (TSMCA); and

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

WHEREAS, the County is proposing to obtain SRMP funding for FDOT to make improvements to thirteen (13) signalized intersections, all of which are owned by the FDOT as listed in Exhibit A (Project); and

WHEREAS, FDOT supports the COUNTY's SRMP application, and if awarded, requires the Project design to meet all applicable FDOT criteria and standards; and

WHEREAS, the Project includes adding flashing yellow arrow(s) 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 completely within the FDOT's right-of-way; and

WHEREAS, the Project is estimated to cost \$2,103,122.07; and

WHEREAS, FDOT will administer, design, and construct the Project on behalf of the County in an amount not to exceed \$5,000,000; and

WHEREAS, after construction of the Project, the County agrees to operate and maintain the Project pursuant to the TSMCA.

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 SRMP funding of the Project.
3. If the Project is selected for funding by the TPA, the County agrees to operate and maintain the Project pursuant to the TSMCA after construction.
4. This Resolution shall take effect upon adoption.

The foregoing Resolution was offered by Commissioner _____ who moved for its adoption. The motion was seconded by Commissioner _____ 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 -
- Commissioner Sara Baxter -
- Commissioner Mack Bernard -

The Mayor thereupon declared the Resolution duly passed and adopted this _____ day of _____, 2023.

PALM BEACH COUNTY, A POLITICAL
SUBDIVISION OF THE STATE OF
FLORIDA BY AND THROUGH ITS
BOARD OF COUNTY COMMISSIONERS

APPROVED AS TO FORM AND LEGAL
SUFFICIENCY

JOSEPH ABRUZZO, CLERK OF THE
CIRCUIT COURT AND COMPTROLLER

BY: /s/Yelizaveta B. Herman
Yelizaveta B. Herman
Assistant County Attorney

BY: _____
Deputy Clerk

APPROVED AS TO TERMS
AND CONDITIONS

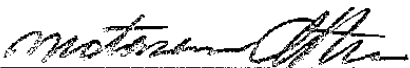
BY: 
Motasem Al-Turk
Traffic Division, Director

Exhibit A

Signalized Intersection Locations

	Intersection ID	East/West Street	North/South Street
1.	4200	Indiantown Road	Beeline Highway (SR 710)
2.	5200	Ocean Way	US 1
3.	20497	22nd Street	Broadway (US 1)
4.	22390	49th Street	Broadway (US 1)
5.	27487	Fern Street	S Quadrille Boulevard
6.	30695	Southern Boulevard (SR 80/US 98)	Arden Lakes Way
7.	30722	Southern Boulevard (SR 80/US 98)	D road
8.	33430	Forest Hill Boulevard (SR 882)	16th Place South
9.	35000	Palomino Drive	SR 7 (US 441)
10.	36800	2nd Avenue N	Congress Avenue
11.	38900	50th Street / Windsor Lakes Boulevard	SR 7 (US 441)
12.	53010	W Atlantic Avenue	Stone Quarry Boulevard / Lexington Club Boulevard
13.	56601	Lindell Boulevard / Avenue I	S Federal Highway (US 1)



2023 APPLICATION FORM Project Funding for State Road Modifications (SRM)

Project Title **Flashing Yellow Left & Right Turn Arrow Upgrade**
Applicant **Palm Beach County Engineering & Public Works - Traffic Division**

WHAT DO YOU WANT TO BUILD?

In no more than 3 sentences, provide a general description of the project and what it will accomplish.

We are proposing to add flashing yellow arrows for left turns and where applicable, right turns for thirteen intersections. We will be upgrading each controller cabinet, adding LED luminaries for street lighting where applicable and upgrading 4 intersections to include back plates (that do not already have them on the signal heads) to improve visibility. Through these improvements, we will be improving safety and travel time reliability for pedestrians and motorists.

WHO OWNS THE RIGHT-OF-WAY?

Check whether FDOT and/or another agency owns the right-of-way where the project will be built. If the project is located on a State road, documentation showing FDOT support for the project is required.

- FDOT
- Other Entities _____
 Requires resolution letter from owner allowing project to be built.

If modifying an existing FDOT project, please list either the project FM number or details for the project.

WHO IS DOING WHAT?

Check the applicable boxes. All projects on state highways must be administered and constructed by FDOT, unless otherwise indicated by FDOT.

	<u>Administered by:</u>	<u>Funded by:</u>
Design (PE)	<input checked="" type="checkbox"/> FDOT <input type="checkbox"/> Other: _____	<input checked="" type="checkbox"/> FDOT/TPA <input type="checkbox"/> Other: _____
Construction (CST)	<input checked="" type="checkbox"/> FDOT <input type="checkbox"/> Other: _____	<input checked="" type="checkbox"/> FDOT/TPA <input type="checkbox"/> Other: _____
Cst Eng & Inspect (CEI)	<input checked="" type="checkbox"/> FDOT <input type="checkbox"/> Other: _____	<input checked="" type="checkbox"/> FDOT/TPA <input type="checkbox"/> Other: _____

Please note: the SRM program is intended for projects on the State roadway. Therefore, most of the projects will be designed and constructed by FDOT. The "Other" option should only be checked if either the TPA or FDOT have instructed you to do so.

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 **Multiple 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. Eligible activities must be consistent with details described under 23 U.S.C. 133(b).

- Complete Street projects - Including Lane Narrowing, Lane Elimination, Bicycle Facilities, Pedestrian Facilities, Transit Infrastructure, Intelligent Transportation Systems (ITS), Median Modifications, Signing and lighting, Roadway Lighting, Striping and Marking.**
- Intersection Improvements - Turn lanes, traffic signals and other intersection modifications.**
- Freight efficiency - Airport or seaport off-site capacity improvements, Truck movement improvements.**
- Other eligible activities not specified above**

PROJECT TYPE

Check whether the project is a Stand-Alone Project or a Modification to Existing Project.

- Stand-Alone Project:** an application for a new project that has no preexisting project within the same limits. When funded, design will be programmed into the new fifth year of the Transportation Improvement Program, with construction in later years.
- Modification to Existing Project:** an application seeking to modify an already programmed or soon to be programmed project. When funded, the application will follow the timeline of that project, if funding is available.

If modifying an existing FDOT project, please list either the project FM number or details for the project.

PROJECT TYPICAL SECTION INFORMATION

Complete the following information for existing & proposed 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		
PEDESTRIAN OR MULTIUSE FACILITIES		
Length (miles) for one direction. Do not count both sides of roadway.		
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.	2040	2040
Width on North or West side (feet)* (not including Buffer Width)	5	5
Buffer Width on North or West side (feet)*	0	0
Width on South or East side (feet)* (not including Buffer Width)	5	5
Buffer Width on South or East side (feet)*	0	0
Proposed improvements requires:		
Pavement widening <input type="checkbox"/> Sharrows <input type="checkbox"/> Restriping <input checked="" type="checkbox"/>		
MOTORIZED VEHICLE FACILITIES		
Number of Through Travel Lanes	0	0
Typical Through Lane Width (feet)	0	0
Total Width* (No. Travel Lanes x Lane Width)	0	0
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.	10	10

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).

Please see attachments.

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 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 revisions.

Pedestrian and/or Roadway Lighting

Pedestrian lighting proposed YES NO Roadway lighting proposed YES NO

At multiple intersections we will be adding LED luminaires.

Landscape (with Local Funds)

Median landscape proposed YES NO Other landscape proposed YES NO
Irrigation items proposed YES NO

We will not be adding landscaping.

Signalization

Pedestrian signals proposed YES NO Existing signalization to be replaced YES NO
New traffic signalization proposed YES NO

At all intersections we will be adding a four section signal head that has a flashing yellow arrow for left turns. Where applicable, we will be adding a four section head that has a flashing yellow for right turns. We will be adding back plates to each signal head where applicable.

Transit Improvements

Queue jump possible YES NO Transit provider concurrence provided YES NO
Upgrade existing bus bay area YES NO

We will not be adding transit improvements.

School Zone Modifications

Existing flashing school zone signal on state road YES NO
High emphasis cross walk at unsignalized crossing YES NO

We will not be modifying school zones.

Utility Modifications

Sub-surface relocation is required YES NO

Utility coordination is required YES NO

We will not be modifying utilities.

Drainage and/or other Permits

Existing closed drainage system to remain YES NO

Existing open drainage system to remain YES NO

We will not be effecting drainage and/or other permits.

Railroad Crossing Modifications

Rail crossing within limits YES NO

Replace railroad signal equipment and gates YES NO

We will not be modifying railroad crossings.

Bridge Modifications

Proposed pedestrian bridge YES NO

Bridge replacement YES NO

Proposed bridge widening YES NO

We will not be modifying bridges.

Other Scope Items

We will be adding signal heads that are compatible with flashing yellow arrows, upgrading controller cabinets to support flashing yellow arrows, LED luminaires to mast arms where applicable and back plates to signal heads where applicable.

Summarize any special characteristics of the project.

When PTA for right-of-way is used, safety concerns associated with vehicle/pedestrian conflicts can be reduced. A typical signal operation provides for a "flashing yellow" indicator to be displayed concurrently with the adjacent roadway signal green indication and requires right-of-way vehicles to yield to pedestrians in a very common scenario in this system. The PTA provides an up-side signal head for right-of-way but retains the driver green indication with a PTA, a more visible display that better identifies the message and requires road to yield to crossing pedestrian. The PTA can also be placed when pedestrian drivers are significant distance. Detailed details can be obtained at the PTA sign head location the distance for the appropriate horizontal from the required through movement, allowing for appropriate configurations for project location more appropriate to situation when there are no conflicts with other transportation elements.

Identify any upcoming projects or projects currently underway adjacent to the proposed project.

We do not have any knowledge of upcoming projects or projects currently underway adjacent to the proposed project.

Other specific project information that should be considered.

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, outside of FDOT's maintenance responsibilities, is required. (See submittal checklist).

Please see attached letter for accepting maintenance responsibilities once project is complete.

TARGET SPEED

If the project has a defined Target Speed, please describe why that speed is appropriate for the context classification and what preliminary speed management tools are being utilized. Please note that support for the defined Target Speed from the local governing body must be included in the resolution to receive points. For more information regarding Target Speeds, please see the Context Based Design section of the FDOT Design Manual.

Not applicable.

CRASH MODIFICATION FACTORS (CMF)

If the project has identified safety countermeasure, please summarize countermeasures used and the Crash Modification Factors (CMF) for each countermeasure. Please note, to receive points a CMF report must be completed and uploaded to the application submittal tool. A report can be completed on the Crash Modification Factors Clearinghouse website. Please see Section 4. Roadway Design Tools for additional information regarding Crash Modifications Factors.

Please see attached CMF report.

COST ESTIMATE

The total construction amount of funds requested per project (infrastructure) must be in excess of \$500,000 with a maximum project amount of \$5,000,000.

State Road Modifications Program funds will be used to fund Design, Construction, and Construction Engineering and Inspection Activities (CEI).

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

- (a) Provide detailed project cost estimate using the following form. 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.

On-System (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](#)

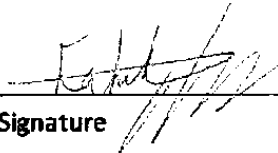
[Historical Cost Information](#)

CERTIFICATION OF PROJECT SPONSOR

I hereby certify that the proposed project herein described is supported by Fatmeh Jafar Ph. D, PE
(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 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.


Signature

Fatmeh Jafar Ph.D, PE
Name (please type or print)

Manager - Traffic Signal & Lighting Design
Title

02/16/2023
Date

FOR FDOT USE ONLY		
Application Complete	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Project Eligible	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Implementation Feasible	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Include in Work Program	<input type="checkbox"/> Yes	<input type="checkbox"/> No