

**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 replacement and upgrade of six signalized intersections and four pedestrian crossings throughout Palm Beach County (County);

- B)** approve the 2023 Application 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 six signalized intersections and four pedestrian crossings owned by FDOT throughout the County (Project). If selected, the Project will be built 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 \$4,108,738.08 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 flashing yellow arrow(s) for certain left and/or right turns and upgrading the traffic signal controllers at the intersection Project locations, as well as, replacing all warning flashing equipment and signs, upgrading the controllers, and upgrading to solar power at the four pedestrian Project locations. The Project will enhance the safety and operation, as well as, reduce the frequency and costs of maintenance at the Project locations.

Attachments:

- 1. Resolution with Exhibit A
- 2. 2023 Application for State Road Modifications with Exhibit A

Recommended By:  5/3/23
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.



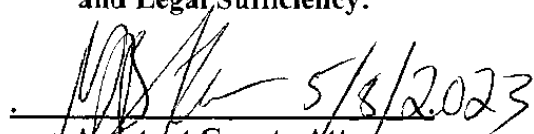
C. Departmental Fiscal Review:

III. REVIEW COMMENTS

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

Reviewed by [Signature] 4/25/23
Luza Mate 4/26/2023
 OFMB *JA* 4/20 *MM* 4/25
 MD 4/20

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

B. Approved as to Form and Legal Sufficiency:

 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 REPLACEMENT AND UPGRADE OF SIX SIGNALIZED INTERSECTIONS AND FOUR PEDESTRIAN CROSSINGS OWNED BY FDOT; 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 six (6) signalized intersections and four (4) pedestrian crossings owned by the FDOT and that have reached their end of life, 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 replacing all signal equipment, upgrading the controllers and adding flashing yellow arrow(s) for certain left and/or right turns at six (6) intersections; and

WHEREAS, the Project also includes replacing all warning flashing equipment and signs, upgrading the controllers, and upgrading to solar power at four (4) pedestrian crossings; and

WHEREAS, the Project will improve safety and operations at the Project intersections; and

WHEREAS, the Project will improve the intersections' resiliency against storms; and

WHEREAS, the Project will be constructed completely within the FDOT's road right-of-way; and

WHEREAS, the Project is estimated to cost \$4,108,738.08; 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

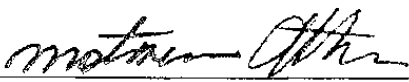
BY: 
Motasem Al-Turk, Ph.D., P.E.
Traffic Division, Director

Exhibit A

Signalized Intersection Locations

	Intersection ID	East/West Street	North/South Street
1.	20290	Ocean Blvd.	Phil Foster Park
2.	27700	Okeechobee Blvd.	SR-7
3.	27750	Okeechobee Blvd.	Jog Rd.
4.	33400	Forest Hill Blvd.	SR-7
5.	34400	Greenbrier Dr.	Congress Ave.
6.	54300	SE 10 th St.	S. Federal Hwy.

Pedestrian Crossing Locations

	Intersection ID	East/West Street	North/South Street
1.	52140	Beach Dr.	A1A
2.	52908	North of Atlantic Ave.	A1A
3.	53295	Sandoway Park	A1A
4.	53698	Casuarina Rd.	A1A



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

Project Title SRM Signal Upgrades
Applicant Palm Beach County Engineering

WHAT DO YOU WANT TO BUILD?

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

Rebuild and upgrade existing 1. traffic signals at 6 locations and 2. pedestrian crossings at 4 locations that have reached their end of life on state roads.

Upgrades may include mast arms, signal heads, flashing yellow arrows, span wire cables, controller cabinets, pedestrian pedestals, internal illuminated street signs, ITS CCTV cameras, luminaires, ADA ramps, green colored bicycle lanes, and restriping.

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 type="checkbox"/> FDOT <input type="checkbox"/> Other: _____	<input 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, P.E.
Title Assistant Director, Traffic Division
Email mackert@pbcgov.org
Phone Number 561 684-4030
Address 2300 N. Jog Rd., 3rd Floor, West Palm Beach, FL 33411

PROJECT LOCATION

Road Name See attached list and map (10 locations)
Road Number US, SR, etc.

Project Limit Begin Countywide
Project Limit End

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	See Attached	See Attached
PEDESTRIAN OR MULTIUSE FACILITIES		
Length (miles) for one direction. Do not count both sides of roadway.	NA	NA
Width on North or West side (feet)*		
Width on South or East side (feet)*		
BICYCLE FACILITIES		
Bike Lane Length (feet) for one direction. Do not count both sides of roadway.	NA	NA
Width on North or West side (feet)* (not Including Buffer Width)		
Buffer Width on North or West side (feet)*		
Width on South or East side (feet)* (not Including Buffer Width)		
Buffer Width on South or East side (feet)*		
Proposed improvements requires: Pavement widening <input type="checkbox"/> Sharrows <input type="checkbox"/> Restriping <input type="checkbox"/>		
MOTORIZED VEHICLE FACILITIES		
Number of Through Travel Lanes	NA	NA
Typical Through Lane Width (feet)		
Total Width* (No. Travel Lanes x Lane Width)		
Posted Speed Limit		
Design Speed (if known)		
MEDIAN/SWALE/CURB		
Median/Center Turning Lane Width (feet)*	NA	NA
Swale Width (feet)*		
Curb Width (feet)*		
*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).

All projects are located within State road right-of-way. See attached FDOT right-of-way maps.

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

All sidewalk and curb ramps impacted from construction will be rebuilt and enhanced to meet ADA standards.

Access Management revisions (median modifications, impacts to driveways, etc.) YES NO

Pedestrian and/or Roadway Lighting

Pedestrian lighting proposed YES NO Roadway lighting proposed YES NO

At the 6 intersections, roadway lighting and pedestrian level lighting will be upgraded to standards as required.

Landscape (with Local Funds)

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

Signalization

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

6 intersections will be rebuilt and upgraded. The scope of this includes: upgrading 2 span wire intersections to mast arm intersections, rewiring/replacing all components at 3 locations and upgrading one span wire intersection to a steel pole span system. The 6 intersection rebuilds scope includes rewiring, adding flashing yellow arrow for left turns and rights, replace traffic signal heads, replace internally illuminated street name and sign panels, upgrade pedestrian features to meet ADA standards. 4 Pedestrian Crossing Locations on A1A will have their traffic control devices replaced with a modern solar powered system and upgraded to current standards. Green bike lanes are being proposed for the conflict points at 4 of the signalized intersections to be rebuilt.

Transit Improvements

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

School Zone Modifications

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

PUBLIC INVOLVEMENT AND SUPPORT

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

None of the locations are in proximity to single family homes, therefore public outreach was not performed.

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).

The attached resolution in support of the project will be presented at the May 2, 2023 Palm Beach County Board of County Commissioners meeting. It includes a provision that the project may be administered and constructed by FDOT on behalf of Palm Beach County. Palm Beach County is committed to maintaining the traffic control devices according to the terms of its agreement with the FDOT for traffic signal maintenance.

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.

NA

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 FDOT's Roadway Design Tools for additional information regarding Crash Modifications Factors.

See attached CMF analysis.

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 Palm Beach County Engineering
(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, P.E., Ph.D.

Name (please type or print)

Manager, Traffic Signal & Street Light Design - Traffic Division

Title

2/16/2023

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