

PALM BEACH COUNTY
BOARD OF COUNTY COMMISSIONERS

AGENDA ITEM SUMMARY

Meeting Date: April 12, 2022

Consent Regular
 Ordinance Public Hearing

Department: Palm Tran

I. EXECUTIVE BRIEF

Motion and Title: Staff recommends motion to adopt:

A) A Resolution of the Board of County Commissioners (BCC) of Palm Beach County, Florida, authorizing the submittal of an application for financial assistance pursuant to the Palm Beach Transportation Planning Agency (TPA) 2022 Local Initiatives Program for a proposed transportation project to acquire four (4) electric buses and four (4) charging stations in addition to agreeing to fund the ongoing maintenance and operations expenses associated with the project.


B) A Resolution of the BCC of Palm Beach County, Florida, authorizing the submittal of an application for financial assistance pursuant to the TPA 2022 Local Initiatives Program for a proposed transportation project for Palm Beach County bus stop improvements in addition to an agreement to fund the ongoing maintenance and operations expenses associated with the project.

Summary: Local Initiatives grants, through the TPA, have funding availability of up to \$5 million in federal money to assist public agencies in implementing specific projects. Palm Tran is requesting funds needed to acquire four (4) electric buses and four (4) charging stations. If approved, the grant funds will be available in Fiscal Year 2027 for Palm Tran to replace four (4) diesel buses that have reached the end of their useful life with four (4) electric buses and provide the stations to charge the buses. The current cost of an electric bus is \$1,144,929 and the cost of a charging station is \$112,500.

Palm Tran is also requesting funds for a Bus Stop Improvement Program that will provide Palm Tran passengers with upgraded bus shelters and improved passenger amenities at their bus stops. Based on preliminary capital cost estimates, the cost of improvements at each bus stop will range from \$21,000 for a bus stop with fewer amenities, to \$132,000 for a bus stop with the highest level of amenities. Palm Beach County is requesting \$5,000,000 per project to help offset the total project cost of each endeavor. If awarded, there is a 20% match, which will be met with transportation development credits granted by Florida Department of Transportation. **No County funds are required.** Countywide (MM)

Background and Justification: Palm Beach County is currently listed in the Environmental Protection Agency (EPA) 2018 National Priority Area List as an area where the population is exposed to more than 2.0 µg/m3 of diesel particulate matter emissions. This project will help facilitate the reduction of greenhouse gas emissions. The replacement of four (4) diesel buses with electric buses will eliminate 6,760 tons of CO2, 40 tons of nitrogen oxides, and 1,400 pounds of diesel particulate matter, which is the equivalent of removing 108 cars off the road. Public transportation shelters offer the public a protected area that will shelter them from the elements while they wait for their vehicle to arrive. Design of the transit amenities and shelters can have an impact on people's transit experience; a pleasing design can affect their perception of the time they spend waiting for a bus.

Attachment(s): 1. Resolutions (2)
2. TPA Local Initiative 2022 Grant Application (2)

Recommended by:  3/23/2022
Executive Director Date

Approved By:  4/1/2022
Assistant County Administrator Date

II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

Fiscal Years	2022	2023	2024	2025	2026
Capital Expenditures					
Operating Costs					
External Revenues					
Program Income(County)					
In-Kind Match(County)					
NET FISCAL IMPACT	*				
#ADDITIONAL FTE					
POSITIONS (CUMULATIVE					

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

Budget Account No:

Fund	Department	Unit	Object
1341	542	5041	6401

B. Recommended Sources of Funds/Summary of Fiscal Impact:

*There is no fiscal impact at this time. If awarded, the grant will cover the costs to acquire the replacement buses and charging stations and/or replacement bus shelters and amenities. Cost for operations and maintenance will be included in future Palm Tran operating budgets.

C. Departmental Fiscal Review: _____
 align="center">Jeremy Baker, Director of Admin Services

III. REVIEW COMMENTS:

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

Lucy Mante 3/23/22
 OFMB LM 3/23

Dr. D. Jacob 3/30/22
 Contract Dev. & Control 3-29-22 TW

B. Legal Sufficiency

[Signature] 3/31/2022
 Assistant County Attorney

C. Other Department Review

 Department Director

RESOLUTION NO. R-

RESOLUTION OF THE BOARD OF COUNTY COMMISSIONERS (BCC), OF PALM BEACH COUNTY, FLORIDA, AUTHORIZING THE SUBMITTAL OF AN APPLICATION FOR FINANCIAL ASSISTANCE PURSUANT TO THE PALM BEACH TRANSPORTATION PLANNING AGENCY (TPA) 2022 LOCAL INITIATIVES PROGRAM FOR A PROPOSED TRANSPORTATION PROJECT TO ACQUIRE FOUR (4) ELECTRIC BUSES AND FOUR (4) CHARGING STATIONS IN ADDITION TO AGREEING TO FUND THE ONGOING MAINTENANCE AND OPERATIONS EXPENSES ASSOCIATED WITH THE PROJECT; ESTABLISHING AN EFFECTIVE DATE.

WHEREAS, the BCC is eligible to apply for funding in an amount not to exceed Five Million Dollars from the TPA 2022 Local Initiatives Program; and

WHEREAS, the BCC desires to accomplish a Palm Beach County Electric Bus Transition Initiative (the Project); and

WHEREAS, the Project does not involve construction, and no right-of-way is needed to implement the Project; and

WHEREAS, if the Project is funded by the TPA, the BCC agrees to appropriate from current or other legally available funds, such funds as may be necessary to manage the implementation of the Project, and to be eligible for reimbursement of costs associated with the Project in an amount not to exceed \$5,000,000; and

WHEREAS, after completion of the Project and during its useful life, the BCC agrees to appropriate from current or other legally available funds, such funds as may be necessary for the continued operation and maintenance of the Project.

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

1. The foregoing recitals are incorporated herein as true and correct statements of the BCC.
2. The BCC does hereby approve the submission of a Grant Application for \$5,000,000 to the TPA.
3. The Palm Beach County Administrator and the Executive Director of Palm Tran are each authorized to furnish such additional information or documentation that the TPA may require in connection with the Project.

4. The BCC agrees to appropriate from current or other legally available funds, such funds as may be necessary to implement the Project and to support, during its useful life, the continued operation and maintenance of the Project.

5. The Mayor is authorized to sign the Grant Application for the TPA 2022 Local Initiatives Program for the Project.

6. This Resolution shall take effect upon its adoption.

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:

and upon being put to a vote, the vote was as follows:


- Commissioner Robert S. Weinroth, Mayor _____
- Commissioner Gregg K. Weiss, Vice Mayor _____
- Commissioner Maria G. Marino _____
- Commissioner Dave Kerner _____
- Commissioner Maria Sachs _____
- Commissioner Melissa McKinlay _____
- Commissioner Mack Bernard _____

The Mayor thereupon declared the resolution duly passed and adopted this _____ day of _____, 2022.

PALM BEACH COUNTY, FLORIDA
BY ITS BOARD OF COMMISSIONERS

Joseph Abruzzo, Clerk and Comptroller

APPROVED AS TO FORM AND
LEGAL SUFFICIENCY

By:  _____
County Attorney

By: _____
Deputy Clerk



Palm Tran

Administrative Offices

100 N. Congress Avenue
Delray Beach, FL 33445
(561) 841-4200
FAX: (561) 841-4291

Palm Tran Connection

50 South Military Trail
Suite 101
West Palm Beach, FL 33415-3132
(561) 649-9838
FAX: (561) 656-7156
www.palmtran.org



**Palm Beach County
Board of County
Commissioners**

Robert S. Weinroth, Mayor
Gregg K. Weiss, Vice Mayor

Maria G. Marino
Dave Kerner
Maria Sachs
Melissa McKinlay
Mack Bernard

County Administrator

Verdenia C. Baker

*"An Equal Opportunity
Affirmative Action Employer"*

Official Electronic Letterhead

February 18, 2022

Valerie Neilson, AICP
Interim Executive Director
Palm Beach TPA
301 Datura Street
West Palm Beach, FL 33401

Ref: Local Initiatives Program
Project: Palm Beach County Bus Stop Improvements

Dear Ms. Neilson:

Palm Beach County is applying for the 2022 Palm Beach Transportation Agency (TPA) Local Initiatives Program for the Palm Beach County Bus Stop Improvements. The scope of the project is the outfitting of Palm Tran Bus Stops with Transit Amenities.

Design of the shelters, and provision of transit amenities at bus stops can have an impact on a person's transit experience, and a pleasing design can affect perceptions of time while waiting for a bus. Public Transportation shelters offer the public a protected area sheltering them from the elements while waiting for their vehicle to arrive.

If awarded, Palm Tran will administer the project funded by the TPA's Local Initiatives Program. Palm Tran is committed to managing the completion of the Bus Stop Improvements initiative, and support the continued operation and maintenance of this project.

We look forward to the review of our application and the support of the program to provide transit amenities to public transportation users.

Sincerely,

A handwritten signature in black ink, appearing to read "Clinton B. Forbes".

Clinton B. Forbes
Executive Director

CERTIFICATION OF PROJECT SPONSOR

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.



Signature

Clinton B Forbes

Name (please type or print)

Executive Director, Palm Tran

Title

2/18/2022

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

2022 APPLICATION FORM

Project Funding for Local Initiatives (LI)

Construction Projects

Project Title: Palm Tran Bus Stop Improvements
 Applicant: Palm Beach County Board of County Commissioners

WHAT DO YOU WANT TO BUILD?

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

The goal of the project is to provide Bus Stop Improvements at Palm Tran Bus Stops throughout the County. The project includes the replacement of shelters that have met useful life, the expansion of shelters locations, the provision of transit amenities at all Palm Tran stops, and the upgrade of bus stops that can be modified to meet ADA compliance. The funding requested will be used for construction and installation cost of transit amenities. Palm Beach County is requesting \$5,000,000 for this project.

WHO OWNS THE RIGHT-OF-WAY?

Check whether the applicant and/or another agency owns the right-of-way where the project will be built. Resolution of support from facility owner clearly indicating that the project may be constructed as proposed is a required attachment (see submittal checklist).

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

Enter any additional information regarding ownership of right-of-way

Palm Tran will work in conjunction with County Engineering to ensure right-of-way is available for the new shelter locations.

WHO IS DOING WHAT?

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 Local Agency Program Manual (topic no. 525 010 300).

	Administered by:	Funded by:
Design (PE)	<input checked="" type="checkbox"/> Applicant or consultant ⁽¹⁾⁽²⁾ <input type="checkbox"/> FDOT (requires prior approval)	<input checked="" type="checkbox"/> Applicant (required if locally administered) <input type="checkbox"/> TPA (if FDOT administered)
Construction (CST)	<input checked="" type="checkbox"/> Applicant or consultant ⁽¹⁾ <input type="checkbox"/> FDOT (requires prior approval) <input type="checkbox"/> Other: _____	<input type="checkbox"/> Applicant <input checked="" type="checkbox"/> TPA
Const Eng & Inspect (CEI)	<input checked="" type="checkbox"/> Applicant or consultant ⁽¹⁾⁽²⁾ <input type="checkbox"/> FDOT (requires prior approval)	<input checked="" type="checkbox"/> Applicant (if locally administered project) <input type="checkbox"/> TPA (if FDOT administered project)

(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 Claudia Salazar
Title Grants & Capital Project Analyst
Email csalazar@pbcgov.org
Phone Number 561.841.4241
Address 100 N Congress Ave. Delray Beach FL, 33445

PROJECT LOCATION

Road Name Locations will be throughout Palm Beach County
Road Number US, SR, CR, etc.

Project Limit Begin Provide a commonly recognizable termini (street, bridge, etc.)
Project Limit End Palm Tran has 2,984 bus stop in Palm Beach County

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, Turn Lanes, Traffic Signals, Striping and Marking.
- Transit capital - purchases 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 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. Project will fit within current ROW.

	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)*		
Width on South or East side (feet)*		
BICYCLE FACILITIES		
Bike Lane Length (feet) for one direction. Do not count both sides of roadway.		
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		
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)*		
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 on page 9).

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

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

Solar lights will be acquired for bus shelters and bus stops

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

Solar lights will be acquired to be installed at bus stops, the lights will have blinking signals to let the bus driver know a customer is waiting for the bus

Transit Improvements

Queue jump possible YES NO Transit provider concurrence provided YES NO

Upgrade existing bus bay area YES NO Not Applicable

School Zone Modifications

Existing flashing school zone signal on state road YES NO

High emphasis cross walk at unsignalized crossing YES NO

Utility Modifications

Sub-surface relocation is required YES NO

Utility coordination is required YES NO

Drainage and/or other Permits

Existing closed drainage system to remain YES NO

Existing open drainage system to remain YES NO

Railroad Crossing Modifications

Rail crossing within limits YES NO

Replace railroad signal equipment and gates YES NO

Bridge Modifications

Proposed pedestrian bridge YES NO

Bridge replacement YES NO

Proposed bridge widening YES NO

Other Scope Items

Palm Tran’s proposed Bus Stop Improvement Program will provide Palm Tran passengers with upgraded bus shelters and improved passenger amenities at their bus stops.

Summarize any special characteristics of the project.

Palm Tran is embarking on a systemwide upgrade of the bus shelters and related amenities provided at their bus stops. Palm Tran has 2,941 bus stops of which 330 currently have bus shelters, this project is identifying and targeting every bus stop that can accommodate a shelter within the existing Right of Way. At the same time, stops that cannot accommodate a shelter can be outfitted with solar lighting fixtures that can be added to the regular Bus Stop sign, Digital Displays and USB ports for charging phones.

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

Not Applicable

Other specific project information that should be considered.

This multi-year effort is an investment in Palm Tran’s most important resource – its passengers and their quality of life. By the time these funds become available, the project will be at its implementation phase. The solicitation process is in place for bus shelters and bus stop amenities. Once the bus shelters and bus stop amenities have been procured, a second, subsequent RFP for design and engineering of selected bus stops will move the Bus Stop Improvement Program into the design phase. Once plans are prepared for the selected bus stop locations, a third RFP for construction and installation can be issued for contractors to put the bus shelters and bus stop amenities in the ground.

PUBLIC INVOLVEMENT AND SUPPORT

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

Palm Tran on-board surveys, and review of the customer complaints have identified transit amenities as one of the priorities for Palm Tran customers.

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).

Palm Beach County has in place a contract for the maintenance of all bus stops. The current contract has language that allows for the addition of new bus shelters and the required maintenance. The contract that will be issued for the purchase of the pre-fabricated shelters and amenities includes the provision of spare parts. Palm Tran will be the contract administrator and Palm Tran holds responsibility for maintenance of the new transit amenities.

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](#)



Palm Tran

Administrative Offices

100 N. Congress Avenue
Delray Beach, FL 33445
(561) 841-4200
FAX: (561) 841-4291

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**Palm Beach County
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Mack Bernard

County Administrator

Verdenia C. Baker

*"An Equal Opportunity
Affirmative Action Employer"*

Official Electronic Letterhead

February 18, 2022

Valerie Neilson, AICP
Interim Executive Director
Palm Beach TPA
301 Datura Street
West Palm Beach, FL 33401

Ref: Local Initiatives Program
Project: Palm Beach County Electric Bus Transition Initiative

Dear Ms. Neilson:


Palm Beach County is applying for the 2022 Palm Beach Transportation Agency (TPA) Local Initiatives Program for the above mentioned project. The scope of the project is the replacement four (4) diesel buses that have reached their useful life with four (4) electric buses, and the installation of four (4) charging stations.

Funding for the Electric Bus Transition Initiative will not only reduce air pollution and improve health, it will lower fuel and maintenance costs while offering residents and visitors of the County a cleaner quieter ride.

If awarded, Palm Tran will administer the project funded by the TPA's Local Initiatives Program. Palm Tran is committed to managing the completion of the project, and to support the continued operation and maintenance of the project.

We look forward to the review of our application and the support of the program to reduce the level of vehicle emissions in Palm Beach County.

Sincerely,

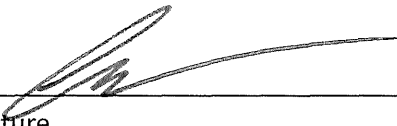

Clinton B. Forbes
Executive Director

CERTIFICATION OF PROJECT SPONSOR

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.



Signature

Clinton B Forbes

Name (please type or print)

Executive Director, Palm Tran

Title

2/18/2022

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

2022 APPLICATION FORM
Project Funding for Local Initiatives (LI)
Construction Projects

Project Title Palm Beach County Electric Bus Transition Initiative
Applicant Palm Beach County Board of County Commissioners

WHAT DO YOU WANT TO BUILD?

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

Palm Beach County is committed to reduce greenhouse emissions, the County is listed in the Environmental Protection Agency (EPA) 2018 National Priority Area List, as an area where the population is exposed to more than 2.0µg/m3 of diesel particulate matter emissions. The County requests funding for the acquisition of four (4) electric buses and charging stations at a cost of \$5,029,716; to be used by Palm Tran in the provision of Fixed Route Public Transportation. The project is eligible as Transit Capital in the Local Initiatives Program. No construction costs are included in this project. Palm Beach County is requesting \$5,000,000.

WHO OWNS THE RIGHT-OF-WAY?

Check whether the applicant and/or another agency owns the right-of-way where the project will be built. Resolution of support from facility owner clearly indicating that the project may be constructed as proposed is a required attachment (see submittal checklist).

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

Enter any additional information regarding ownership of right-of-way

WHO IS DOING WHAT?

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 Local Agency Program Manual (topic no. 525 010 300).

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 (2) Design consultant and CEI consultant shall not be the same.

APPLICANT CONTACT INFORMATION

Contact Person Claudia Salazar
Title Grants & Capital Project Analyst
Email csalazar@pbcgov.org
Phone Number 561.841.4241
Address 100 N. Congress Ave. Delray Beach, FL 33445

PROJECT LOCATION

Road Name 100 N. Congress Ave. Delray Beach, FL 33445
Road Number US, SR, CR, etc.

Project Limit Begin Provide a commonly recognizable termini (street, bridge, etc.)
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, Turn Lanes, Traffic Signals, Striping and Marking.
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- 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

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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)*		
Width on South or East side (feet)*		
BICYCLE FACILITIES		
Bike Lane Length (feet) for one direction. Do not count both sides of roadway.		
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		
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)*		
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 on page 9).

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

Palm Tran will ensure vehicles acquired meet the accessibility requirements and standards for the vehicle type specified in 49 CFR parts 37 and 38, as applicable.

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

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

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

Utility Modifications

Sub-surface relocation is required YES NO

Utility coordination is required YES NO

Drainage and/or other Permits

Existing closed drainage system to remain YES NO

Existing open drainage system to remain YES NO

Railroad Crossing Modifications

Rail crossing within limits YES NO

Replace railroad signal equipment and gates YES NO

Bridge Modifications

Proposed pedestrian bridge YES NO

Bridge replacement YES NO

Proposed bridge widening YES NO

Other Scope Items

Procurement of revenue service vehicles will be reviewed in accordance with 49 CFR part 663, Palm Tran will ensure vehicles are tested consistent with 49 CFR 665, meet the requirements of Buy America per 49 CFR 661, and comply with 49 CFR Part 26 DBE for TVM.

Summarize any special characteristics of the project.

Public transportation encourages energy conservation, as the average number of passengers on a transit vehicle (19 Riders per Revenue hour) far exceeds that of a private automobile (1.6). Even as a single transit vehicle consumes more energy than a private vehicle, the average amount of energy utilized per passenger is far less. The replacement of four (4) diesel vehicles with electric buses, will eliminate 6,760 tons of CO2, 40 tons of nitrogen oxides, 1,400 pounds of diesel particulate matter and is equivalent to removing 108 cars of the road.

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

Other specific project information that should be considered.

The primary purpose is to deploy the cleanest U.S.-made transit buses that have been proven in testing and demonstrations but are not yet widely deployed in transit fleets. Palm Tran will replace diesel buses with electric buses, install charging stations, and train mechanics and operators on the new technology.

PUBLIC INVOLVEMENT AND SUPPORT

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

Attach documentation.

Palm Tran conducted social media surveys on the topic of electric vehicles with great response from the public, in 2019 the Board of County Commissioners approved the project, and the ongoing maintenance and operations expenses associated with the project.

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).

The Electric Bus Transition Initiative Project will be implemented by Palm Tran's experienced project management team and technical experts in transit operations, with oversight and funding by the Palm Beach County Board of County Commissioners. Palm Tran with a staff of 622 employees provides operations and maintenance services for its fixed route fleet of 139 large, heavy-duty transit buses. Palm Tran is responsible for providing Preventive Maintenance to its fleet including all the activities, supplies, materials, labor, services, and associated costs required to preserve or extend the functionality and serviceability of the assets in a cost effective manner, up to and including the current state of the art for maintaining such asset.

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](#)