



DEPARTMENT OF PUBLIC WORKS

Crosswalk Study for Biscayne Drive and Pan American Boulevard

November 28, 2017





CROSSWALK STUDY FOR BISCAYNE DRIVE AND PAN AMERICAN BOULEVARD

- Study limits of Biscayne Drive are from Safford Terrace to south of I-75
- Study limits for Pan American Boulevard are from Biscayne Drive to Spring Haven Drive
- Analyze the intersection of the frontage street known as Tamiami Trail and Biscayne Drive just south of US 41.

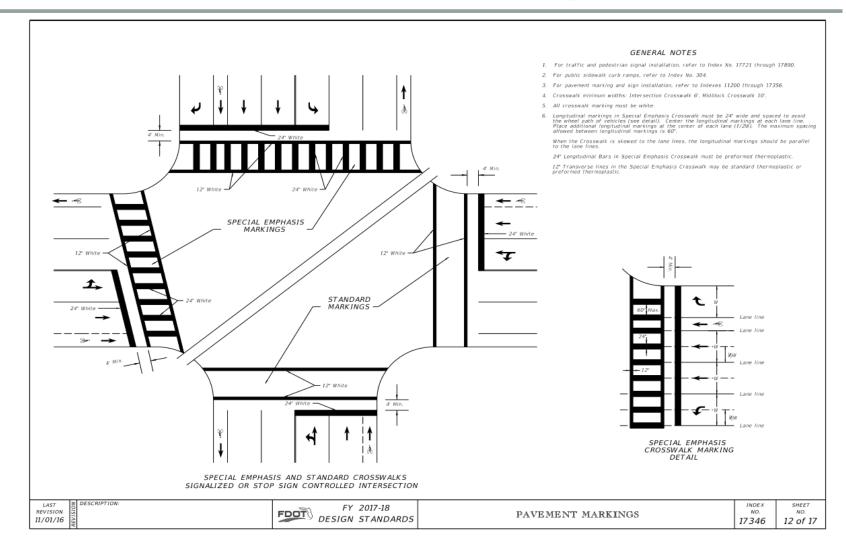
(NOT TO SCALE)



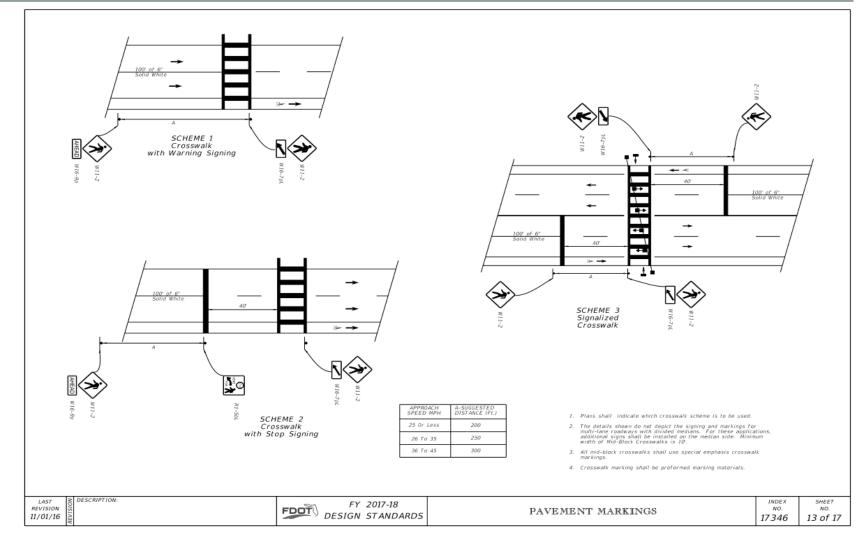
STUDY CRITERIA

- Safety for pedestrians: Per Florida Department of Transportation (FDOT) Plans Preparation Manual Volume 1, Chapter 8 dealing with sight distance, spacing, etc. (excepts attached)
- Proximity to potential Pedestrian Destinations
- Proximity to existing crosswalks
- Proximity to Sarasota County Area Transit (SCAT) bus stops
- FDOT Standard Index 17346, sheet 12 of 17 for controlled crossings, and sheet 13 of 17 for uncontrolled crossings (signalized or stop sign controlled) (attached)

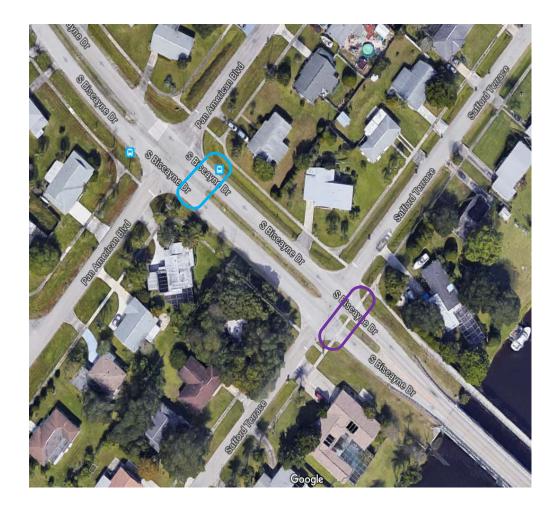
FDOT Standard Index 17346, sheet 12 of 17 Controlled Crossing



FDOT Standard Index 17346, sheet 13 of 17 Uncontrolled Crossing



BISCAYNE DRIVE SAFFORD TERRACE AND PAN AMERICAN BOULERVARD



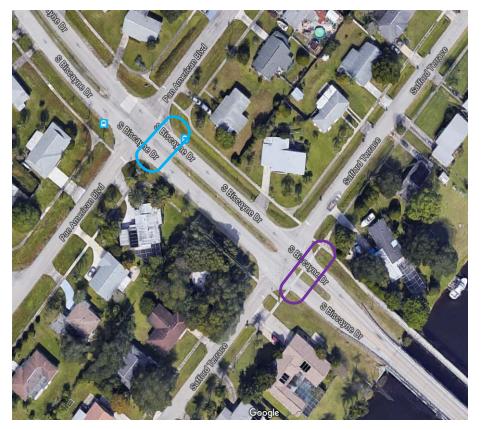
LEGEND

PROPOSED CROSSWALK

EXISTING NON-COMPLIANT CROSSWALK



BISCAYNE DRIVE SAFFORD TERRACE AND PAN AMERICAN BOULERVARD



Analysis

 Relocate existing crosswalk from Safford Terrace approximately 200 ft. north to Pan American Boulevard.

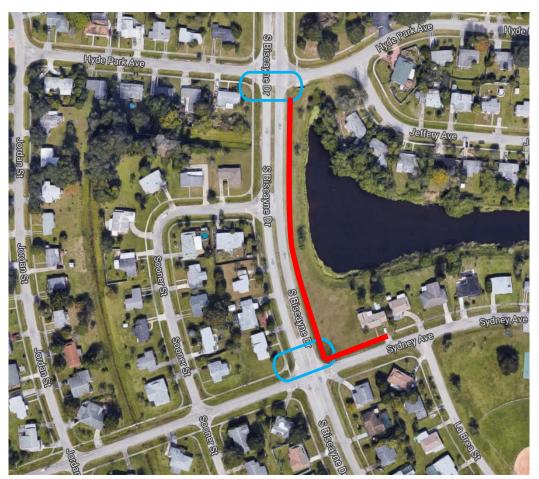
Benefits/Advantages/Opportunities/Issues

- Improve Safety of pedestrians by increasing the sight distance for motorists traveling northbound on Biscayne Drive.
- If existing crosswalk at Safford Terrace remains, the northbound advanced warning sign, needed for compliance with FDOT Standard 17346, will have to be attached to the bridge.

Recommendation

 Strongly recommend relocation of existing pedestrian crosswalk from Safford Terrace to Pan American Boulevard.

BISCAYNE DRIVE SYDNEY AVENUE AND HYDE PARK AVENUE



LEGEND

PROPOSED CROSSWALK

> PROPOSED SIDEWALK

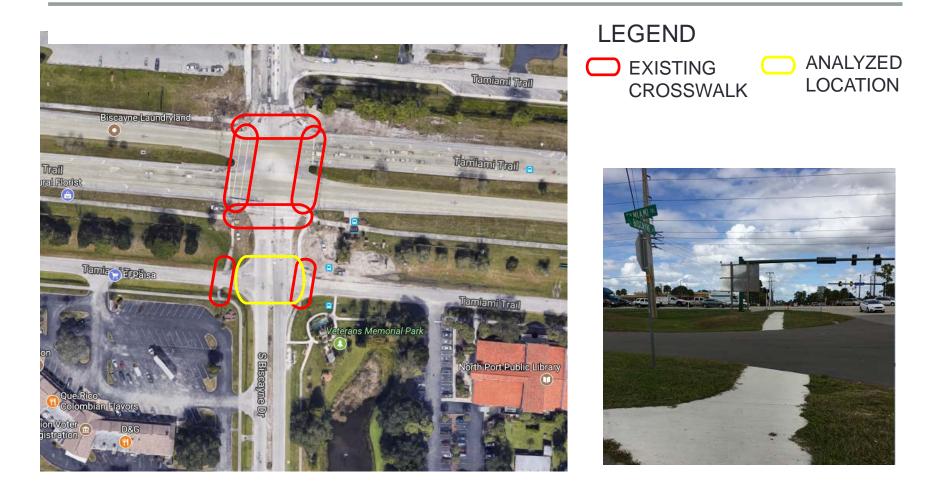
<u>Analysis</u>

• None.

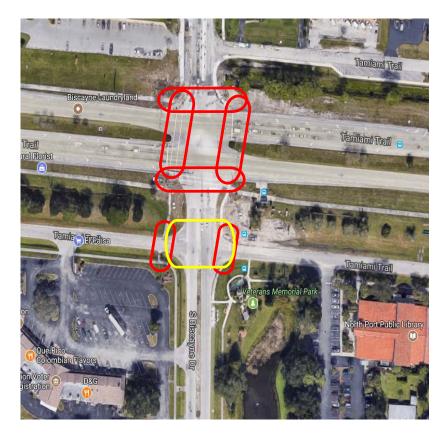
Recommendation

• The proposed pedestrian crossings at Sydney Avenue and Hyde Park Avenue, in addition to a sidewalk along the east side of Biscayne Drive, has been approved by Commission.

BISCAYNE DRIVE US 41 SOUTH FRONTAGE ROAD



BISCAYNE DRIVE US 41 SOUTH FRONTAGE ROAD



<u>Analysis</u>

 To provide a pedestrian crossing along Biscayne Drive at the south Frontage Road/Tamiami Trail and Biscayne Drive.

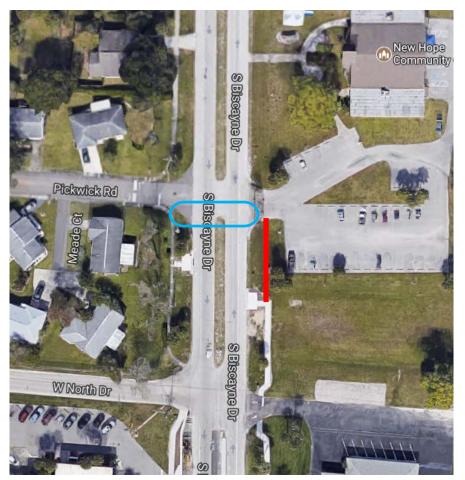
Benefits/Advantages/Opportunities/Issues

- FDOT Plans Preparation Manual, Volume 1, Chapter 8, specifies that, "*Midblock/Uncontrolled crosswalks should not be located where the distance from crosswalk to the nearest intersection (or crossing location) is less than 300 feet*".
- The existing controlled crosswalk on US 41 is less than 100 feet from the proposed location at the Frontage Road.
- Operation and safety of the intersection of US 41 and Biscayne Boulevard will be affected and will require coordination with FDOT.

Recommendation

• We recommend not including a pedestrian crosswalk at this location.

BISCAYNE DRIVE AT PICKWICK ROAD



LEGEND

PROPOSED CROSSWALK

PROPOSED SIDEWALK

<u>Analysis</u>

• To provide a pedestrian crossing along Biscayne Drive at Pickwick Road.

Benefits/Advantages/Opportunities/Issues

- Add approximately 60 feet of sidewalk to connect bus pads to proposed pedestrian crossing.
- Provide connectivity between bus stops.
- Meets the required minimum 300 feet distance to controlled crossing at US 41 to the south.
- Once Sarasota County Area Transit (SCAT) reactivates the bus stop, Public Works shall construct the pedestrian crossing.

Recommendation

• Construct pedestrian crossing in coordination with the reactivation of the SCAT bus stop.

BISCAYNE DRIVE AT DOROTHY AVENUE



LEGEND

PROPOSED CROSSWALK

<u>Analysis</u>

• To provide a pedestrian crossing along Biscayne Drive at Dorothy Avenue.

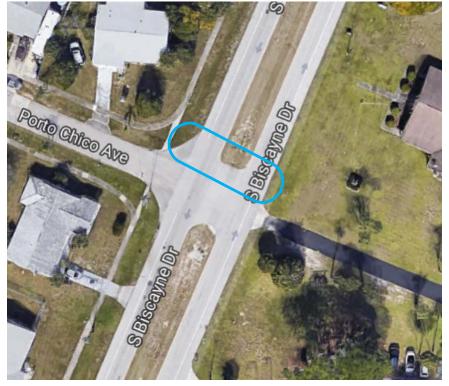
Benefits/Advantages/Opportunities/Issues

- During recent field visit, we noticed residents/visitors of the Villas of North Port crossing Biscayne Drive at Dorothy Avenue to access the existing sidewalk along the west side of Biscayne Drive.
- A properly stripped and signed crossing will improve the safety of pedestrians in this area.

Recommendation

• Staff will prepare an engineers cost estimate to design and construct a sidewalk north of US 41 along the easterly side of South Biscayne Drive from Pickwick Road to Elyton Drive in the fiscal year 2018-2019 budget.

BISCAYNE DRIVE AT PORTO CHICO AVENUE



LEGEND

PROPOSED CROSSWALK

<u>Analysis</u>

 To provide a pedestrian crossing along Biscayne Drive at Porto Chico Avenue.

Benefits/Advantages/Opportunities/Issues

- Connect several churches and multi-family residential facilities on the east side of Biscayne Drive to the existing sidewalk along the west side of Biscayne Drive.
- Potential for future enhancement by adding a sidewalk along the east side of Biscayne Drive from Coco Solo Avenue to Boca Grande Avenue or Trionfo Avenue.

Recommendation

• We recommend considering this location for a pedestrian crossing.

BISCAYNE DRIVE AT ELYTON DRIVE







LEGEND

EXISTING NON-COMPLIANT CROSSWALK

<u>Analysis</u>

• Bring existing pedestrian crossing to current FDOT Standards per 17346.

Benefits/Advantages/Opportunities/Issues

- Current crossing does not meet FDOT current criteria in Standard Index 17346.
- Improve the safety of pedestrians and motorist.

Recommendation

 Public Works shall design and install pavement markings and signage per FDOT Standard Index 17346 in fiscal year 2017-2018.

BISCAYNE DRIVE AT HUMAY AVENUE



LEGEND

PROPOSED CROSSWALK

<u>Analysis</u>

• To provide a pedestrian crossing along Biscayne Drive at Humay Avenue.

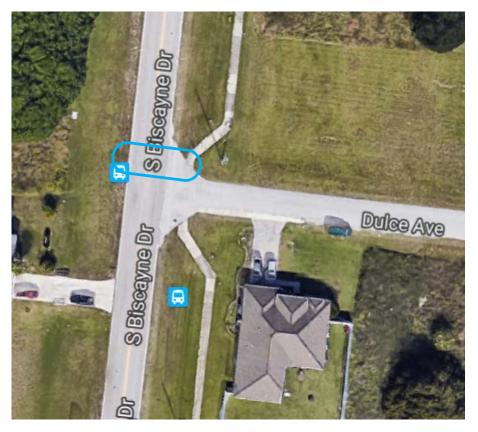
Benefits/Advantages/Opportunities/Issues

- Near existing SCAT bus stops.
- Can coordinate with Sarasota County Area Transit (SCAT) to move the existing pedestrian crossing from southeast of Humay Avenue to northeast of Humay Avenue in fiscal year 2018-2019.

Recommendation

• Coordinate the SCAT bus stop relocation on Humay Avenue and Public Works shall construct the pedestrian crossing along Biscayne Drive and Humay Avenue in fiscal year 2018-2019.

BISCAYNE DRIVE AT DULCE AVENUE



LEGEND

PROPOSED CROSSWALK

<u>Analysis</u>

• To provide a pedestrian crossing along Biscayne Drive at Dulce Avenue.

Benefits/Advantages/Opportunities/Issues

- Near existing SCAT bus stops.
- Can coordinate with Sarasota County Area Transit (SCAT) to move the existing pedestrian crossing from southeast of Dulce Avenue to northeast of Dulce Avenue in fiscal year 2018-2019.

Recommendation

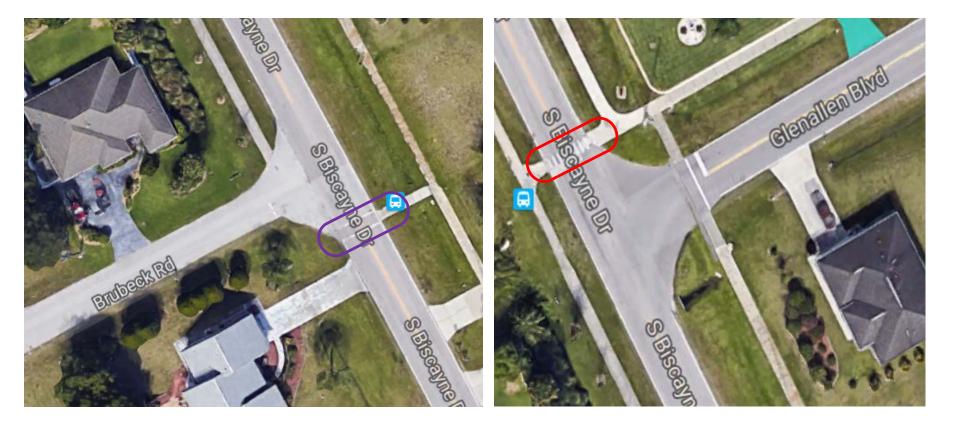
• Coordinate the SCAT bus stop relocation on Dulce Avenue and Public Works shall construct the pedestrian crossing along Biscayne Drive and Dulce Avenue in fiscal year 2018-2019.

BISCAYNE DRIVE AT BRUBECK ROAD AND GLENALLEN BOULEVARD

LEGEND

EXISTING CROSSWALK





BISCAYNE DRIVE AT BRUBECK ROAD AND GLENALLEN BOULEVARD



<u>Analysis</u>

 To consolidate the two existing pedestrian crossings at Glenallen Boulevard and bring this crossing into compliance with latest FDOT Standards.

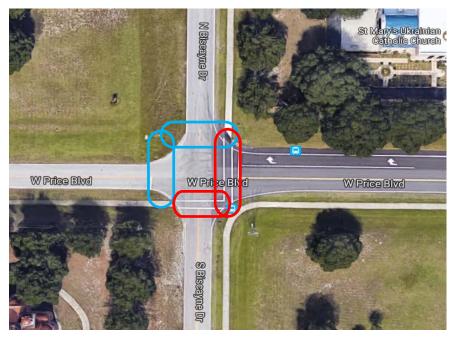
Benefits/Advantages/Opportunities/Issues

- Improvements to the operation and safety of Biscayne Drive and Glenallen Boulevard.
- Bring the existing crossing at Glenallen Boulevard to compliance with latest FDOT Standard 17344 for school crossings.
- FDOT has grant funds to upgrade school crossings (signs and flashing beacons only) to comply with the revised Standard 17344.
- Coordinate with SCAT consolidation of bus stops along northbound and southbound Biscayne Drive in fiscal year 2017-2018.

Recommendation

 Public Works shall consolidate these two pedestrian crossing into one at Glenallen Boulevard in fiscal year 2017-2018.

BISCAYNE DRIVE AT PRICE BOULEVARD



LEGEND

- **EXISTING CROSSWALK**
- PROPOSED CROSSWALK

Analysis

 To provide a pedestrian crossing along Biscayne Drive and Price Boulevard.

Benefits/Advantages/Opportunities/Issues

- Add pedestrian crossings on north leg of Biscayne Drive and west leg of Price Boulevard.
- Price Boulevard will be converted to a 4-way stop control condition that will improve the safety of pedestrians as well as motorist in the area.

Recommendation

Staff will prepare an engineers cost estimate to design and construct a pedestrian crossing and concrete pad in the fiscal year 2018-2019 budget.

BISCAYNE DRIVE AT PONCE DE LEON BOULEVARD



D PROPOSED CROSSWALK

Analysis

• To provide a pedestrian crossing along Biscayne Drive at Ponce de Leon Boulevard.

Benefits/Advantages/Opportunities/Issues

- Near new Fire Station 85 at the southeast corner of Biscayne Drive and Ponce de Leon Boulevard.
- Potential future commercial development at the northeast corner of Biscayne Drive and Ponce de Leon Boulevard, can be a pedestrian destination.

Recommendation

• We recommend considering this location for a future pedestrian crossing.

BISCAYNE DRIVE AT MORTON DRIVE



LEGEND

EXISTING NON-COMPLIANT CROSSWALK

<u>Analysis</u>

• Bring existing pedestrian crossing to current FDOT Standards per 17346.

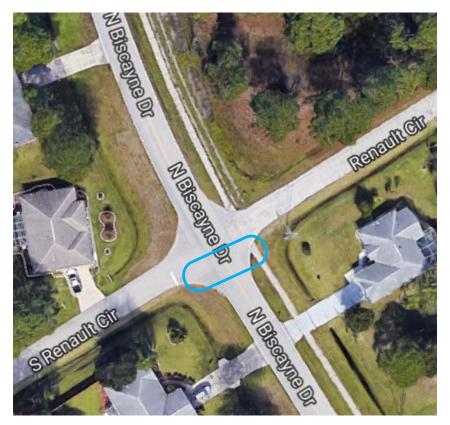
Benefits/Advantages/Opportunities/Issues

- Current crossing does not meet FDOT current criteria in Standard Index 17346.
- Improve the safety of pedestrians and motorist.

Recommendation

 Add pavement markings, concrete pad south of Morton Drive, and signage per FDOT Standard Index 17346 in fiscal year 2017-2018.

BISCAYNE DRIVE AT RENAULT CIRCLE



D PROPOSED CROSSWALK

<u>Analysis</u>

• To provide a pedestrian crossing along Biscayne Drive at Renault Circle.

Benefits/Advantages/Opportunities/Issues

 This is the last major intersecting road along Biscayne Drive before the end of the existing sidewalk along the eastern side of Biscayne Drive.

Recommendation

 In the future, when sidewalks are completed from Renault Circle to I-75, Staff will construct a pedestrian crossing for this segment of Biscayne Drive.

PAN AMERICAN BOULEVARD AT SYDNEY AVENUE



LEGEND

- PROPOSED CROSSWALK
 - PROPOSED SIDEWALK

<u>Analysis</u>

• To provide a pedestrian crossing along Pan American Boulevard and Safford Terrace.

Benefits/Advantages/Opportunities/Issues

 Provide connectivity from sidewalks along the east side of Pan American Boulevard and Hyde Park.

Recommendation

• Public Works will prepare an engineers cost estimate to design and construct a sidewalk and pedestrian crossing to the Park parking/access in 2018-2019.

PAN AMERICAN BOULEVARD AT HYDE PARK AVENUE



LEGEND

PROPOSED CROSSWALK

<u>Analysis</u>

• To provide a pedestrian crossing along Pan American Boulevard at Hyde Park Avenue.

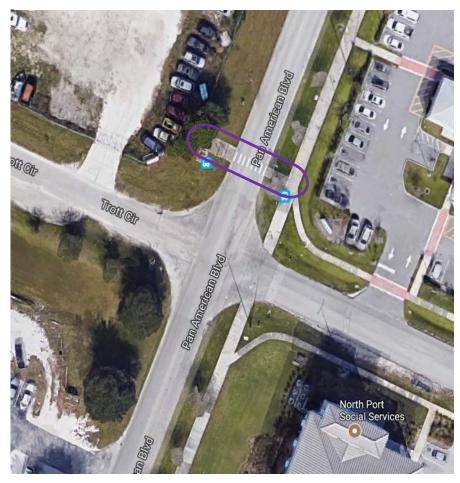
Benefits/Advantages/Opportunities/Issues

- Provide connectivity from sidewalks along the east side of Pan American Boulevard.
- Provide access to pedestrians wanting to access to the Sarasota County Public Library on Hyde Park Avenue.

Recommendation

• Public Works will prepare an engineers cost estimate to design and construct a crosswalk in fiscal year 2018-2019.

PAN AMERICAN BOULEVARD AT TROTT CIRCLE



LEGEND

EXISTING NON-COMPLIANT CROSSWALK

<u>Analysis</u>

• Bring existing pedestrian crossing to current FDOT Standards per 17346.

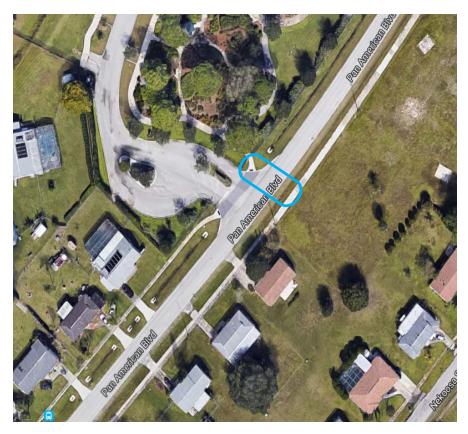
Benefits/Advantages/Opportunities/Issues

- Current crossing does not meet FDOT current criteria in Standard Index 17346.
- Improve the safety of pedestrians and motorist.

Recommendation

 Public Works shall replace pavement markings and add signage per FDOT Standard Index 17346 in fiscal year 2017-2018.

PAN AMERICAN BOULEVARD AT GARDEN OF THE FIVE SENSES ENTRANCE



LEGEND PROPOSED CROSSWALK

<u>Analysis</u>

• To provide a pedestrian crossing along Pan American Boulevard at the Garden of The Five Senses entrance.

Benefits/Advantages/Opportunities/Issues

- Provide access to pedestrians wanting to access the Garden of the Five Senses.
- Provides connectivity between the existing sidewalks along the east and west side of Pan American Boulevard.

Recommendation

 Staff will prepare an engineers cost estimate to design and construct a crosswalk in fiscal year 2018-2019.

PAN AMERICAN BOULEVARD AT ELYTON DRIVE





LEGEND

EXISTING NON-COMPLIANT CROSSWALK

<u>Analysis</u>

• Bring existing pedestrian crossing to current FDOT Standards per 17346.

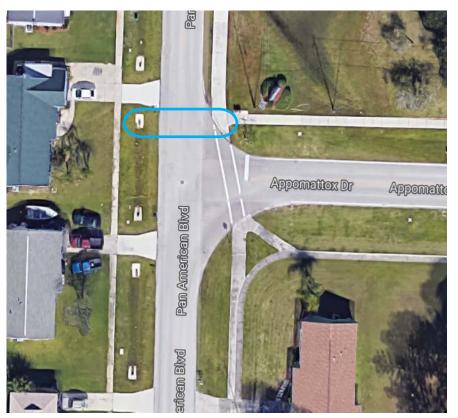
Benefits/Advantages/Opportunities/Issues

- Current crossing does not meet FDOT current criteria in Standard Index 17346.
- Improve the safety of pedestrians and motorist.

Recommendation

 Public Works shall remove existing bike lane pavement markings; add pavement markings and add signage per FDOT Standard Index 17346 in fiscal year 2017-2018.

PAN AMERICAN BOULEVARD AT APPOMATTOX DRIVE



D PROPOSED CROSSWALK

<u>Analysis</u>

• To provide a pedestrian crossing along Pan American Boulevard at Appomattox Drive.

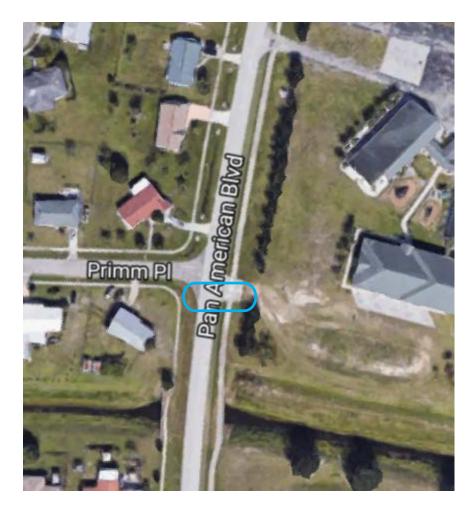
Benefits/Advantages/Opportunities/Issues

- Provide connectivity for access to the Jockey Club.
- Add signage and pavement marking per FDOT Standard 17344 for School Crossings.
- FDOT has grant funds to upgrade school crossings (signs and flashing beacons only) to comply with the revised Standard 17344.

Recommendation

 Public Works will prepare an engineers cost estimate to design and construct a sidewalk in fiscal year 2018-2019.

PAN AMERICAN BOULEVARD AT PRIMM PLACE



LEGEND

PROPOSED CROSSWALK

<u>Analysis</u>

• To provide a pedestrian crossing along Pan American Boulevard at Primm Place.

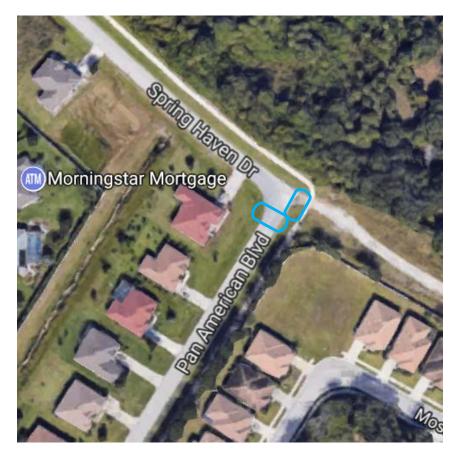
Benefits/Advantages/Opportunities/Issues

- Provide connectivity for access to the Gulfcoast Christian Academy.
- Add signage and pavement marking per FDOT Standard 17344 for School Crossings.
- FDOT has grant funds to upgrade school crossings (signs and flashing beacons only) to comply with the revised Standard 17344.

Recommendation

 Staff will prepare an engineers cost estimate to design and construct a pedestrian crossing in the future.

PAN AMERICAN BOULEVARD AT SPRING HAVEN DRIVE



LEGEND

PROPOSED CROSSWALK

<u>Analysis</u>

• An analysis will be done by the consultant of the Spring Haven Drive project.

Benefits/Advantages/Opportunities/Issues

 Pedestrian crossings being coordinated with the consultant for the Spring Haven Drive Extension project.

Recommendation

• To be determined upon completion of the consultant's analysis.

SUMMARY OF EXISTING AND PROPOSED PEDESTRIAN CROSSINGS

BISCAYNE DRIVE

Existing to be improved or modified (Fiscal Year 2017-2018):

- Brubeck Road
- Glenallen Boulevard
- Price Boulevard
- Morton Road

Proposed New Locations (Fiscal Year 2018-2019 or later):

- Pan American Boulevard
- Sydney Avenue
- Hyde Park Avenue
- Pickwick Road
- Dorothy Avenue
- Porto Chico Avenue
- Humay Avenue
- Dulce Avenue
- Price Boulevard
- Ponce de Leon Boulevard
- Renault Circle

PAN AMERICAN BOULEVARD

Existing to be improved or modified (Fiscal Year 2017-2018):

- Biscayne Drive
- Trott Circle
- Elyton Drive

Proposed New Locations (Fiscal Year 2018-2019 or later):

- Sydney Avenue
- Hyde Park Avenue
- Garden of the Five Senses Entrance
- Appomattox Drive
- Primm Place
- Spring Haven Drive





QUESTIONS?