



**TECHNICAL ADVISORY COMMITTEE (TAC) MEETING**

Martin County Administrative Center  
4<sup>th</sup> Floor Workshop Room  
2401 SE Monterey Road, Stuart, FL 34996  
[www.martinmpo.com](http://www.martinmpo.com)  
(772) 221-1498

**Wednesday, September 4, 2024 @ 1:30 PM**

**AGENDA**

<u>ITEM</u>	<u>ACTION</u>
1. CALL TO ORDER	
2. ROLL CALL	
3. APPROVE AGENDA	APPROVE
4. APPROVE MINUTES <ul style="list-style-type: none"><li>TAC Meeting – June 3, 2024 (pg. 3)</li></ul>	APPROVE
5. COMMENTS FROM THE PUBLIC (PLEASE LIMIT YOUR COMMENTS TO THREE MINUTES; COMPLETE CARD TO COMMENT)	
6. AGENDA ITEMS	
A. FY25 - FY29 TRANSPORTATION IMPROVEMENT PROGRAM (TIP) – ROLL FORWARD AMENDMENT (pg. 8)	APPROVE
B. FY25 - FY29 TIP – MODIFICATION #1 (pg. 23)	APPROVE
C. FY26-FY30 LIST OF PROJECT PRIORITIES (LOPP) – MODIFICATION (pg. 25)	APPROVE
D. FUNCTIONAL CLASSIFICATION UPDATE (pg. 27)	APPROVE
E. SR-A1A ROAD SAFETY AUDIT – SR-A1A/SE OCEAN BLVD. FROM EAST OF MONTEREY ROAD TO WEST OF EVANS CRARY SR. BRIDGE. (pg. 47)	APPROVE
7. COMMENTS FROM COMMITTEE MEMBERS	

**8. NOTES**

**9. NEXT MEETING**

Joint TAC/CAC/BPAC Meeting – October 7, 2024

**10. ADJOURN**

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**METROPOLITAN PLANNING ORGANIZATION  
TECHNICAL ADVISORY COMMITTEE (TAC) MEETING**

Martin County Administration Building 4<sup>th</sup> Floor Workshop Room  
2401 SE Monterey Road, Stuart, FL 34996

[www.martinmpo.com](http://www.martinmpo.com)

(772) 221-1498

**Monday, June 3, 2024 @ 1:30 PM**

**MINUTES**

**CALL TO ORDER**

The meeting was called to order at 1:33 PM by Robert Daniels, Chair.

**ROLL CALL**

Peggy Brassard, MC Transit Division, called roll.

**TAC Members in Attendance:**

Robert Daniels, Chair  
Dr. Kim DeLaney, Vice Chair  
George Dzama  
Milton Leggett  
Samantha Lovelady  
Ashman Beecher  
Andrew McBean

**TAC Members Excused:**

Stuart Trent  
Taryn Kryzda  
Mark Cocco

**TAC Members Not in Attendance:**

Peter Kuen  
Ken DeAngeles

**Staff in Attendance:**

Beth Beltran, MPO Administrator  
Ricardo Vazquez, Senior Planner  
Lucine Martens, Planner  
Peggy Brassard, MC Transit Division

**Others in Attendance:**

Paul Carballo, Metric Engineering  
Pinal Gandhi-Savdas, Stuart CRA  
James Brown, FDOT-FTE  
Joe Capra, CAPTEC Engineering

Damaris Williams, FDOT  
Kelly Budhu, FDOT  
Lauren Boshell, MCA

**A quorum was present.**

### **3. APPROVE AGENDA**

**A motion to approve the agenda was made by Andrew McBean and was seconded by Samantha Lovelady. The motion passed unanimously.**

### **4. APPROVE MINUTES**

- TAC Meeting – April 3, 2024

**A motion to approve the Meeting Minutes of April 3, 2024, was made by Ashman Beecher and was seconded by Milton Leggett. The motion passed unanimously.**

### **5. COMMENTS FROM THE PUBLIC - None**

### **6. AGENDA ITEMS**

#### **A. FINAL DRAFT FY25 – FY29 TRANSPORTATION IMPROVEMENT PROGRAM (TIP)**

Ricardo Vazquez, Principal Planner, presented the Final Draft FY25 – FY29 Transportation Improvement Program (TIP). Transportation Disadvantaged allocation tables have been updated from information provided by the State. The capital improvement plan in the appendices for the municipalities and the County have been updated. The TIP was submitted for review in the FDOT GAP system. Per FDOT, corrections and missing information was provided.

Robert Daniels asked for additional information on the Sewall's Point project. Beth Beltran advised that in the next agenda item we will talk about the project.

**A motion to approve the Final Draft FY25 – FY29 Transportation Improvement Program (TIP) was made by Samantha Lovelady and was seconded by Milton Leggett. The motion passed unanimously.**

#### **B. FINAL DRAFT FY26 – FY30 LIST OF PROJECTS PRIORITIES (LOPP)**

Beth Beltran presented the Final Draft FY26 – FY30 List of Projects Priorities (LOPP). The Board made some changes to the list. Alice Street moved from number twelve to number six. The dedicated right turn lane on Kanner Highway moved up from number six to number five. The bascule bridge moved down to number seven. Project number five, the right turn lane on Kanner, the HOA voted no for dedicating the right-of-way for the turning lane. Ms. Beltran asked the committee if they want to keep number five on the list



or remove it now that the community is no longer donating the right-of-way. There was a warranty study and the results are that a traffic signal is not warranted.

George Dzama attended the meeting for the HOA vote and stated that the community wants a traffic signal. The community also wants another traffic study once Costco is completed. Mr. Dzama recommends keeping the item on the list. Discussion ensued and the TAC members decided to keep the item on the list and let the MPO Board have the conversation about how to address this project.

Robert Daniels sought clarification from George Dzama if the county had applied for another grant for work on N Sewall's Point Road. Mr. Dzama explained the road is on a grant priority list, but the road itself is in good condition. The county has not prioritized the project for rehabilitation. Mr. Daniels stated that is the problem and with Hurricane Nicole the road flooded, and nine cars had to be rescued. Mr. Daniels further stated the road is an evacuation route that gets flooded and there should be more of a priority to get the road fixed.

**Motion to approve Final Draft FY26 – FY30 List of Project Priorities (LOPP) was made by Andrew McBean and was seconded by Dr. Kim DeLaney. The motion passed unanimously.**

### **C. SOUTH DIXIE HIGHWAY IMPROVEMENTS PROJECT UPDATE**

Pinal Gandhi-Savdas, CRA Director with the City of Stuart, presented the South Dixie Highway Improvement Project Update. There had been some changes since the last presentation in February of last year. FEC is now requiring there be twenty-five feet between the road and the tracks. Also, the on-street parking on FEC's right-of-way needs to be removed. All new construction must be on the cities right-of-way. Pinal Gandhi-Savdas, CRA Director with the City of Stuart introduced Joe Capra to go into further detail of the project design.

This project is removing the parking out of the right-of-way and putting it adjacent to the road where new developments are happening. There will be improvements at the Joan Jefferson Way. Dixie will be a one-way street starting at Confusion Corner going northbound until California. Traffic calming can be added but has not at this time. Sidewalks will be added, but there is no room for bike lanes.

Ashman Beecher sought further information on the green areas that are highlighted and if they are all a part of the revised conceptual plan. Joe Capra explained that in Confusion Corner, that will remain the same. Everything going north on Dixie is where most of the changes are and some of the parking on the side streets.

Dr. Kim DeLaney mentioned that having pedestrians cross at West Ocean will be a nice improvement only having to look in one direction. Dr. DeLaney asked what the net improvement on storm water is and if we are in a net positive. Joe Capra explained there is an inlet by the old fire station, and it drains the area. There is an increase in net storm water improvement.

**A motion to approve the South Dixie Highway Improvements Project Update was made by Dr. Kim Delaney and was seconded by Andrew McBean. The motion passed unanimously.**

#### **D. SW HIGH MEADOW AVE WIDENING PD&E STUDY**

Paul Carballo, Consultant with Metric Engineering, presented the SW High Meadows Avenue Widening PD&E. The project is from I-95 to CR714/SW Martin Highway and is broken up into two segments. Segment one has three alternatives, segment two has one alternative, and the intersection concept has two alternatives.

George Dzama asked if right-of-way is required, which side will it be acquired from. Paul Carballo stated it would come from the residential side. Samantha Lovelady voiced concerns about the sidewalk being on the Turnpike side. Damaris Williams, Project Manager with FDOT, explained that the sidewalk would be there for the businesses and would cross at Golden Bear Way.

Discussion ensued while Paul Carballo further explained intersection alternative 2 in more detail.

#### **E. DEVELOPMENT REVIEW INTERACTIVE MAP UPDATE**

Ricardo Vazquez presented the Development Review Interaction Map. The map has been updated with all the MPO priority projects and Martin County's and City of Stuart's developments. At this time the Village of Indiantown has not been updated. The map will also be updated four times a year going forward.

Samantha Lovelady informed everyone that the Village of Indiantown just had an annexation change and that the municipal boundaries will be changing.

The committee complimented the interactive map.

**7. COMMENTS FROM COMMITTEE MEMBERS** – Dr. Kim DeLaney mentioned that the Tri-Rail board just put in place express service from the West Palm Station to downtown Miami. There will be two trains a day for express and the trip will be about an hour and twenty-five minutes. The cost of the trip is \$17.50 round trip.

**8. NOTES** - None

#### **9. NEXT MEETING**

- Joint CAC/BPAC/TAC Meeting – September 4, 2024

**ADJOURNMENT: 2:27 P.M.**

**Prepared by:**

\_\_\_\_\_  
Brittany Truong, Administrative Assistant

\_\_\_\_\_  
Date

**Approved by:**

\_\_\_\_\_  
Robert Daniels, Chair

\_\_\_\_\_  
Date

**Minutes Approved on September 4, 2024**

DRAFT

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**TECHNICAL ADVISORY COMMITTEE (TAC) MEETING  
AGENDA ITEM SUMMARY**

<b>MEETING DATE:</b> September 4, 2024	<b>DUE DATE:</b> August 28, 2024	<b>UPWP#:</b> 5
<b>WORDING:</b> FY25 - FY29 TRANSPORTATION IMPROVEMENT PROGRAM (TIP) ROLL-FORWARD AMENDMENT #1		
<b>REQUESTED BY:</b> FDOT	<b>PREPARED BY:</b> Margie Tamblyn / Beth Beltran	<b>DOCUMENT(S) REQUIRING ACTION:</b> FY25-FY29 TIP AMENDMENT #1

**BACKGROUND**

The FY25 – FY29 Transportation Improvement Program (TIP) was adopted by the MPO Policy Board on June 17, 2024, and becomes effective on October 1, 2024, to coincide with the Federal fiscal year. Each year, FDOT asks that those funds approved in the previous year that remain be “rolled forward” in order to be expended in the upcoming year. These funds are then incorporated into the FY25-FY29 TIP. The project funds to be rolled forward are incorporated into our current TIP by amendment.

**ISSUES**

Approval of the FY25 Martin MPO Roll Forward Report is being sought in TIP Amendment #1. The Roll-Forward funds will be added to the TIP, after being approved and signed by the MPO Policy Board Chairman. The Roll-Forward Amendment will be submitted to FDOT prior to the October 1, 2024, effective date.

**RECOMMENDED ACTION**

Approval of the FY25-FY29 TIP Roll-Forward Amendment #1

**FISCAL IMPACT**

Approval of the Roll-Forward TIP Amendment will make FY24 funds available for expenditure in Martin County in FY25.

**APPROVAL**

MPO

**ATTACHMENTS**

Martin MPO FY25 Roll-Forward Report



**Transportation  
Improvement  
Program  
FY25 – FY29**

**ROLL-FORWARD  
AMENDMENT**

# MARTIN METROPOLITAN PLANNING ORGANIZATION (MPO)

## FY 2024/25 – FY 2028/29 TRANSPORTATION IMPROVEMENT PROGRAM (TIP)

### TIP AMENDMENT APPROVAL CERTIFICATION FORM

#### FY 2024/25 ROLL FORWARD REPORT

The Martin MPO, through administrative delegation to its MPO Administrator, approved incorporation of the attached report into the FY2024/25-FY2028/29 TIP adopted on June 17, 2024. This amendment will be incorporated and recognized by the Federal Highway Administration after the FY2024/25-FY2028/29 TIP becomes effective on October 1, 2024.

I attest that this FY 2024/25 – FY 2028/29 administrative TIP amendment was developed and approved in compliance with applicable policies and procedures.

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Martin MPO Chair

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September 16, 2024

Date

## Introduction

The Florida Department of Transportation (FDOT) provides the Martin Metropolitan Planning Organization (MPO) with an annual database in April for the purposes of developing the MPO's Transportation Improvement Program (TIP). The database is compiled from the FDOT Tentative Work Program that is adopted on July 1. The Martin MPO TIP is usually adopted at the June Policy Board meeting. The first year of both the TIP and the FDOT Work Program should mirror each other. However, when the new TIP and Work Program are adopted, there are sometimes projects that were supposed to get authorized and encumbered prior to June 30, for many reasons, but did not. These projects will automatically roll forward in the Work Program but will not automatically roll forward in the TIP. Therefore, the TIP must be amended to include these projects and match the Work Program. This is completed by what is known as the Roll Forward TIP Amendment. This amendment is the first amendment to the TIP and occurs annually. The Roll Forward TIP Amendments are usually approved at the September MPO Policy Board Meeting.

Martin MPO staff received the proposed Roll Forward TIP Amendment request from FDOT on July 2, 2024. The Martin MPO Policy Board is required to make a decision on its approval.

## Roll Forward TIP Amendment Overview

The Roll Forward TIP Amendment includes 24 projects worth \$11,975,417 rolling forward into the FY25-FY29 TIP. The amendment is rolling forward \$10,880,578 in transit funds, which is approximately 91% of total roll forward funding, \$927,984 of highway funds, representing about 8% of total roll forward funding, and \$166,855 of Turnpike funding, accounting for approximately 1% of total roll forward funding.

The following page is a summary sheet regarding the projects and funding that are being rolled over into the FY25-FY29 Martin MPO TIP.



## Martin MPO FY25 Roll Forward Report Summary Sheet

Project	FM #	From	To	Work Type	Rollover Funds
Transit	413493-1	Section 5307 Formula Funds		Capital for Fixed Route	\$9,966,700
I-95	434273-4	Palm Beach/Martin County Line	CR-708 Interchange	Safety Project	\$62,071
Transit	434661-1	Section 5339 Capital for Bus & Bus Routes		Capital for Fixed Route	\$820,128
Jonathan Dickinson State Park- Flap Grant	436735-1	Park Entrance/through park	US-1	Miscellaneous Construction	\$3,017
Jonathan Dickinson State Park- Flap Grant	436735-2	Park Entrance/through park	US-1	Environmental Test/Mitigate	\$4,918
SR-A1A	436869-1	East of Lyons Bridge	SR-732/Jensen Beach Blvd.	Sidewalk	\$6,874
SR-5/US-1 North	436967-1	NW of Britt Road		Traffic Signals	\$3,670
Turnpike	437992-1	MP 117.843	MP 138.037	Resurfacing	\$7,773
SR-732/Jensen Beach Causeway	440473-1	NE Indian River Drive	SR-A1A	Signing/Pavement Markings	\$106,643
SR-5/US-1	443505-1	SE Bridge Road	Hobe Sound Wildlife Refuge	Bike Path/Trail	\$319,666
SR-76/Kanner Highway	446033-1	SE Cove Road	Cabana Point Drive	Landscaping	\$101,768
SR-5/US-1	446110-1	SE Contractors Way	N Jensen Beach Blvd	Resurfacing	\$41,660
SR-76/Kanner Highway	446112-1	North of SR-710/Warfield Blvd	MP 14.4	Resurfacing	\$107,792
Widen Turnpike	446219-1	Palm Beach County Line	I-95 Connector	Add Lanes & Reconstruct	\$2,767
Widen Turnpike	446332-1	I-95 Connector	T. B. Manuel Bridge	Add Lanes & Reconstruct	\$2,951
Turnpike	446975-1	TPK and I-95 Direct Connection Interchange		PD&E/EMO Study	\$1,553,364
Intersection Lighting Retrofit Improvement	447001-1	Martin County		Lighting	\$9,338
SR-710/SW Warfield Boulevard	447555-1	At Intersection with CR-714/SW Martin Highway		Road Reconstruction -2 Lane	\$65,816
SR-5/US-1 SB & NB	447687-1	Over St. Lucie River/SR-707 New Roosevelt Bridge		Bridge Repair/Rehabilitation	\$29,751
City of Stuart	448307-1	City of Stuart Various Locations		Sidewalk	\$5,000
Transit	453059-1	5310 Capital-Non-Urban UZA-SRA, Inc		Capital for Fixed Route	\$93,750
SR-710/SW Warfield Boulevard	453333-1	FPL Access Road	SW Van Buren Ave	Add Lanes & Reconstruct	\$30,000
SR-710/SW Warfield Boulevard	453333-2	Martin/Okeechobee County Line	FPL Access Road	Add Lanes & Reconstruct	\$30,000
<b>Total rollover funds</b>					<b>\$11,975,417</b>









FLORIDA DEPARTMENT OF TRANSPORTATION  
OFFICE OF WORK PROGRAM  
MPO ROLLFORWARD REPORT

HIGHWAYS

ITEM NUMBER:446112 1 PROJECT DESCRIPTION:SR-76/KANNER HWY FROM NORTH OF SR-710/WARFIELD BLVD TO MP 14.4 \*NON-SIS\*  
DISTRICT:04 COUNTY:MARTIN TYPE OF WORK:RESURFACING  
ROADWAY ID:89060000 PROJECT LENGTH: 1.913MI LANES EXIST/IMPROVED/ADDED: 2/ 2/ 0

FUND CODE	LESS THAN 2025	2025	2026	2027	2028	2029	GREATER THAN 2029	ALL YEARS
PHASE: PRELIMINARY ENGINEERING / RESPONSIBLE AGENCY: MANAGED BY FDOT								
DDR	400,626		0	0	0	0	0	400,626
DIH	30,082	4,506	0	0	0	0	0	34,588
PHASE: CONSTRUCTION / RESPONSIBLE AGENCY: MANAGED BY FDOT								
DDR	1,834,222		0	0	0	0	0	1,834,222
DIH	21,573	103,286	0	0	0	0	0	124,859
DS	1,352,681	0	0	0	0	0	0	1,352,681
PHASE: ENVIRONMENTAL / RESPONSIBLE AGENCY: MANAGED BY FDOT								
DDR	7,532		0	0	0	0	0	7,532
<b>TOTAL 446112 1</b>	<b>3,646,716</b>	<b>107,792</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,754,508</b>
<b>TOTAL PROJECT:</b>	<b>3,646,716</b>	<b>107,792</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,754,508</b>

ITEM NUMBER:447002 1 PROJECT DESCRIPTION:INTERSECTION LIGHTING RETROFIT IMPROVEMENT \*NON-SIS\*  
DISTRICT:04 COUNTY:MARTIN TYPE OF WORK:LIGHTING  
EX DESC:INTERSECTION LIGHTING RETROFIT IMPROVEMENT SR-714 @ MAPP RD. G/W 447001.1(LEAD) AND 447003.1

ROADWAY ID:89091000 PROJECT LENGTH: .015MI LANES EXIST/IMPROVED/ADDED: 4/ 0/ 0

FUND CODE	LESS THAN 2025	2025	2026	2027	2028	2029	GREATER THAN 2029	ALL YEARS
PHASE: PRELIMINARY ENGINEERING / RESPONSIBLE AGENCY: MANAGED BY FDOT								
ACSS	17,464	1,345	0	0	0	0	0	18,809
HSP	74,663	0	0	0	0	0	0	74,663
PHASE: CONSTRUCTION / RESPONSIBLE AGENCY: MANAGED BY FDOT								
ACSS	171,009	18,283	0	0	0	0	0	189,292
DS	7,105	0	0	0	0	0	0	7,105
<b>TOTAL 447002 1</b>	<b>270,241</b>	<b>19,628</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>289,869</b>
<b>TOTAL PROJECT:</b>	<b>270,241</b>	<b>19,628</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>289,869</b>

ITEM NUMBER:447555 1 PROJECT DESCRIPTION:SR-710/SW WARFIELD BOULEVARD AT CR-714/SW MARTIN HIGHWAY \*SIS\*  
DISTRICT:04 COUNTY:MARTIN TYPE OF WORK:ROAD RECONSTRUCTION - 2 LANE  
EX DESC:2024 MPO PRIORITY #3 G/W 447555.2; INCLUDES RELOCATION OF CR-714 TO SE 126 BLVD B/C RATIO = 4.3 1) FLATTEN THE HORIZONTAL CURVE ON CR-714 2) CONVERT THE EXISTING STOP CONTROLLED INTERSECTION SR 710

ROADWAY ID:89090500 PROJECT LENGTH: .485MI LANES EXIST/IMPROVED/ADDED: 2/ 0/ 0

FUND CODE	LESS THAN 2025	2025	2026	2027	2028	2029	GREATER THAN 2029	ALL YEARS
PHASE: PRELIMINARY ENGINEERING / RESPONSIBLE AGENCY: MANAGED BY FDOT								
ACSA	80,163	0	0	0	0	0	0	80,163
ACSS	21,099	25,816	0	0	0	0	0	46,915
HSP	3,885	0	0	0	0	0	0	3,885
SU	547,719	0	0	0	0	0	0	547,719
PHASE: RIGHT OF WAY / RESPONSIBLE AGENCY: MANAGED BY FDOT								
ACSS	0	135,859	176,187	150,330	0	0	0	462,376
SA	0	18,000	0	0	0	0	0	18,000



MARTIN MPO

HIGHWAYS

ITEM NUMBER:453333 1 PROJECT DESCRIPTION:SR-710/SW WARFIELD BLVD FR FPL ACCESS RD TO SW VAN BUREN AVE \*SIS\*  
DISTRICT:04 COUNTY:MARTIN TYPE OF WORK:ADD LANES & RECONSTRUCT  
EX DESC:RECONSTRUCT SR 710 FR 2 LANE TO 4 LANE DIVIDED HIGHWAY 2024 MPO PRIORITY #1

ROADWAY ID:89070000 PROJECT LENGTH: 5.939MI LANES EXIST/IMPROVED/ADDED: 4/ 2/ 2

FUND CODE	LESS THAN 2025	2025	2026	2027	2028	2029	GREATER THAN 2029	ALL YEARS
PHASE: PRELIMINARY ENGINEERING / RESPONSIBLE AGENCY: MANAGED BY FDOT								
ACNP	255,000	1,005,000	500,000	25,000	25,000	25,000	0	1,835,000
SA	150,000	0	0	0	0	0	0	150,000
PHASE: RIGHT OF WAY / RESPONSIBLE AGENCY: MANAGED BY FDOT								
ACNP	0	0	1,100,000	2,475,000	1,920,860	4,997,445	544,864	11,038,169
BNIR	0	0	0	0	3,000,000	0	0	3,000,000
<b>TOTAL 453333 1</b>	<b>405,000</b>	<b>1,005,000</b>	<b>1,600,000</b>	<b>2,500,000</b>	<b>4,945,860</b>	<b>5,022,445</b>	<b>544,864</b>	<b>16,023,169</b>

ITEM NUMBER:453333 2 PROJECT DESCRIPTION:SR-710 FROM MARTIN/OKEECHOBEE CO LINE TO FPL POWER PLANT ACCESS ROAD \*SIS\*  
DISTRICT:04 COUNTY:MARTIN TYPE OF WORK:ADD LANES & RECONSTRUCT  
ROADWAY ID:89070000 PROJECT LENGTH: 9.812MI LANES EXIST/IMPROVED/ADDED: 3/ 3/ 0

FUND CODE	LESS THAN 2025	2025	2026	2027	2028	2029	GREATER THAN 2029	ALL YEARS
PHASE: PRELIMINARY ENGINEERING / RESPONSIBLE AGENCY: MANAGED BY FDOT								
ACNP	550,000	1,690,000	4,725,000	25,000	25,000	25,000	0	7,040,000
PHASE: RIGHT OF WAY / RESPONSIBLE AGENCY: MANAGED BY FDOT								
ACNP	0	0	1,774,019	1,153,213	6,802,060	6,048,186	0	15,777,478
BNIR	0	0	0	0	4,500,000	0	0	4,500,000
DI	0	0	0	8,568,306	0	0	0	8,568,306
<b>TOTAL 453333 2</b>	<b>550,000</b>	<b>1,690,000</b>	<b>6,499,019</b>	<b>9,746,519</b>	<b>11,327,060</b>	<b>6,073,186</b>	<b>0</b>	<b>35,885,784</b>
<b>TOTAL PROJECT:</b>	<b>955,000</b>	<b>2,695,000</b>	<b>8,099,019</b>	<b>12,246,519</b>	<b>16,272,920</b>	<b>11,095,631</b>	<b>544,864</b>	<b>51,908,953</b>
<b>TOTAL DIST: 04</b>	<b>65,681,320</b>	<b>3,679,198</b>	<b>13,288,244</b>	<b>12,396,849</b>	<b>16,272,920</b>	<b>11,095,631</b>	<b>544,864</b>	<b>122,959,026</b>
<b>TOTAL HIGHWAYS</b>	<b>65,681,320</b>	<b>3,679,198</b>	<b>13,288,244</b>	<b>12,396,849</b>	<b>16,272,920</b>	<b>11,095,631</b>	<b>544,864</b>	<b>122,959,026</b>



FLORIDA DEPARTMENT OF TRANSPORTATION  
 OFFICE OF WORK PROGRAM  
 MPO ROLLFORWARD REPORT

=====

**TURNPIKE**

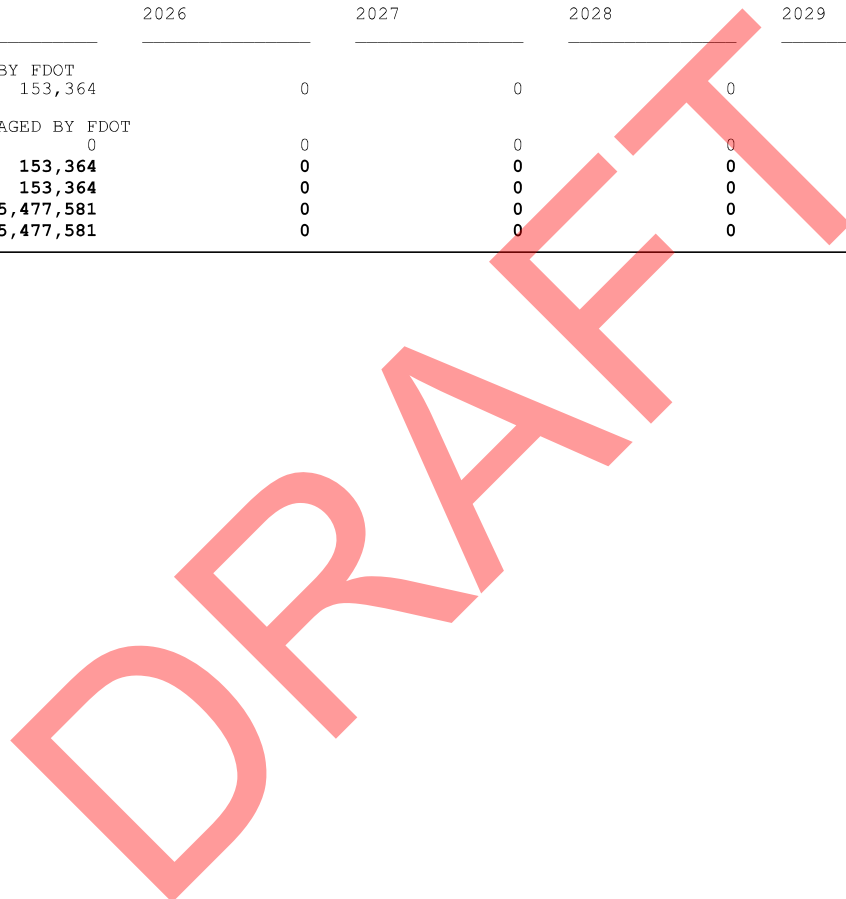
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ITEM NUMBER:446975 1  
 DISTRICT:04  
 ROADWAY ID:89470000

PROJECT DESCRIPTION:TPK (SR91) AND I-95 DIRECT CONNECTION INTERCHANGE (MP 125)  
 COUNTY:MARTIN  
 PROJECT LENGTH: 3.000MI

\*SIS\*  
 TYPE OF WORK:PD&E/EMO STUDY  
 LANES EXIST/IMPROVED/ADDED: 4/ 0/ 0

FUND CODE	LESS THAN 2025	2025	2026	2027	2028	2029	GREATER THAN 2029	ALL YEARS
PHASE: P D & E / RESPONSIBLE AGENCY: MANAGED BY FDOT								
PKYI	1,383,538	153,364		0	0	0	0	1,536,902
PHASE: CONSTRUCTION / RESPONSIBLE AGENCY: MANAGED BY FDOT								
PKYI	1,949	0		0	0	0	0	1,949
<b>TOTAL 446975 1</b>	<b>1,385,487</b>	<b>153,364</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,538,851</b>
<b>TOTAL PROJECT:</b>	<b>1,385,487</b>	<b>153,364</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,538,851</b>
<b>TOTAL DIST: 04</b>	<b>43,123,497</b>	<b>25,477,581</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>68,601,078</b>
<b>TOTAL TURNPIKE</b>	<b>43,123,497</b>	<b>25,477,581</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>68,601,078</b>





FLORIDA DEPARTMENT OF TRANSPORTATION  
OFFICE OF WORK PROGRAM  
MPO ROLLFORWARD REPORT  
=====

MARTIN MPO

TRANSIT  
=====

ITEM NUMBER:413493 1 PROJECT DESCRIPTION:PSL UZA - MARTIN COUNTY SECTION 5307 FORMULA FUNDS \*NON-SIS\*  
DISTRICT:04 COUNTY:MARTIN TYPE OF WORK:CAPITAL FOR FIXED ROUTE  
EX DESC:MARTIN COUNTY SEC 5307 OPERATING ASSISTANCE GRANT FL-90-X786 FOR 848,725 EXECUTED 8/30/12 PER L.MERRITT GRANT FL-90  
-X813 FOR 885,078 EXECUTED 10/25/13 PER L.MERRITT

ROADWAY ID:		PROJECT LENGTH: .000					LANES EXIST/IMPROVED/ADDED: 0/ 0/ 0		
FUND CODE	LESS THAN 2025	2025	2026	2027	2028	2029	GREATER THAN 2029	ALL YEARS	
PHASE: OPERATIONS / RESPONSIBLE AGENCY: MANAGED BY MARTIN COUNTY									
FTA	1,459,695	5,554,413	510,000	510,000	510,000	510,000	0	9,054,108	
PHASE: CAPITAL / RESPONSIBLE AGENCY: MANAGED BY MARTIN COUNTY									
FTA	1,357,429	5,572,287	650,000	650,000	650,000	650,000	0	9,529,716	
<b>TOTAL 413493 1</b>	<b>2,817,124</b>	<b>11,126,700</b>	<b>1,160,000</b>	<b>1,160,000</b>	<b>1,160,000</b>	<b>1,160,000</b>	<b>0</b>	<b>18,583,824</b>	
<b>TOTAL PROJECT:</b>	<b>2,817,124</b>	<b>11,126,700</b>	<b>1,160,000</b>	<b>1,160,000</b>	<b>1,160,000</b>	<b>1,160,000</b>	<b>0</b>	<b>18,583,824</b>	

ITEM NUMBER:434661 1 PROJECT DESCRIPTION:PSL UZA - MARTIN COUNTY SECTION 5339 CAPITAL FOR BUS & BUS FACILITIES \*NON-SIS\*  
DISTRICT:04 COUNTY:MARTIN TYPE OF WORK:CAPITAL FOR FIXED ROUTE  
EX DESC:GRANT FL-34-0018 EXECUTED 7/30/2014 FL-2017-077-00;\$79,083; EXECUTED 8/8/2017 NON-BUDGET REVENUE

ROADWAY ID:		PROJECT LENGTH: .000					LANES EXIST/IMPROVED/ADDED: 0/ 0/ 0		
FUND CODE	LESS THAN 2025	2025	2026	2027	2028	2029	GREATER THAN 2029	ALL YEARS	
PHASE: CAPITAL / RESPONSIBLE AGENCY: MANAGED BY MARTIN COUNTY									
FTA	293,017	950,128	130,000	130,000	130,000	130,000	0	1,763,145	
<b>TOTAL 434661 1</b>	<b>293,017</b>	<b>950,128</b>	<b>130,000</b>	<b>130,000</b>	<b>130,000</b>	<b>130,000</b>	<b>0</b>	<b>1,763,145</b>	
<b>TOTAL PROJECT:</b>	<b>293,017</b>	<b>950,128</b>	<b>130,000</b>	<b>130,000</b>	<b>130,000</b>	<b>130,000</b>	<b>0</b>	<b>1,763,145</b>	

ITEM NUMBER:453059 2 PROJECT DESCRIPTION:5310 CAPITAL-NON-URBAN UZA-SRA, INC \*NON-SIS\*  
DISTRICT:04 COUNTY:MARTIN TYPE OF WORK:CAPITAL FOR FIXED ROUTE  
ROADWAY ID: PROJECT LENGTH: .000 LANES EXIST/IMPROVED/ADDED: 0/ 0/ 0

FUND CODE	LESS THAN 2025	2025	2026	2027	2028	2029	GREATER THAN 2029	ALL YEARS	
PHASE: CAPITAL / RESPONSIBLE AGENCY: MANAGED BY SENIOR RESOURCE ASSOCIATION									
DPTO	0	9,375	0	0	0	0	0	9,375	
DU	0	75,000	0	0	0	0	0	75,000	
LF	0	9,375	0	0	0	0	0	9,375	
<b>TOTAL 453059 2</b>	<b>0</b>	<b>93,750</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>93,750</b>	
<b>TOTAL PROJECT:</b>	<b>0</b>	<b>93,750</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>93,750</b>	
<b>TOTAL DIST: 04</b>	<b>3,110,141</b>	<b>12,170,578</b>	<b>1,290,000</b>	<b>1,290,000</b>	<b>1,290,000</b>	<b>1,290,000</b>	<b>0</b>	<b>20,440,719</b>	
<b>TOTAL TRANSIT</b>	<b>3,110,141</b>	<b>12,170,578</b>	<b>1,290,000</b>	<b>1,290,000</b>	<b>1,290,000</b>	<b>1,290,000</b>	<b>0</b>	<b>20,440,719</b>	

**MISCELLANEOUS**

ITEM NUMBER:436735 1 PROJECT DESCRIPTION:JONATHAN DICKINSON STATE PARK-FLAP GRANT FOR TRAIL & US-1 SIGNALIZATN \*NON-SIS\*  
DISTRICT:04 COUNTY:MARTIN TYPE OF WORK:MISCELLANEOUS CONSTRUCTION  
EX DESC:IN-HOUSE 31 AND 61 FUNDS ARE DIH BECAUSE THE PRIMARY COORDINATION THAT THE DEPARTMENT WILL BE INVOLVED IN WILL BE T  
HE US1 SIGNALIZATION CROSSING ENVIRONMENTAL PHASE FOR GOPHER TORTOISE ON SEGMENT 2

ROADWAY ID:89010000 PROJECT LENGTH: .070MI LANES EXIST/IMPROVED/ADDED: 4/ 0/ 0

FUND CODE	LESS THAN 2025	2025	2026	2027	2028	2029	GREATER THAN 2029	ALL YEARS
PHASE: PRELIMINARY ENGINEERING / RESPONSIBLE AGENCY: MANAGED BY FDOT								
DIH		9,149	2,346	0	0	0	0	11,495
PHASE: PRELIMINARY ENGINEERING / RESPONSIBLE AGENCY: MANAGED BY FL DEPT OF ENVIRONMENTAL								
DDR		148,225	0	0	0	0	0	148,225
DIH		2,865	0	0	0	0	0	2,865
PLH		125,000	0	0	0	0	0	125,000
PHASE: CONSTRUCTION / RESPONSIBLE AGENCY: MANAGED BY FDOT								
DIH		1,277	671	0	0	0	0	1,948
PHASE: CONSTRUCTION / RESPONSIBLE AGENCY: MANAGED BY FL DEPT OF ENVIRONMENTAL								
DIH		625	0	0	0	0	0	625
DS		714,000	0	0	0	0	0	714,000
PLH		551,000	0	0	0	0	0	551,000
<b>TOTAL 436735 1</b>		<b>1,552,141</b>	<b>3,017</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,555,158</b>

ITEM NUMBER:436735 2 PROJECT DESCRIPTION:JONATHAN DICKINSON STATE PARK-FLAP GRANT FOR TRAIL & US-1 SIGNALIZATN \*NON-SIS\*  
DISTRICT:04 COUNTY:MARTIN TYPE OF WORK:ENVIRONMENTAL TEST/MITIGATE  
EX DESC:GOPHER TORTOISE RELOCATION

ROADWAY ID:89010000 PROJECT LENGTH: .070MI LANES EXIST/IMPROVED/ADDED: 2/ 2/ 0

FUND CODE	LESS THAN 2025	2025	2026	2027	2028	2029	GREATER THAN 2029	ALL YEARS
PHASE: CONSTRUCTION / RESPONSIBLE AGENCY: MANAGED BY FDOT								
SA		82	4,918	0	0	0	0	5,000
PHASE: ENVIRONMENTAL / RESPONSIBLE AGENCY: MANAGED BY FDOT								
ACSA		104,396	0	0	0	0	0	104,396
SA		34,798	0	0	0	0	0	34,798
<b>TOTAL 436735 2</b>		<b>139,276</b>	<b>4,918</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>144,194</b>
<b>TOTAL PROJECT:</b>		<b>1,691,417</b>	<b>7,935</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,699,352</b>
<b>TOTAL DIST: 04</b>		<b>1,691,417</b>	<b>7,935</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,699,352</b>
<b>TOTAL MISCELLANEOUS</b>		<b>1,691,417</b>	<b>7,935</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,699,352</b>

GRAND TOTAL 113,606,375 41,335,292 14,578,244 13,686,849 17,562,920 12,385,631 544,864 213,700,175



**MARTIN METROPOLITAN PLANNING ORGANIZATION  
TECHNICAL ADVISORY COMMITTEE (TAC) MEETING  
AGENDA ITEM SUMMARY**

<b>MEETING DATE:</b> September 4, 2024	<b>DUE DATE:</b> August 28, 2024	<b>UPWP#:</b> 5
<b>WORDING:</b> FY25-FY29 TRANSPORTATION IMPROVEMENT PROGRAM (TIP) MODIFICATION #1		
<b>REQUESTED BY:</b> FDOT	<b>PREPARED BY:</b> Margie Tamblyn / Beth Beltran	<b>DOCUMENT(S) REQUIRING ACTION:</b> FY25-FY29 TIP

**BACKGROUND**

The Florida Department of Transportation (FDOT) has updated the southeastern project limit for the SR-710 Widening Project (FM# 453333-1). Reflecting this updated project limit for SR-710 in the FY25-FY29 TIP will make this document consistent with the current FDOT programming. The modification is listed below:

- SR-710/SW Warfield Blvd from FPL Access Road to CR-609/Allapattah Road
  - Change project limits to “from FPL Access Road to SW Van Buren Avenue”

The roadway currently transitions from four lanes through Indiantown to two lanes at SW Van Buren Avenue.

**ISSUES**

At the September MPO Advisory Committee meetings, Martin MPO staff will present the FY25-FY29 TIP Modification.

**RECOMMENDED ACTION**

Approve TIP modification.

**APPROVAL**

MPO

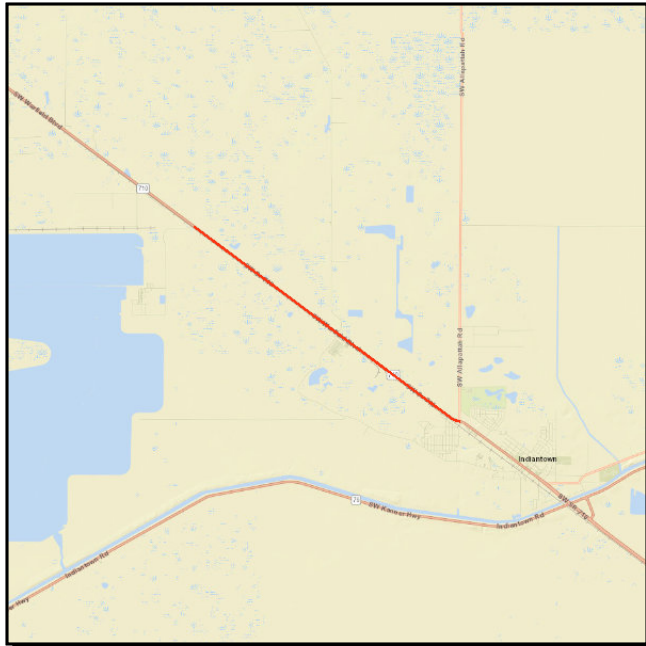
**ATTACHMENTS**

TIP Project Page

**4533331**

**SR-710/SW WARFIELD BLVD FR FPL ACCESS RD TO SW VAN BUREN AVE**

**SIS**



**Project Description:** RECONSTRUCT SR 710 FR 2 LANE TO 4 LANE DIVIDED HIGHWAY 2024 MPO PRIORITY #1

**Work Summary:** ADD LANES & RECONSTRUCT **From:** SW FP&L ACCESS ROAD

**To:** SW VAN BUREN AVE

**Lead Agency:** Managed by FDOT **Length:** 5.201

Phase	Fund Source	2024/25	2025/26	2026/27	2027/28	2028/29	Total
PE	ACNP	975,000	500,000	25,000	25,000	25,000	<b>1,550,000</b>
ROW	ACNP	0	1,100,000	2,475,000	1,920,860	4,997,445	<b>10,493,305</b>
ROW	BNIR	0	0	0	3,000,000	0	<b>3,000,000</b>
<b>Total</b>		<b>975,000</b>	<b>1,600,000</b>	<b>2,500,000</b>	<b>4,945,860</b>	<b>5,022,445</b>	<b>15,043,305</b>

**Prior Year Cost:** 435,000  
**Future Year Cost:** 0  
**Total Project Cost:** 15,478,305



**MARTIN METROPOLITAN PLANNING ORGANIZATION  
TECHNICAL ADVISORY COMMITTEE (TAC) MEETING  
AGENDA ITEM SUMMARY**

<b>MEETING DATE:</b> September 4, 2024	<b>DUE DATE:</b> August 28, 2024	<b>UPWP#:</b> 5
<b>WORDING:</b> FY26 – FY30 LIST OF PROJECT PRIORITIES (LOPP) MODIFICATION		
<b>REQUESTED BY:</b> FDOT	<b>PREPARED BY:</b> Margie Tamblyn / Beth Beltran	<b>DOCUMENT(S) REQUIRING ACTION:</b> FY26-FY30 LOPP

**BACKGROUND**

The FY25-FY29 Transportation Improvement Program (TIP) modification to change the project limits of the SR-710 Widening (FM# 453333-1) from FPL Access Road to SW Van Buren Ave must be reflected in the adopted List of Project Priorities (LOPP).

**ISSUES**

At the September MPO Advisory Committee meetings, Martin MPO staff will present the FY26-FY30 LOPP Modification.

**RECOMMENDED ACTION**

Approve TIP modification.

**APPROVAL**

MPO

**ATTACHMENTS**

TIP Project Page

**MARTIN MPO FY26-FY30 Federal Attributable  
UNFUNDED List of Project Priorities**

FY26 Rank	Facility	Segment Limits		Project Description	2045 LRTP Page	Prev. Rank
		From	To			
1	SR-710	SW Van Buren Ave	Martin/ Okeechobee County Line	Widen from 2-lanes to 4-lanes	76	1
2	SE Cove Rd.	SR-76/ Kanner Hwy.	US-1	Widen from 2-lanes to 4-lanes including bike lanes and shared use pathway	69	2
3	CR-714	Realignment		Flatten curve of CR-714 before intersection at SR-710	Appx. G, pg. 1	3
4	Monterey Rd.	At FEC Railroad		Railroad/roadway grade separation	Appx. H, pg. 5	4
5	NW Alice St.	FEC Crossing		Pedestrian facilities/realign roadway with NW Wright Blvd.	Appx. H, pg. 11	9
6	CR-708/ SE Bridge Rd.	Bascule Bridge		Bridge Replacement	132	5
7	SR-710	At CR-609/SW Allapattah Rd.		Intersection improvements (Signal and Turn Lanes)	128132	13
8	SE Commerce Ave.	SE Indian St.		Roadway leveling, resurfacing, shoulder widening, drainage improvements, pedestrian crosswalks	128, 132	
9	US-1	At SW Palm City Rd.		Intersection reconstruction/Feasibility Study-Alternative 5	128, 132	
10	SW Palm City Rd.	Monterey Rd.		Complete Streets improvements	128, 132	
11	Monterey Rd. & East Ocean Blvd.	Kingswood Ter.		Mid-block pedestrian crosswalks	Appx. H, pg. 11	8
12	Willoughby Blvd. Extension	Monterey Rd.		New 2-lane road with bike lanes and sidewalks/shared use pathways	69	10
13	CR-713/High Meadow Ave.	I-95		Widen from 2 lanes to 4 lanes with shared-use pathway	69	11
14	Dixie Hwy.	Cove Rd.		Resurfacing/Complete Street improvements/CEI	84	12
15	SW Citrus Blvd.	SW Hemingway Ter.		Resurfacing/shoulder widening and bike lanes/safety improvements	128, 132	15
16	CR-609/ SW Allapattah Rd.	SR-710		Resurfacing/southbound left turn lane/shoulder widening/CEI	128, 132	13
17	CR-609/ SW Allapattah Rd.	Approx. 3 miles North of Minute Maid Rd.		Resurfacing/shoulder widening/safety improvements	128, 132	14
18	N Sewall's Point Rd.	East Ocean Blvd.		Mitigate for sea level rise impact	87	16
19	SR-76/ Kanner Hwy.	At SW South River Dr.		New southbound right turn lane at South River Dr. & traffic signal	80	6



**MARTIN METROPOLITAN PLANNING ORGANIZATION  
TECHNICAL ADVISORY COMMITTEE (TAC) MEETING  
AGENDA ITEM SUMMARY**

<b>MEETING DATE:</b> September 4, 2024	<b>DUE DATE:</b> August 28, 2024	<b>UPWP#:</b> 1
<b>WORDING:</b> FUNCTIONAL CLASSIFICATION UPDATE		
<b>REQUESTED BY:</b> FDOT	<b>PREPARED BY:</b> Ricardo Vazquez / Beth Beltran	<b>DOCUMENT(S) REQUIRING ACTION:</b> Functional Classification Map

**BACKGROUND**

Every ten years the Census Bureau delineates urban and rural areas for statistical purposes. The Federal Highway Administration’s (FHWA’s) Federal Functional Classification process occurs following the U.S. Census and adjusts the Census urban boundaries and groups roadways into classes such as principal and minor arterials, collectors, and local streets. FDOT-District Four has initiated this decennial review.

Local government staff met with FDOT and their consultants on August 1, 2024, to review the proposed changes to the functional classification system. FDOT will present the final draft of the functional classification map to the MPO Board at the September 16, 2024, meeting. Once approved by the MPO Board, FDOT will submit the map to FHWA for final adoption.

**ISSUES**

At the September MPO Advisory Committee meetings, FDOT Staff and their consultant will present the Functional Classification System update.

**RECOMMENDED ACTION**

Approve Functional Classification Map.

**APPROVAL**

MPO

**ATTACHMENTS**

- Functional Classification Update PowerPoint Presentation
- DRAFT Functional Classification Map





# 2020 Urban Boundary and Functional Classification

Martin County

September 4, 2024





# Functional Classification - Overview

- Functional Classification (Funclass) is a method to describe the usage of roadways within the immediate area, regionally for some roadways and statewide for others.
- Federal Highway Administration requires roadways to be functionally classified to fund roadway improvements and perform analysis of the network of roadways.
- Federal-aid Eligibility is determined by Functional Classification which includes roadways higher than Local or Rural Minor Collector.
  - Surface Transportation Block Grant (STBG) funds are used on Federal-aid roadways.
  - Federal Highway-Emergency Relief (FHWA-ER) are used after a disaster declaration (e.g., hurricane, floods, tornados,...)





# Functional Classification - Roles

- FDOT performs initial review and determination of Funclass.
- City and County agencies review Funclass within and adjacent to their boundaries providing concurrence or recommendations for Funclass of roadways.
- MPO/TPO/TPA approve the Funclass by signing the official maps.
- FDOT & FHWA approve the Funclass by signing the official maps.





# Functional Classification – Correlation of Mobility/Land Access

Proportion of Services	Functional Classification	Generally
	Principal Arterials	Primarily, freeways and interstates, help move people and goods longer distances and connect to other communities.
	Minor Arterials Collectors	These facilities movement within the vicinity.
	Locals	Local roads are lower in mobility and have direct access to properties.

Source: FHWA Functional Classification Guidelines – Early Edition



# Functional Classification – Roadway Attribute Generalities

Functional Class	Access Points	Speed Limit	AADT	Lanes	Length
Principal Art	Few	Highest	Highest	Most	Longest
Minor Art	Few	High	High	Medium	Medium
Major Collector	Medium	Medium	Medium	Medium	Medium
Minor Collector	Medium	Low	Low	Low	Short
Local	Many	Lowest	Lowest	Few	Shortest

Data Source: FDOT FCUAB Handbook





# Functional Classification - Process

Steps	Description
1	Align Functional Classification with 2024 Smoothed Urban Area Boundaries
2	Determine Changes to Functional Classification based on Roadway Purpose
3	Review “Local Roads” and determine additions to Federal-aid System – Surface Transportation Block Grant (STBG)

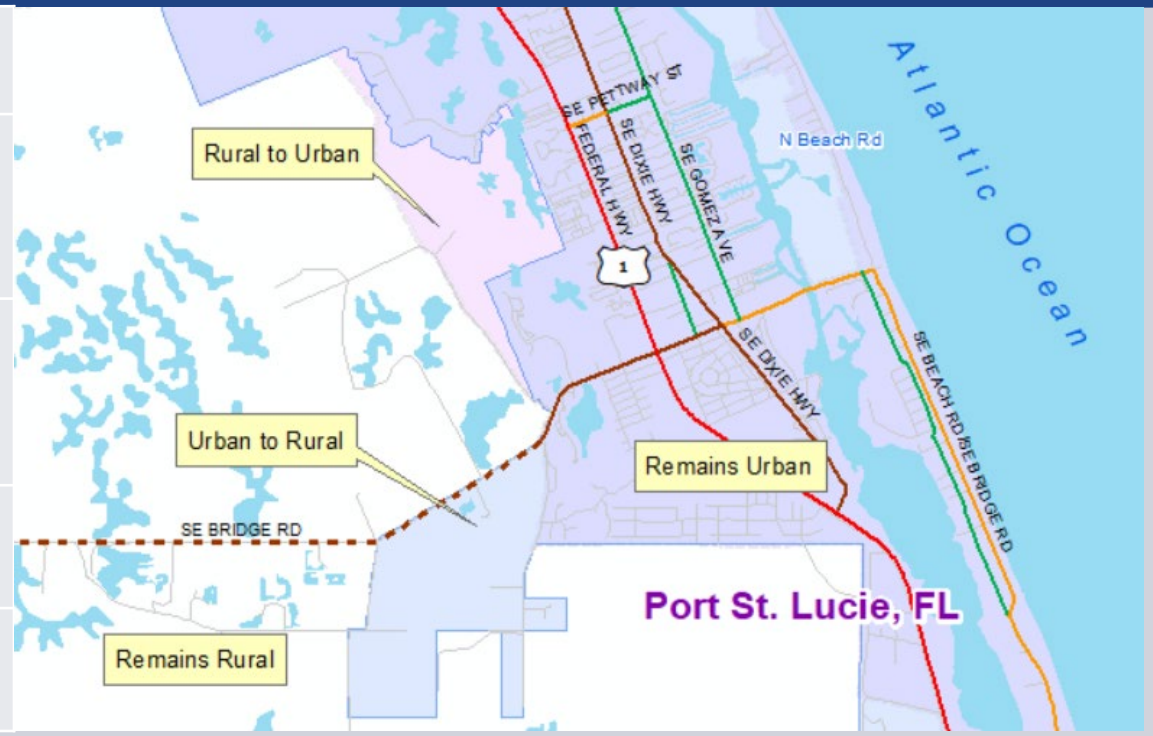




# Functional Classification – Align with Urban Boundaries

## 1. How the Urban Boundary affects the Functional Class

Urban Area	Results
Smoothed 2014	Inside 2014/now rural
Smoothed 2024	Inside 2024/now urban
Both	Inside both/remains urban
Rural	Outside both/remains rural



Data Source: FDOT FCUAB Handbook





# Functional Classification – Align with Urban Boundaries Result

County	FUNCTIONAL CLASS: 2014 vs. 2024														Rural to Urban Total	Urban to Rural Total	Net Change (Miles)	
	Interstate		Expressway		Principal Arterial/Other		Minor Arterial		Major Collector		Minor Collector		Local					
	Rural to Urban	Urban to Rural	Rural to Urban	Urban to Rural	Rural to Urban	Urban to Rural	Rural to Urban	Urban to Rural	Rural to Urban	Urban to Rural	Rural to Urban	Urban to Rural	Rural to Urban	Urban to Rural				
<b>Broward</b>	0.562				0.472									0.273		<b>1.307</b>		<b>1.307 U</b>
<b>Indian River</b>	1.252				0.254	0.033	1.038	2.456	1.068	1.937				2.923		<b>3.612</b>	<b>7.349</b>	<b>3.737 R</b>
<b>Martin</b>					<b>2.279</b>	<b>3.339</b>	<b>3.351</b>	<b>7.187</b>				<b>3.139</b>		<b>0.711</b>		<b>5.630</b>	<b>14.376</b>	<b>8.746 R</b>
<b>Palm Beach</b>	0.145		0.170		2.577	4.653	0.501	0.016		1.545	0.502	2.012	0.283			<b>4.178</b>	<b>8.226</b>	<b>4.048 R</b>
<b>St. Lucie</b>		0.040	0.012		0.017	0.564		0.526		0.539						<b>0.029</b>	<b>1.669</b>	<b>1.640 R</b>
<b>Total</b>	<b>1.959</b>	<b>0.040</b>	<b>0.182</b>		<b>5.599</b>	<b>8.589</b>	<b>4.890</b>	<b>10.185</b>	<b>1.068</b>	<b>4.021</b>	<b>0.598</b>	<b>5.151</b>	<b>0.556</b>	<b>3.634</b>		<b>14.756</b>	<b>31.620</b>	<b>16.768 R</b>

Data Source: RCI



# Functional Classification – Align with Urban Boundaries Summary

FUNCTIONAL CLASS: 2014 vs. 2024			
COUNTY	2014 Rural to 2024 Urban	2014 Urban to 2024 Rural	Net Change (Miles)
Broward	1.307		1.307 Urban
Indian River	3.612	7.349	3.737 Rural
<b>Martin</b>	<b>5.630</b>	<b>14.376</b>	<b>8.746 Rural</b>
Palm Beach	4.178	8.226	4.048 Rural
St. Lucie	0.029	1.669	1.640 Rural
Total	14.759	31.620	16.768 Rural

Data Source: RCI





# Functional Classification – Align with Urban Boundaries Funding Results

FUNCTIONAL CLASS: 2014 vs. 2024			
COUNTY	Added to Fed. Aid Eligibility (Rural to Urban Minor Coll.)	Removed from Fed. Aid Eligibility (Urban to Rural Minor Coll.)	No Changes to Fed. Aid Eligibility
Broward			1.307
Indian River			10.961
<b>Martin</b>		<b>3.139</b>	<b>16.867</b>
Palm Beach	0.502	2.012	9.890
St. Lucie			1.698
Total	0.502	5.151	40.723

Data Source: RCI

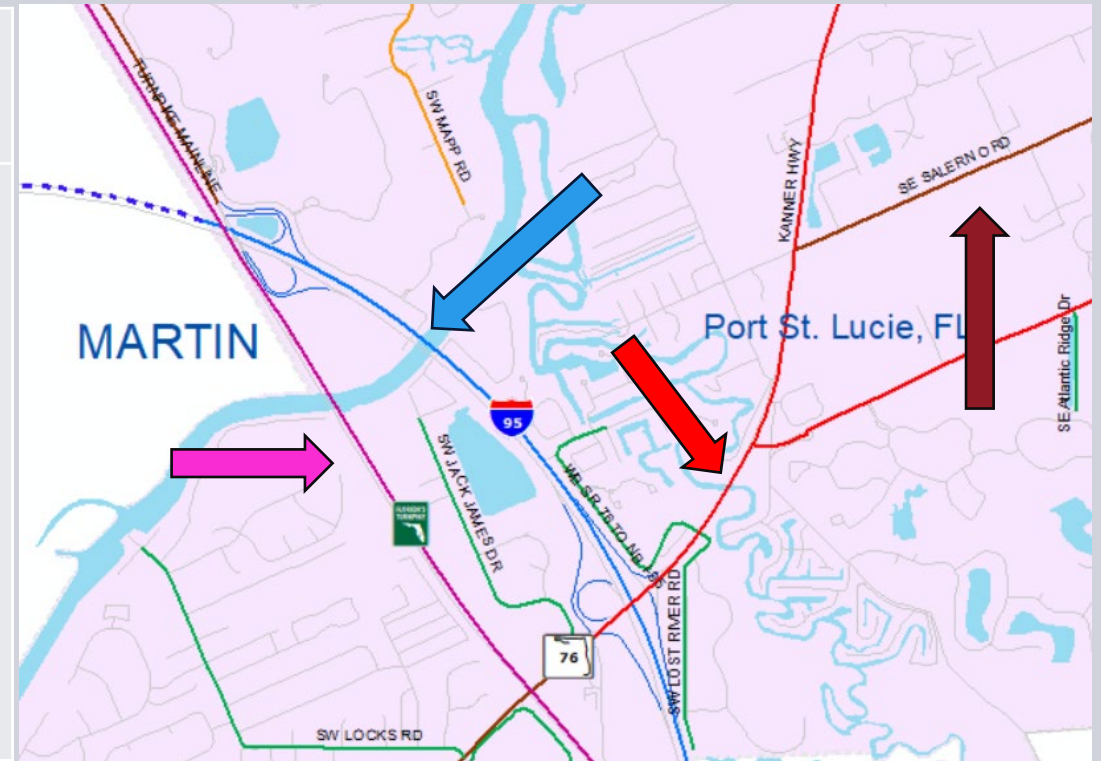




# Functional Classification – Major Roadways

## 2. Roadway Purposes that Influence the Functional Class

Functional Class	Required # of Roadway Purposes	Roadway Purpose
<b>Principal Arterial</b> (Blue, Red, Pink)	2+	<ol style="list-style-type: none"> <li>Travel to and through UAB</li> <li>Travel to and through small UA</li> <li>National defense</li> <li>Interstate and regional commerce</li> </ol>
<b>Minor Arterial</b> (Brown)	1	<ol style="list-style-type: none"> <li>Access to airports, seaports, and major rail terminals, or intermodal transfer facilities</li> <li>Access to major public facilities</li> <li>Access to minor public facilities</li> </ol>



Data Source: FDOT FCUAB Handbook

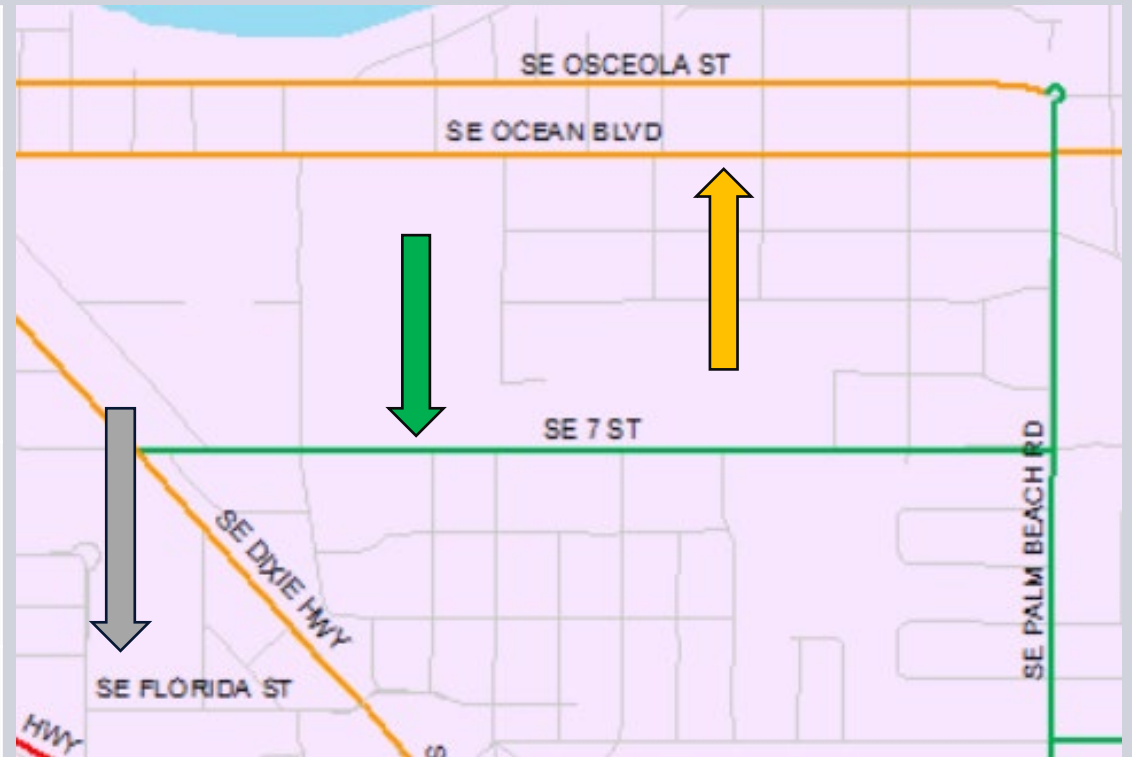




# Functional Classification – Minor Roadways

## 2. Roadway Purposes that Influence the Functional Class

Functional Class	Required # of Roadway Purposes	Roadway Purpose
Major Collector (Orange)	1+	<ol style="list-style-type: none"> <li>Interconnect of major thoroughfares</li> <li>Interconnect of minor thoroughfares</li> <li>Access to concentrated property use areas</li> </ol>
Minor Collector (Green)	1	<ol style="list-style-type: none"> <li>Access to rural diffused property &amp; lower density Urban residential and commercial/ industrial areas.</li> </ol>
Local (Gray)	1	<ol style="list-style-type: none"> <li>Local roads</li> </ol>



Data Source: FDOT FCUAB Handbook





# Functional Classification – Funclass Evaluation

Martin County	2024 Functional Classification (changed to)				Grand Total
	2014 Functional Classification (changed from)	Rural Principal Arterial-Other 04	Urban Principal Arterial-Other 14	Urban Major Collector 17	
Rural Minor Arterial 06	12.333				12.333
Urban Minor Arterial 16		0.010	1.367		1.377
Urban Major Collector 17				0.018	0.018
Urban Minor Collector 18			7.682		7.682
Urban Local 19			1.925	1.883	3.808
<b>Grand Total</b>	<b>12.333</b>	<b>0.010</b>	<b>10.974</b>	<b>1.901</b>	<b>25.218</b>



Data Source: ...







# Functional Classification - Additions

## 3. Review Local Roadways & Determine Additions

These additions are typically Minor Collectors that provide access primarily to neighborhoods with little to no driveway connections.



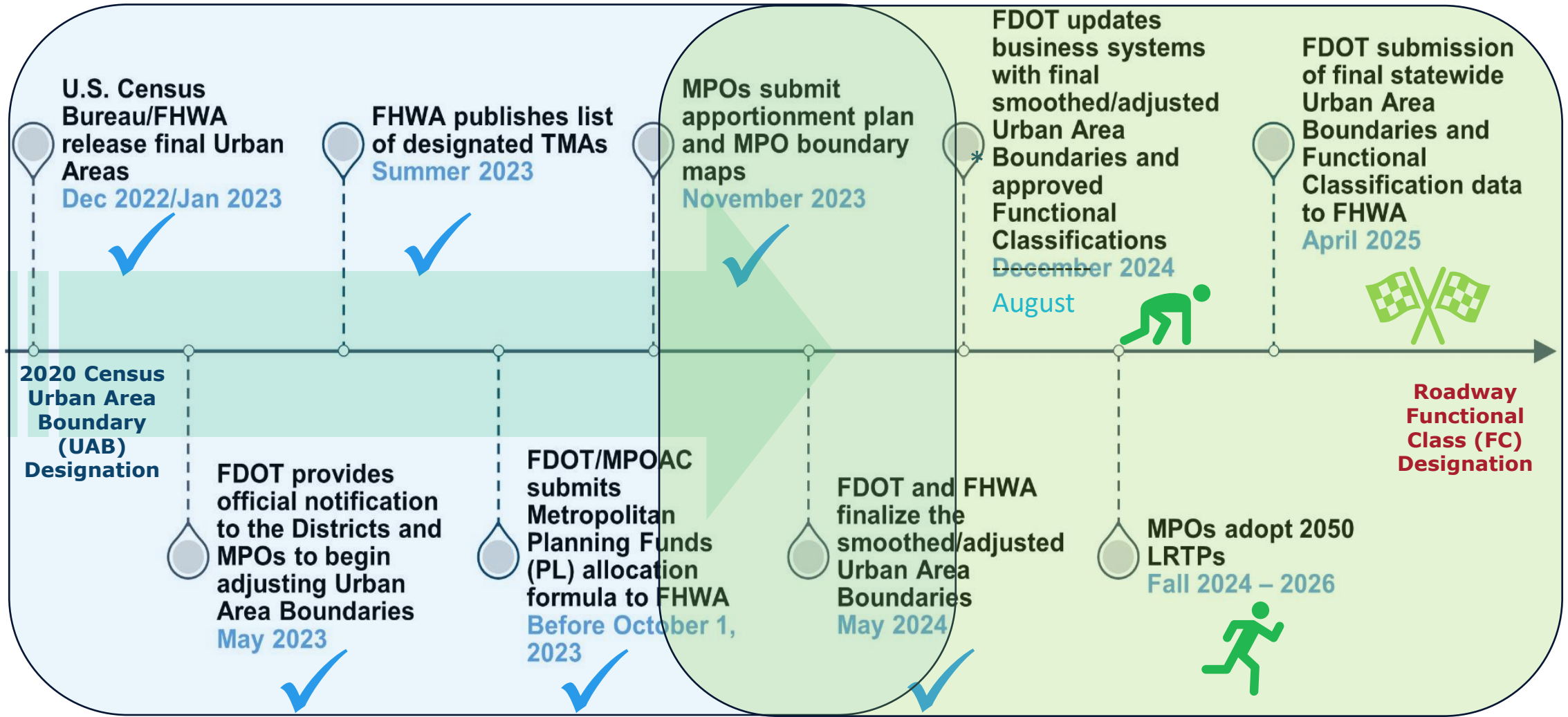
# Functional Classification – Additions Results

COUNTY	Additions					Net Change (Miles)
	Rural Major Collector 07	Rural Minor Collector 08	Urban Minor Arterial 16	Urban Major Collector 17	Urban Minor Collector 18	
Broward				4.165	32.106	36.271
Indian River	1.468	6.901	1.361	3.127	16.989	29.840
<b>Martin</b>		<b>3.550</b>		<b>2.783</b>	<b>16.471</b>	<b>22.804</b>
Palm Beach					103.213	103.213
St. Lucie					13.645	13.645
<b>Total</b>	<b>1.468</b>	<b>10.075</b>	<b>1.361</b>	<b>10.075</b>	<b>182.424</b>	<b>205.779</b>

Data Source: US Census Bureau Tiger Lines



# Functional Classification - Process Timeline



\* FHWA will consider all urban area boundaries final as of April 15, 2025 and will use the original 2020 Census boundaries for all urban areas that have not been adjusted.





# Functional Classification – Status

## Completed Activities

- Smoothed Urban Boundaries were approved by Board earlier this year
- Functional Class reviewed by FDOT, Cities, Counties, & MPO
- Draft Final Functional Class submitted to TDA/FHWA for Pre-Approval

## Pending Activities

- Incorporate changes from Central Office/FHWA
  - Roads without *broken ground* – may be postponed
- Submit maps to MPO for Signatures
- Submit maps to Central Office/FHWA for Signatures
- Update Roadway Characteristics Inventory (RCI) System





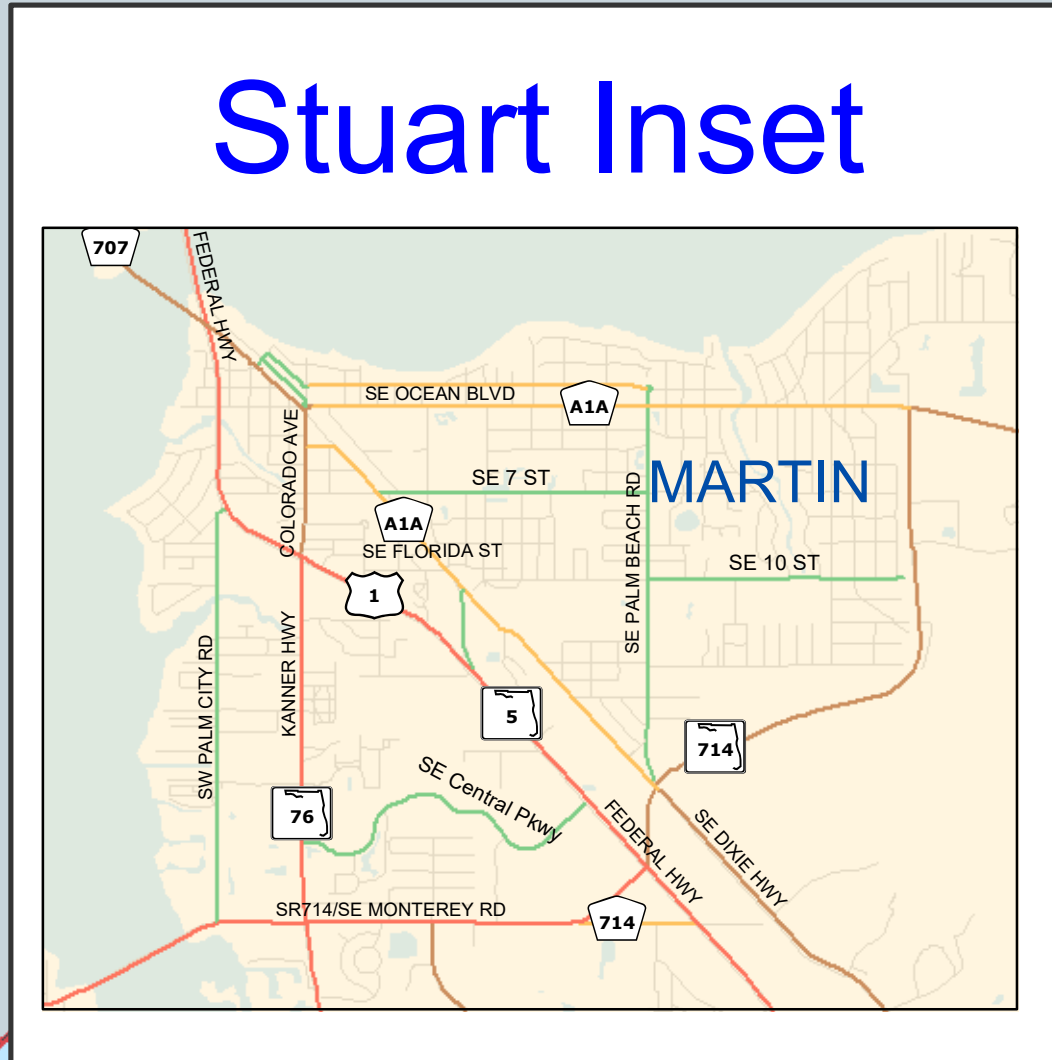
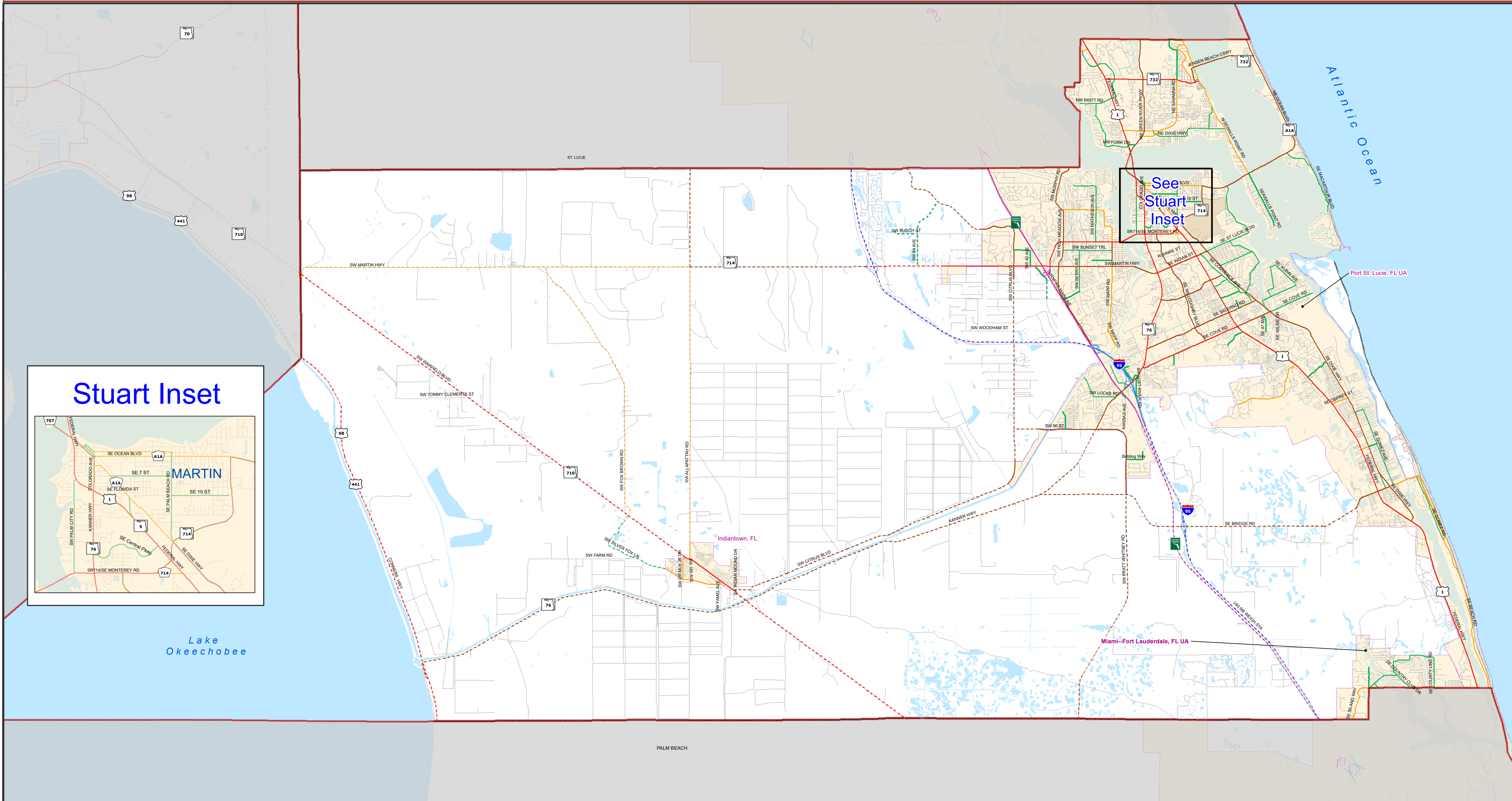


# Questions?





# 2020 FEDERAL FUNCTIONAL CLASSIFICATION AND URBAN AREA BOUNDARIES MAP



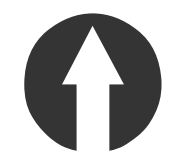
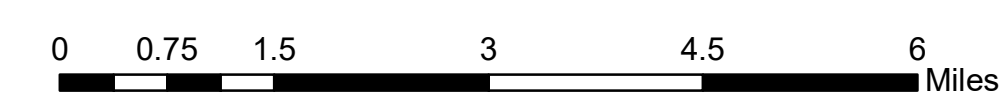
2020_D4_Smoothed Urban Area	
<b>*** Federal Functional Classifications ***</b>	
01 - Principal Arterial-Interstate RURAL	11 - Principal Arterial-Interstate URBAN
02 - Principal Arterial-Expressway RURAL	12 - Principal Arterial-Freeway and Expressway URBAN
04 - Principal Arterial-Other RURAL	14 - Principal Arterial-Other URBAN
06 - Minor Arterial RURAL	16 - Minor Arterial URBAN
07 - Major Collector RURAL	17 - Major Collector URBAN
08 - Minor Collector RURAL	18 - Minor Collector (Fed Aid) URBAN
09 - Local RURAL	19 - Local URBAN

## MARTIN COUNTY

Recommended By: **Final Draft** Approved By:

Florida Department of Transportation Date Federal Highway Administration Date

Metropolitan Planning Organization Chair Date



Prepared By:  
 FLORIDA DEPARTMENT OF TRANSPORTATION  
 in cooperation with the  
 US DEPARTMENT OF TRANSPORTATION

File Created:  
 08/24/2024





# AGENDA ITEM 6E



## TECHNICAL ADVISORY COMMITTEE (TAC) MEETING AGENDA ITEM SUMMARY

<b>MEETING DATE:</b> September 4, 2024	<b>DUE DATE:</b> August 28, 2024	<b>UPWP#:</b> 6
<b>WORDING:</b> SR-A1A/SE OCEAN BLVD ROAD SAFETY AUDIT (RSA)		
<b>REQUESTED BY:</b> MPO	<b>PREPARED BY:</b> Lucine Martens / Beth Beltran	<b>DOCUMENT(S) REQUIRING ACTION:</b> N/A

### **BACKGROUND**

FDOT District 4 has conducted a Road Safety Audit along SR-A1A (SE Ocean Blvd.) from east of Monterey Rd. to west of Evans Crary Sr. Bridge. A key to the RSA process is involving stakeholders that are outside of the study team to provide insight, knowledge, and ideas.

The Federal Highway Administration defines a Road Safety Audit as:

*...the formal safety performance examination of an existing or future road or intersection by an independent, multidisciplinary team. It qualitatively estimates and reports on potential road safety issues and identifies opportunities for improvements in safety for all road users. The FHWA works with State and local jurisdictions and Tribal Governments to integrate RSAs into the project development process for new roads and intersections, and also encourages RSAs on existing roads and intersections.*

### **ISSUES**

At the September 2024 cycle of MPO Advisory Committee meetings and MPO Policy Board meeting, FDOT staff will present the SR-A1A/SE Ocean Blvd RSA findings and recommendations.

---

### **RECOMMENDED ACTION**

Provide comments.

### **APPROVAL**

MPO

### **ATTACHMENTS**

- SR-A1A/SE Ocean Blvd RSA PowerPoint Presentation
- RSA Fact Sheet

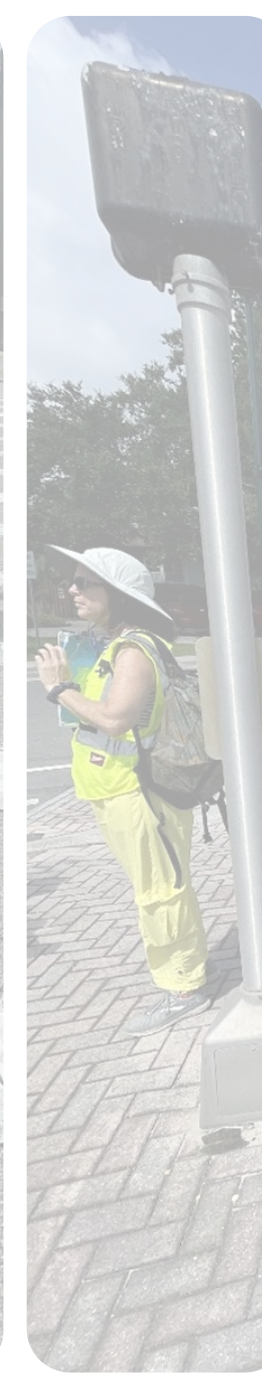
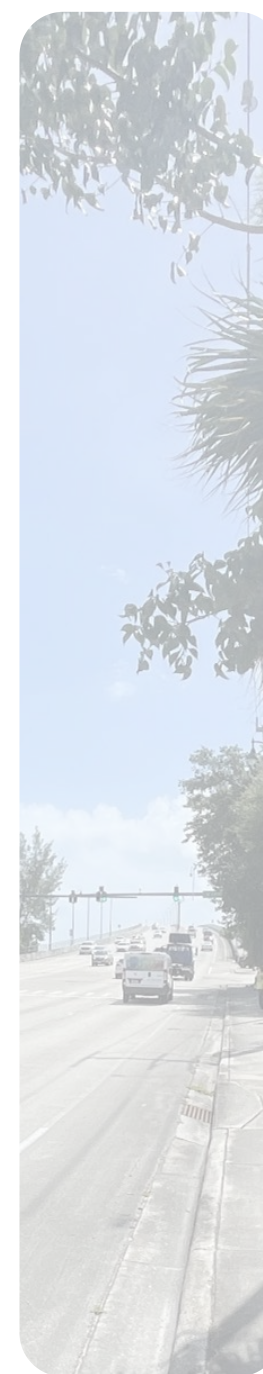
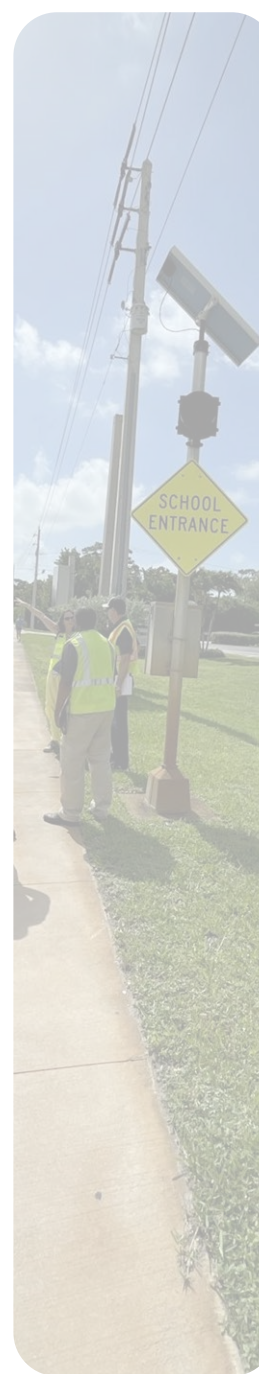
# MARTIN MPO

Metropolitan Planning Organization

## Road Safety Audit (RSA) SR-A1A from East of Monterey Rd. to St. Lucie Blvd.

### *Informational Update*

September 4<sup>th</sup> 2024



# FDOT Road Safety Audits v. FDOT Safety Studies

## Road Safety Audit

### Road Safety Audits are...

- Conducted by an independent multidisciplinary team.
- Cooperative with stakeholders including state and local jurisdictions.
- A formal examination of corridor and intersection conditions.
- Broad enough to consider the safety of all road users and facilities.
- A proactive approach to safety.

### Road Safety Audit Outcomes:

- Identification of potential road safety issues.
- Recommendations for improvements to enhance safety for all road users.
- A formal RSA report that documents findings and suggestions for mitigating identified safety concerns
- Implementation plan developed by FDOT

### Safety Studies are ...

- Conducted only by team with design and/or safety expertise.
- Data driven, focused on crash analysis and field review.
- Often resulting in recommendations of robust engineering solutions including feasibility analysis.

# What is an RSA and Who Conducts Them?

## What is a Road Safety Audit (RSA)?

A formal safety performance examination of roadway segment or intersection by an independent, multidisciplinary team.

### RSA Team



- FDOT Offices
- Law Enforcement
- Local Municipalities
- MPOs/TPAs/TPOs
- County Representatives
- Safety Champions/Residents

### Team of Experts



- Traffic Engineering and Safety
- Roadway Design
- Ped-Bike Specialist
- CEI Team (Work Zone RSAs)

- The goal of an RSA is to answer the following questions:
  - What elements of the roadway present a safety concern: to what **extent**, to what **road users**, and what **circumstances**?
  - What elements can mitigate or eliminate the identified safety concerns?
  - How can we focus on **short-term, low-cost** recommendations?

### RSA Process





# Focused Project: SR-A1A from Monterey Rd to Evans Crary Bridge

## Road Safety Audit

This location was identified based on **2021 High Crash Segments List (Signal 4)** that is prioritized based on crash rate and crash severity indices.

### Project Location



### Traffic Data on SR-A1A

Roadway ID	Segment Description	Average Daily Traffic	Posted Speed Limit
89 040 000	SR-A1A/E Ocean Blvd. - E of Monterey Rd. to St. Lucie Blvd.	26,000	35 mph

Roadway ID	Segment Length (miles)	Context Class	Functional Class
89 040 000	0.786	C3R-Suburban Residential	Minor Arterial

Roadway ID	Typical Section
89 040 000	4-lane, 2-way with bidirectional center lane with Five (5) feet wide bike lanes present on both sides of the corridor

- **Previous Studies:**

- East Ocean Blvd./SE Monterey Road Corridor Traffic Study – Conducted by the MPO, May 2014
- Treasure Coast Pedestrian Crosswalk Master Plan Phase 1 – Conducted by FDOT, July 2021

# What Did We Do?

## Road Safety Audit

### Pre-meeting

- 06/05/2024 – 8:00am
- Meet to get initial feedback from stakeholders and any major items for concern for the Field Review.

### Field Review

- 06/20/2024 – 10am-12pm
- Review conditions of roadway and provide any safety concerns for the final document.

### Field Review Debrief

- 06/27/2024 – 10am
- Meet with stakeholders with draft final document to discuss findings and recommendations

General Attendees – Martin County, MPO, RSA Team

# SR-A1A from Monterey Rd to Evans Crary Sr. Bridge Crashes 2018-2023

## Road Safety Audit

SR-A1A from E of Monterey Rd. to W of Evans Crary Sr. Bridge		Years						6-Year Total Crashes	Mean Crashes per Year	Severe Crashes	% of Total Crashes
		2018	2019	2020	2021	2022	2023				
Crash Type	Angle	0	0	0	1	2	2	5	0.8	1	4.10%
	Bicycle	0	1	0	0	2	1	4	0.7	0	3.30%
	<b>Left-Turn</b>	<b>6</b>	<b>4</b>	<b>4</b>	<b>10</b>	<b>4</b>	<b>7</b>	<b>35</b>	<b>5.8</b>	<b>1</b>	<b>28.50%</b>
	Off Road	0	0	0	1	0	0	1	0.2	1	0.80%
	Pedestrian	2	0	1	1	0	0	4	0.7	1	3.30%
	<b>Rear-End</b>	<b>12</b>	<b>11</b>	<b>7</b>	<b>10</b>	<b>9</b>	<b>3</b>	<b>52</b>	<b>8.7</b>	<b>0</b>	<b>42.20%</b>
	<b>Sideswipe</b>	<b>1</b>	<b>1</b>	<b>3</b>	<b>6</b>	<b>4</b>	<b>5</b>	<b>20</b>	<b>3.3</b>	<b>0</b>	<b>16.20%</b>
	U-Turn	1	0	0	0	0	0	1	0.2	0	0.80%
	Out of Control	0	0	1	0	0	0	1	0.2	0	0.80%
	<b>Total</b>	<b>22</b>	<b>17</b>	<b>16</b>	<b>29</b>	<b>21</b>	<b>18</b>	<b>123</b>	<b>20.6</b>	<b>4</b>	<b>100%</b>
Injury Severity	Fatal	0	0	0	1	0	0	1	0.2	-	0.80%
	Incapacitating	1	0	0	1	0	1	3	0.5	-	2.40%
	No Injury	11	12	14	19	14	12	82	13.7	-	66.70%
	Non-Incapacitating Injury	5	3	0	4	4	4	20	3.3	-	16.30%
	Possible Injury	5	2	2	4	3	1	17	2.8	-	13.80%
	<b>Total</b>	<b>22</b>	<b>17</b>	<b>16</b>	<b>29</b>	<b>21</b>	<b>18</b>	<b>123</b>	<b>20.5</b>	<b>-</b>	<b>100%</b>

### Top 3 crash types:

1. 52 Rear-Ends
2. 35 Left-Turns
3. 20 Sideswipes

### Pedestrian and Bicycle crashes:

- 4 pedestrian crashes
- 4 bicycle crashes

### 3 Incapacitating Crashes:

- Pedestrian in the crosswalk during do not walk phase.
- Left Turn involving three vehicles.
- Angle crash into a parking lot entrance

### 1 Fatal Crash:

- Off Road crash into an electrical pole

HSMV Report Number	Collision No.	Date	Crash Type	Injury Severity	Day, Time, Lighting, Road Conditions	Summary
87613883	7	5/11/2018	Pedestrian	Incapacitating	Friday, 8:50 pm Dark - Not Lighted, Dry	V1 was traveling eastbound on SE Ocean Blvd. in the left lane and was approaching the intersection for Vista pines (2600 SE Ocean Blvd). V1 had a solid green light and continued driving through the intersection hitting a pedestrian crossing in the crosswalk with the Don't Walk phase.
24292675	24	5/4/2021	Left Turn	Incapacitating	Tuesday, 5:30 pm Daylight, Dry	V2 was going eastbound on SE Ocean Blvd. while westbound V1 made left turn into its path causing V2 to hit the side of V1. As a result, V1 struck the rear of V3 as it was making right turn out of Walgreens parking lot.
24293166	29	10/8/2021	Off Road	Fatal	Friday, 2:58 pm Daylight, Dry	Vehicle was traveling eastbound on SE Ocean Blvd. in the inside lane and appeared to veer off the roadway and crashed into a concrete electrical pole.
25158958	44	2/19/2023	Angle	Incapacitating	Sunday, 4:26 pm Daylight, Dry	V2 was westbound on SE Ocean Blvd. in the outside lane of traffic. V1 attempted to make a right-hand turn out of the parking lot 2873 SE Ocean Blvd. (Abbyss Salon) onto SE Ocean Blvd. V1 failed to yield right away to V2 and pulled out onto the roadway in front of V2, causing V2 to crash into the front driver-side fender area of the vehicle.



# Field Review Observations

## Road Safety Audit

### • Maintenance of Pedestrian Facilities

- **Location:** Corridor wide, but mainly at signalized intersections
- Pedestrian Issues (multiple wheelchair users observed during field visit):
  - Poor conditions of detectable warning surfaces.
  - Foliage blocking pedestrian view/path.
  - Cracked/broken sidewalk



### • Speeding from the Evans Crary Sr. Bridge

- **Location:** Signalized intersection of SR-A1A and Port St. Lucie Blvd
- Issues on Evans Crary Sr. Bridge WB approach:
  - Steep downward grade.
  - Speed shift from 40 mph to 35 mph.
  - 14 crashes from 2018-2023.
  - Martin County and Martin MPO have mentioned this.



### • Roadway & Pavement Striping:

- **Location:** Corridor wide
- Issues:
  - RPMs missing
  - Faded crosswalk markings



# Recommendations

## Road Safety Audit

### • Maintenance of Pedestrian Facilities

- Replace broken detectable warning surfaces. (S03, S06, S08-S10)
- Coordinate with maintenance agency to trim foliage. (C07)
- Repair sidewalk sections. (C02)

### • Speeding from the Evans Crary Sr. Bridge

- Install speed limit pavement markings (S14)
- Install W3-3 and W3-4 signs with warning signs ahead of signal. (S13)
- Conduct speed study (S15)

### • Roadway & Pavement Striping:

- Replace missing RPMs (C01)
- Restripe intersection and approach markings to current FDOT standards (S01, S02, S05)



Detectable warning surface example – S03, S06, S08-S10



Speed limit pavement marking example from FHWA - S14



W3-3 "Signal Ahead" with W3-4 "Be Prepared to Stop", from the MUTCD - S13

# Findings: SR-A1A from Monterey Rd to Evans Crary Sr. Bridge

## Road Safety Audit

### Road Safety Audit Findings Summary

ID	Location Description:	Observations:	Recommendations:
C01	A1A from east of Monterey Rd. to St. Lucie Blvd.	Missing RPMs	Install RPMs as needed along corridor
C02	A1A from east of Monterey Rd. to St. Lucie Blvd.	Sidewalk broken	Fix broken sidewalk
C03	A1A from east of Monterey Rd. to St. Lucie Blvd.	Tripping hazard from brick buffer area	Fix elevation difference
C04	A1A from east of Monterey Rd. to St. Lucie Blvd.	Existing standard bicycle lanes	Upgrade to green bicycle lanes at access points
C05	A1A from east of Monterey Rd. to St. Lucie Blvd.	Missing backplates and yellow retroreflective borders	Install flexible backplates and yellow retroreflective borders
C06	A1A from east of Monterey Rd. to St. Lucie Blvd.	Heavy left turn usage	Evaluate feasibility of implementing flashing yellow arrows
C07	A1A from east of Monterey Rd. to St. Lucie Blvd.	Maintenance items	Resolve maintenance items accordingly
C08	A1A from east of Monterey Rd. to Kingswood/Ocean Cove Entrance	Ponding in bicycle lane along curb	Review drainage
C09	A1A from Ocean East Mall to St Lucie Blvd.	Deteriorated/cracked curb on approaches	Repair curbing
C10	A1A from east of Monterey Rd. to Kingswood/Ocean Cove Entrance	High level of left turn crashes and access management concerns	Conduct a feasibility study for protected left turn lanes and medians
C12	A1A from east of Monterey Rd. to Vista Pines	Mid-block crossing	For informational purpose only

### Road Safety Audit Findings Summary

ID	Location Description:	Observations:	Recommendations:
S01	A1A and Ocean East Mall	Faded intersection markings	Restripe markings
S02	A1A and Ocean East Mall	Faded crosswalk markings	Restripe crosswalk markings
S03	A1A and Ocean East Mall	Broken detectable warning surface	Replace detectable warning surface
S04	A1A from 756 feet east of Ocean East Mall to 2710 SE Ocean Blvd (The Pointe)	Clustered speed limit signs	Remove existing speed limit sign 300 feet west of Vista Pines and move or install new upstream
S05	A1A and Vista Pines	Faded crosswalk markings	Restripe crosswalk markings
S06	A1A and Vista Pines	Broken detectable warning surface	Replace detectable warning surface
S07	A1A and Vista Pines	Northbound traffic light sight distance	Evaluate feasibility of lowering the northbound signal height
S08	A1A and Vista Pines	Narrow and deteriorating detectable warning surface	Widen the curb ramp and replace the detectable warning surfaces
S09	A1A and Kingswood/Ocean Cove Entrance	Broken detectable warning surface	Replace detectable warning surface
S10	Cedar Pointe Plaza Entrance	Broken detectable warning surface	Replace detectable warning surface
S11	A1A and St. Lucie Blvd.	Missing detectable warning surface	Install detectable warning surface

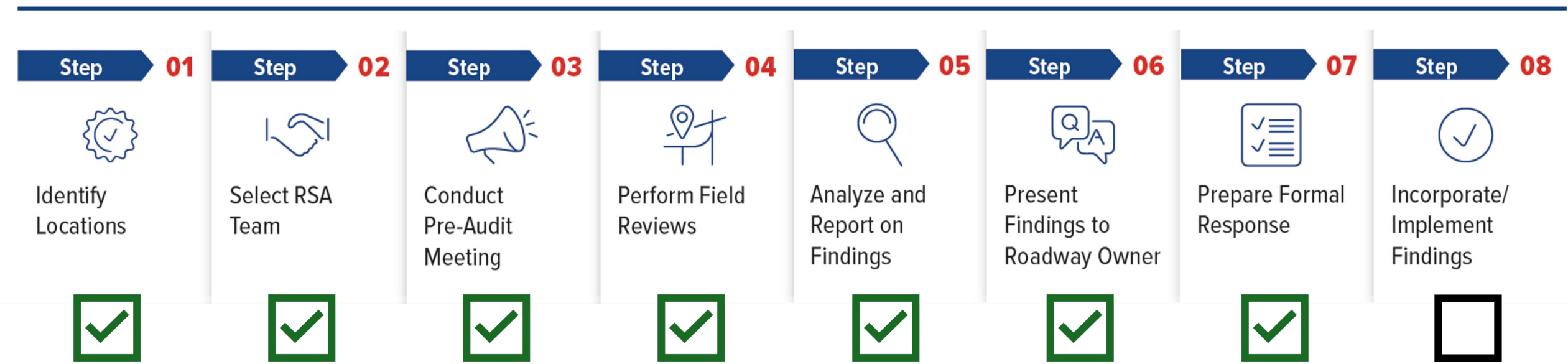
Legend: C## Corridor-wide Recommendation S## Spot Recommendation



# Next Steps: Process Driven

## Road Safety Audit

### RSA Process





## Questions – Comments

**Shelby Coke, P.E., PTOE, RSP1**  
**Coke Consulting, LLC**  
**[scoke@cokeconsultingllc.com](mailto:scoke@cokeconsultingllc.com)**  
**561-839-1537**



# Florida Department of Transportation Road Safety Audit (RSA)

## What is a Road Safety Audit (RSA)?

A formal safety performance examination of roadway segment or intersection by an independent, multidisciplinary team.

### RSA Team



- FDOT Offices
- Law Enforcement
- Local Municipalities
- MPOs/TPAs/TPOs
- County Representatives
- Safety Champions/Residents

### Team of Experts



- Traffic Engineering and Safety
- Roadway Design
- Ped-Bike Specialist
- CEI Team (Work Zone RSAs)

## RSA Process



## RSA vs Safety Study

### RSAs

- Conducted by independent and multidisciplinary team
- Receive input from stakeholders (Locals)
- Works with State and Local jurisdictions
- **Focus on short-term, low-cost recommendations, not necessarily based on crash history, but also on existing condition, best practices, input from stakeholders**
- **May recommend additional studies**
- Proactive approach to safety
- Considers all roadway users and user behavior
- Generates formal report and responses

### Safety Studies

- Safety team usually not completely independent from design team
- Typically performed by team with only design and/or safety expertise
- Data driven, focused on crash analysis and field review
- Can recommend robust engineering solutions including feasibility analysis

## Outcomes of an RSA

- Identification of potential road safety issues
- Recommendations for improvements to enhance safety for all road users
- A formal RSA report that documents findings and suggestions for mitigating identified safety concerns
- Implementation plan developed by FDOT

## Be Prepared!

Learn the Why and How of RSAs, click on the link below or scan the QR code!

**Florida LTAP Center**  
**[Road Safety Audits Training Series - Part 1](#)**



## For more information please contact:

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