

NEEDS ASSESSMENT

2050 Long Range Transportation Plan (LRTP)



Technical Memorandum #7
JUNE 2025

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Appendix -1: Key Stakeholder Interviews & Survey Analysis Findings

1. INTRODUCTION

The Technical Memorandum #7 (TM 7) discusses multimodal needs assessment to guide the development of Martin MPO's 2050 Long Range Transportation Plan (LRTP) - *Martin Moves 2050* Needs Plan with corresponding project cost estimates. This 2050 Needs Plan will serve as the foundation for prioritizing transportation investments and ultimately developing the *Martin Moves 2050* Cost Feasible Plan (CFP).

This technical memorandum is organized as described below:

Chapter 1: Introduction – explains the purpose of TM 7 and report organization.

Chapter 2: Multimodal Needs Assessment – discusses the four key components of multimodal needs assessment including data-driven analysis, identifies previous transportation studies/plans reviewed, and documents agency and stakeholder coordination as well as public input.

Chapter 3: 2050 Needs Plan – identifies multimodal projects needed in Martin County over the next 20 to 25 years to meet the goals and objectives established for *Martin Moves 2050* and accomplish the community's vision for transportation system - enhance safety, mobility and accessibility for all the users of the transportation system in healthy and sustainable manner.

Chapter 4: Next Steps – summarizes how information included in this memorandum will be used to develop the *Martin Moves 2050* CFP as the LRTP process advances.

2. MULTIMODAL NEEDS ASSESSMENT

This chapter includes the four key components of multimodal needs assessment - technical data-driven analysis, identifies previous transportation studies/plans reviewed, agency and stakeholder coordination as well as public input (**Figure 2-1**).

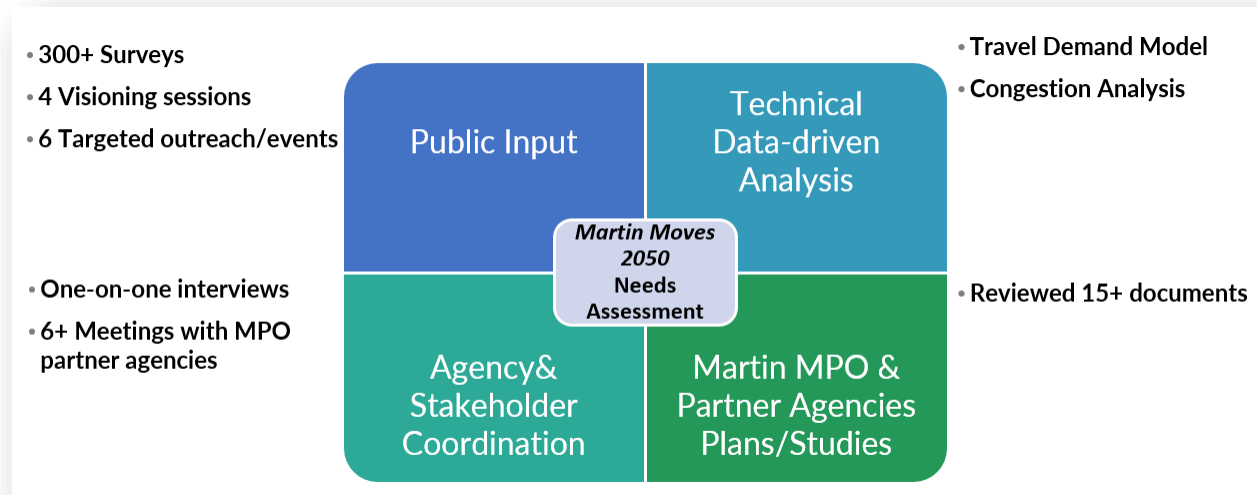


Figure 2.1. Martin Moves 2050 Needs Assessment Components

As shown in **Figure 2.1**, the multimodal needs assessment conducted for *Martin Moves 2050* was a comprehensive effort to identify improvements and projects needed in the County to enhance mobility, accessibility, and safety for all the users of the transportation system. The community's vision, goals and objectives developed for the *Martin Moves 2050* served as the foundation for the needs assessment. The four major components – technical data-driven analysis, previous transportation plan/studies review, agency and stakeholder coordination as well as public input were used to identify transportation improvements and projects for different modes and categories. It should be noted that each major component has several sub-components, which are described below.

2.1.Data-Driven Analysis

The data driven analysis is the technical component of the *Matin Moves 2050* needs assessment, which comprises travel demand forecasting using the Treasure Coast Regional Planning Model (TCRPM) 6.0 and congested network analysis using “big data” from the Regional Integrated Transportation Information System (RITIS)¹.

2.1.1.Treasure Coast Regional Planning Model (TCRPM), Version 6.0

As documented in Technical Memorandum #4 – Travel Demand Modeling, the TCRPM 6.0 includes base year 2020 and future year 2050 socioeconomic, demographic, and land use data. This data is used to forecast future travel demand, trip making characteristics and travel patterns in the Treasure Coast Region. A detailed discussion of these demand parameters is available in TM# 4. TCRPM 6.0 includes existing plus committed (E+C) highway and transit network. Existing network comprises roadways/highway and public transportation facilities that are in use today

¹ RITIS is an automated data sharing, dissemination, and archiving system that includes many performance measures and visual analytics tools, used by many transportation agencies across the nation. RITIS integrates data from various sources including INRIX, Inc., HERE Technologies, and National Performance Management Research Data Set (NPMRDS).

while the committed network includes projects in the Martin MPO's Transportation Improvement Program (TIP) funded for construction through Fiscal Year (FY) 2030. In other words, transportation improvements that would be constructed or implemented by 2030 are considered as "committed." The transportation network in the TCRPM defines the supply side of the regional travel demand model.

To evaluate future year highway and transit needs, the 2050 travel demand forecast was developed by loading peak hour and daily traffic volumes generated from 2050 socioeconomic, demographic, and land use data on the E+C network. This process helped identify stresses in the transportation network measured in terms of volume to capacity (v/c) ratio. From a technical data-driven analysis standpoint, if the demand (traffic volume) exceeded supply (roadway capacity) for a given roadway corridor, the v/c ratio was higher than 1.0 and 1.1 for daily volumes and peak hour volumes, respectively, then the travel corridor was considered as congested or overcapacity. Twenty-nine (29) roadway segments were identified as overcapacity after adjusting for proximity, segment length and laneage. **Figure 2.1.1-1** and **Table 2.1.1-1** shows v/c ratio for the Year 2050 in Martin County if no additional transportation improvements beyond those included in the E+C are implemented.

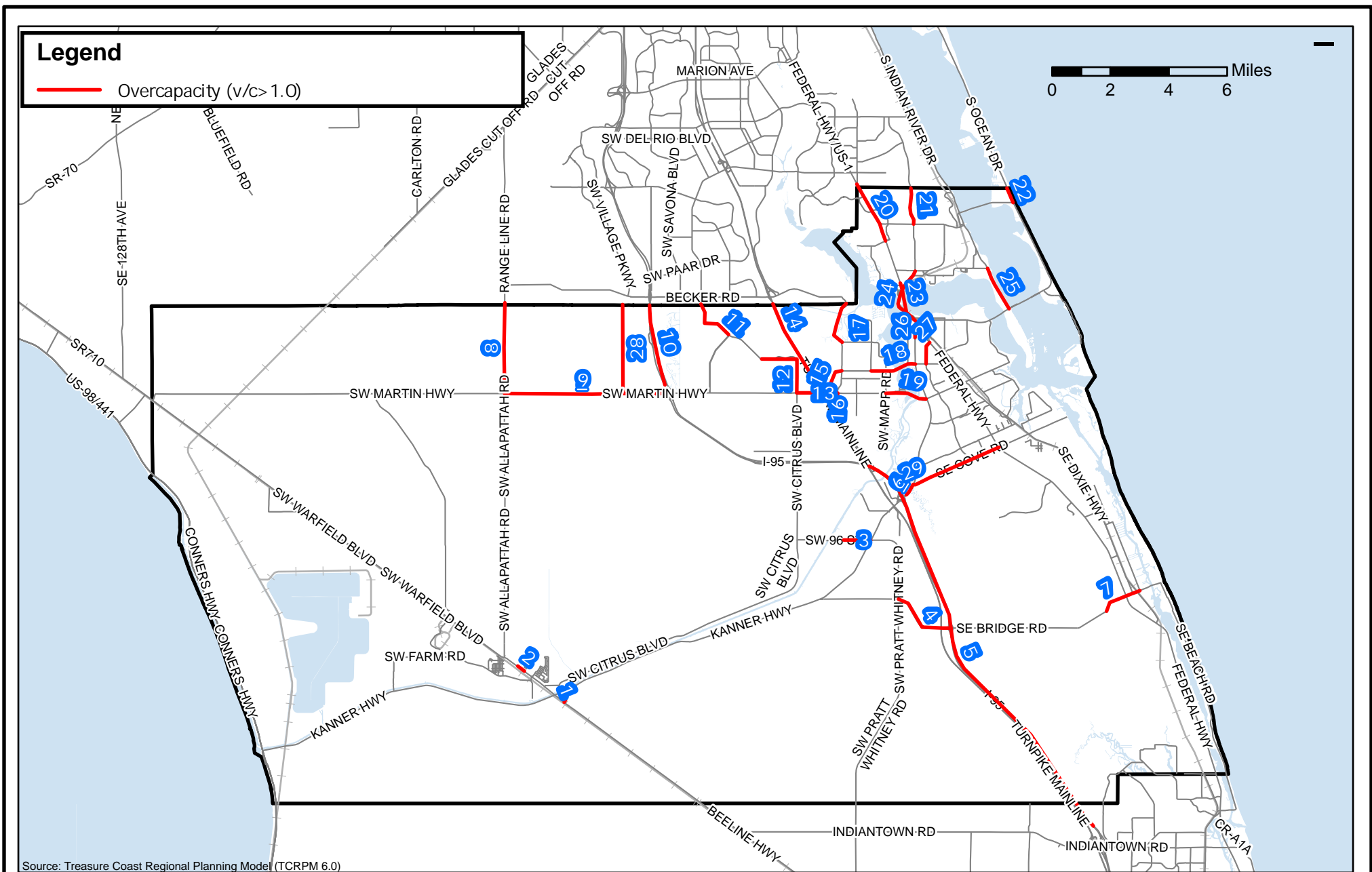


Table 2.1.1-1. Volume to Capacity Ratio, Year 2050 Land Use with E+C Network

Roadway Segment No.	Street Name	From	To	Roadway Segment Length (in miles)
1	SW Indiantown Avenue	SR-710/SW Warfield Boulevard	SR-76/SW Kanner Highway	0.39
2	SR-710/SW Warfield Boulevard	SW Monroe Avenue	Indianwood Drive	0.29
3	SW 96th Street/CR-76A	SW Pennsylvania Avenue	SR-76/SW Kanner Highway	0.93
4	SW Bridge Road/CR-708	Pratt Whitney Road/CR-711	I-95	2.03
5	I-95	Palm Beach / Martin County Line	High Meadow Avenue	14.9
6	SR-76/SW Kanner Highway	NB Off Ramp Terminal	SE Cove Road	0.41
7	SE Bridge Road/CR-708	SE Flora Avenue	SE Gomez Road	1.43
8	SW Allapattah Road/CR-609	SR-714 / SW Martin Highway	Martin / St. Lucie County Line	3.11
9	SR-714/SW Martin Highway	SW Allapattah Road /CR-609	I-95	5.36
10	I-95	SR-714 / SW Martin Highway	Martin / St. Lucie County Line	2.79
11	SW Newfield Parkway	SW Prairie Avenue	Martin / St. Lucie County Line	1.13
12	SW Newfield Parkway	SR-714 / SW Martin Highway	SW Boat Ramp Avenue	4.30
13	SR-714/SW Martin Highway	SW Newfield Parkway / Citrus Boulevard	SW High Meadow Avenue / CR-713	1.40
14	Florida's Turnpike	SR-714 / SW Martin Highway	Martin / St. Lucie County Line	3.56
15	SR-714/SW Martin Downs Boulevard	SR-714 / SW Martin Highway	SW High Meadow Avenue / CR-713	0.98
16	SW High Meadow Avenue/CR-713	SR-714 / SW Martin Highway	SW Golden Bear Way	0.69
17	SW Murphy Road	SW High Meadow Avenue / CR-713	SE Becker Road	1.56
18	SR-714/SW Martin Downs Blvd/SW Monterey Road	SW Matheson Avenue	SR-76 / S Kanner Highway	1.57
19	SW Martin Highway/ SR-714	SW Mapp Road	SR-76 / S Kanner Highway	1.41
20	SR-5/US-1/NW Federal Highway	NW Britt Road	SE Lennard Road	2.19
21	NW Green River Parkway	SR-732 / NW Jensen Beach Boulevard	Martin / St. Lucie County Line	1.26
22	NE Ocean Boulevard/ SR-A1A	SR-714 / NE Causeway Boulevard	Martin / St. Lucie County Line	0.54
23	SR-5/US 1/NW Federal Highway	SW Ocean Boulevard	NW Fork Road	1.29
24	NW Dixie Hwy/S Dixie Hwy	SW Ocean Boulevard	NE Baker Road	2.14
25	N Sewall's Point Road	SE Ocean Boulevard	NE Palmer Street	1.57
26	SR-76/S Kanner Highway	SE Lonita Street	SR-5 / US-1 / NW Federal Highway	0.35
27	SE Willoughby Boulevard	US-1 / Federal Highway	SR-714 / Monterey Road	0.84
28	Village Parkway Extension	SR-714 / Martin Highway	St. Lucie / Martin County Line	3.00
29	SE Cove Road	SR-76 / Kanner Highway	US-1 / Federal Highway	3.21

Source: Derived from TCRPM 6.0

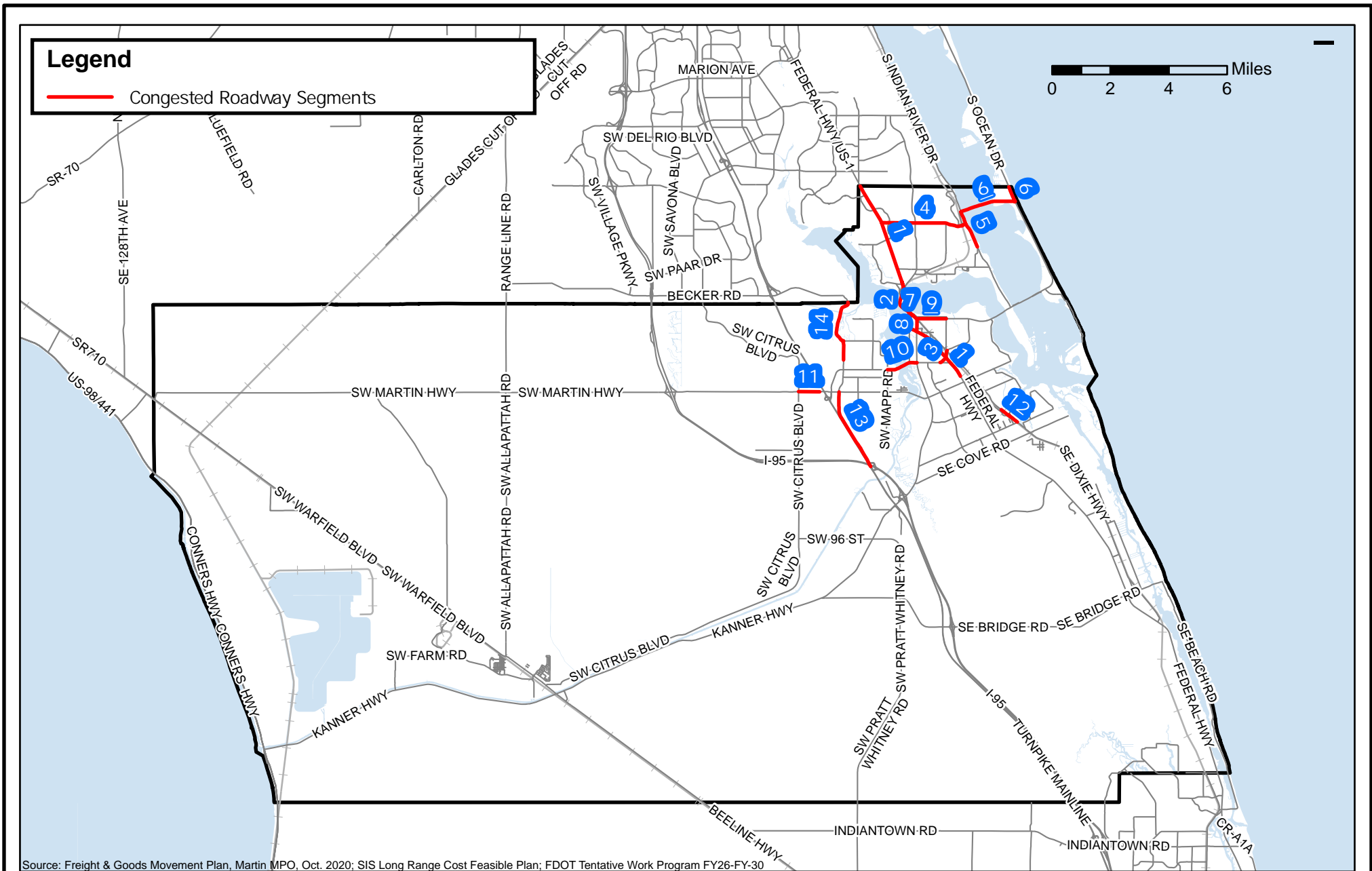
Based on further assessment to identify overlapping Strategic Intermodal System (SIS) projects, right-of-way availability and input received from the Project Steering Committee (PSC), MPO Advisory Committees and MPO Policy Board, the 29 overcapacity roadway segments included in **Table 2.1.1-1** were narrowed down to 11 corridors for capacity improvements and one (1) new roadway². The rationale for not considering some of the congested corridors for capacity improvements included several factors, such as policy constraints, cost prohibitive, limited right-of-way availability as well as deploying TSM&O strategies to address mobility issues. **Section 3.1** includes detailed notes on specific corridors and rationale for removing them from further consideration for capacity improvements. Further, the PSC identified additional needs on previous priorities of the MPO Policy Board, such as the extension of SE Willoughby Boulevard from SR-714/SE Monterey Road to SR-5/US-1/SE Federal Highway and the extension of SW Village Parkway from CR-714/SW Martin Highway to the Martin/St. Lucie County Line and widening SR-714/SW Martin Highway from I-95 to SW 84th Avenue to divert traffic from Florida's Turnpike and CR-713/SW High Meadow Avenue to I-95.

2.1.2. Congested Network Analysis

An integral part of the Congestion Management Process (CMP) Update is to define the CMP network and conduct network analysis to identify congested corridors. Technical Memorandum #5 – CMP Update provides an explanation of the rationale used to define the CPM network, key data sources and methodology used to identify congested roadway segments in Martin County. It should be noted that the updated FDOT's Transportation Systems and Operations Management (TSM&O) Master Plan was not available for reference as of early June 2025.

Figure 2.1.2-1 shows congested corridors based on a combination of metrics, such as LOS 'E' or 'F' per Martin County's Level of Service (LOS) 2023 Report, Travel Time Index (TTI) of 1.25 and Planning Time Index (PTI) of 1.30 – a measure of reliability using 2023 “big data” sourced from RITIS as well as TCRPM 6.0 outputs. It should be noted that Martin Highway between Citrus Boulevard and Florida's Turnpike (CM-11) shows up as congested based on year 2023 data before the completion of Martin Highway improvements.

² Section 3.1 Roadway/Highway includes a map showing capacity projects and new roadway corridors. It should be noted that Roadway Segment No. 27 and 28 are new facilities.



As shown in **Table 2.1.2-1**, fourteen congested roadway segments along the following facilities were identified.

Table 2.1.2-1. Congested Roadway Network, CMP Update

Roadway Segment No.	Street Name	From	To	Segment Length (in miles)
1	SR-5/US-1/Federal Highway	SE Indian Street	Martin/St. Lucie County Line	7.85
2	Dixie Highway	S. Colorado Avenue	NW Palm Street	1.33
3	SR-714/SE Monterey Road	SE Monterey Road (Ext)	SE Dixie Highway/CR-A1A	0.52
4	SR-732/Jensen Beach Boulevard	SR-5/US-1/Federal Highway	Indian River Drive	2.94
5	SR-732/NE Causeway Blvd	Indian River Drive	SR-A1A/NE Ocean Boulevard	2.47
6	Indian River Drive	SR-732/Jensen Beach Boulevard	NE Dixie Highway	1.33
7	SW Joan Jefferson Way	SR-5/US-1/Federal Highway	SW Dixie Highway	0.13
8	S Colorado Avenue	SR-5/US-1/Federal Highway	SE Ocean Boulevard	0.45
9	SE Ocean Boulevard	S Colorado Avenue	SE Palm Beach Road	0.99
10	SR-714/Martin Highway/ SW Martin Downs Boulevard	SW Mapp Road	S Kanner Highway/SR-76	1.07
11	SR-714/Martin Highway	SW Citrus Boulevard	Florida's Turnpike	
12	SE Dixie Highway/CR-A1A	SE Salerno Road	SE St. Lucie Boulevard	0.71
13	CR-713/High Meadow Avenue	I-95	CR-714/Martin Highway	2.85
14	SW Murphy Road	SR-714/Martin Highway	Martin/St. Lucie County Line	2.25

2.2. Relevant Plans and Studies

To ensure consistency with existing transportation plans/studies, the project team reviewed more than 15 plans and/or studies prepared by the Martin MPO and its partner agencies. The plans/studies reviewed by the project team are listed below.

- Turnpike Project List, January 2025
- Strategic Intermodal System (SIS) Policy Plan, April 2024
- Martin County Transit Development Plan (TDP), Major Update FY25-FY34, May 2024
- Transportation Improvement Program, FY25-FY29, Martin MPO, July 2024
- Adopted FDOT Five-Year Work Program, FY25-FY29
- FDOT Tentative Five-Year Work Program, FY26-FY30
- FDOT Resiliency Action Plan
- Martin County SS4A Action Plan
- Martin County Innovation Hub Recommendations Report, Martin County, 2023

- Hobe Sound North Corridor Shared-Use Nonmotorized (SUN) Trail Feasibility Study, Martin MPO, September 2023
- Witham Airport Master Plan, August 2023
- Martin County Transit (Marty) Efficiency Study, Martin MPO, August 2023
- Vision Zero Plan, Martin MPO, June 2022
- Transportation Network Resiliency Study, Martin MPO, December 2022
- Florida Strategic Highway Safety Plan, FDOT, March 2021
- Martin County Freight and Goods Movement Study, October 2020
- Martin MPO 2045 Long Range Transportation Plan (LRTP), October 2020
- Treasure Coast 2045 Regional Long Range Transportation Plan (RLRTP)
- City of Stuart Tram Business Plan, Martin MPO, Spring 2019
- Bicycle, Pedestrian and Trails Master Plan, Martin MPO, December 2017
- FEC Railroad Grade Separation Feasibility Study, Martin MPO, August 2017
- Bicycle and Pedestrian Safety Action Plan, Martin County, Martin MPO, May 2016
- Martin and St. Lucie Regional Waterways Plan, Martin MPO December 2014

Several multimodal projects that were valid in the current context as well relevant in the future were included in the *Martin Moves 2050* Needs Plan. It should be noted that FDOT's TSM&O Master Plan latest update was not available at the time of this needs assessment.

2.3.Agency and Stakeholder Coordination

As part of agency and stakeholder coordination the project team conducted one-on-one interviews with elected officials, presented 2050 LRTP information and solicited input from various groups as well as gathered input from the PSC comprising of representatives from FDOT, Martin County and municipalities. The following meetings were conducted through April 2025.

- Key stakeholder interviews, January-May 2025
- Project Steering Committee meetings, September and December 2024, May 2025
- Freight Transportation Advisory Committee (FTAC), November 2024
- MPO Advisory Committee & Board meetings, October & December 2024, May 2025

2.4.Public Involvement

The Martin MPO undertook extensive public involvement efforts for *Martin Moves 2050* including conducting four visioning sessions in an open house format from mid November 2024 to late February 2025 throughout the County as well as administering online and in-person surveys at various targeted outreach events to solicit input on transportation issues and solutions. Below is a list of various public meetings conducted as of May 2025.

- Visioning Sessions
 - Stuart City Hall
121 W. Flagler Ave, Stuart, FL 34994
November 19, 2024 (Tuesday)
 - Peter & Julie Cummings Library
2551 SW Matheson Ave, Palm City, Florida 34990
January 16, 2025 (Thursday)
 - Elisabeth Lahti Library
15200 E. Thelma Water Ave, Indiantown, Florida 34956
February 18, 2025 (Tuesday)
 - Hobe Sound Civic Center
8980 SE Olympus Street, Hobe Sound, Florida, 33455
February 24, 2025 (Monday)

- Targeted outreach/events
 - FDOT/Martin MPO Pedestrian Outreach/LRTP Survey, December 10, 2024
 - Jensen Beach Chamber of Commerce Luncheon, December 12, 2024
 - 2050 LRTP Tabling Event, Martin County Administrative Center, February 11, 2025
 - Martin CARES, January 16, 2025 & February 27, 2025
 - Jammin Jensen, February 20, 2025

A total of 320 complete surveys were received. **Appendix-1** provides a summary of analysis findings from one-on-one stakeholder interviews and surveys received.

3. 2050 Needs Plan

This chapter identifies multimodal projects needed in Martin County over the next 20 to 25 years to meet the goals and objectives established for *Martin Moves 2050* and accomplish the community's vision for transportation system - enhance safety, mobility and accessibility for all the users of the transportation system in a healthy and sustainable manner. A summary description of the *Martin Moves 2050* Needs Plan by mode and/or categories along with corresponding figures and tables follows. The unique project identification numbers on various figures cross reference the itemized list of improvements in the corresponding table.

3.1.Roadway/Highway

Figure 3.1-1 and **Table 3.1-1** shows roadway/highway needs. Projects include funded and programmed³ projects included in the Martin MPO's FY26-FY30 Transportation Improvement Program (TIP), several capacity expansion projects and two new road projects as summarized below. It should be noted that Village Parkway Extension is a private developer funded transportation improvement.

Funded Projects, Martin MPO TIP FY26-FY30

- SR-710/SW Warfield Boulevard at Martin Highway/CR-714 Realignment
- SR-710/SW Warfield Boulevard widening from W of SE 126th Blvd to Martin/Okeechobee County Line
- SR-710/SW Warfield Boulevard from W of SE 126th Boulevard to Martin/Okeechobee County Line new intersection
- SR-710/SW Warfield Boulevard widening from CR-609/SW Allapattah Road to SW Van Buren Avenue

Programmed Projects, Martin MPO TIP FY26-FY30

- High Meadow Avenue widening (Preliminary Engineering and ROW phases)
- Willoughby Boulevard Extension PD&E Study (Preliminary Engineering and Design phases)
- & Cove Road widening PD&E Study (Preliminary Engineering, Design and ROW phases)

Eleven (11) Capacity Expansion Projects

- 10 corridors, 2L to 4L
- One (1) corridor, 4L to 6L

Two New Road Projects

- Willoughby Boulevard (New 2L Road)
- Village Parkway Extension (New 4L Road)

It should be noted that Martin MPO Joint Citizen Advisory Committee (CAC) and Bicycle/Pedestrian Advisory Committee (BPAC) during the May 2025 meeting emphasized the need to conduct a comprehensive assessment of environmental resources for all the roadway improvements included in the *Martin Moves 2050* LRTP and identify appropriate mitigation measures as projects advance from planning to project development/engineering to right-of-way acquisition to construction and operations phases.

³ Funded projects are those improvements for which construction funds are available per the MPO's FY26-FY30 TIP, while programmed projects have preliminary engineering and/or right-of-way phases funded. Programmed projects do not have construction phase funds available in the MPO's FY26-FY30 TIP.

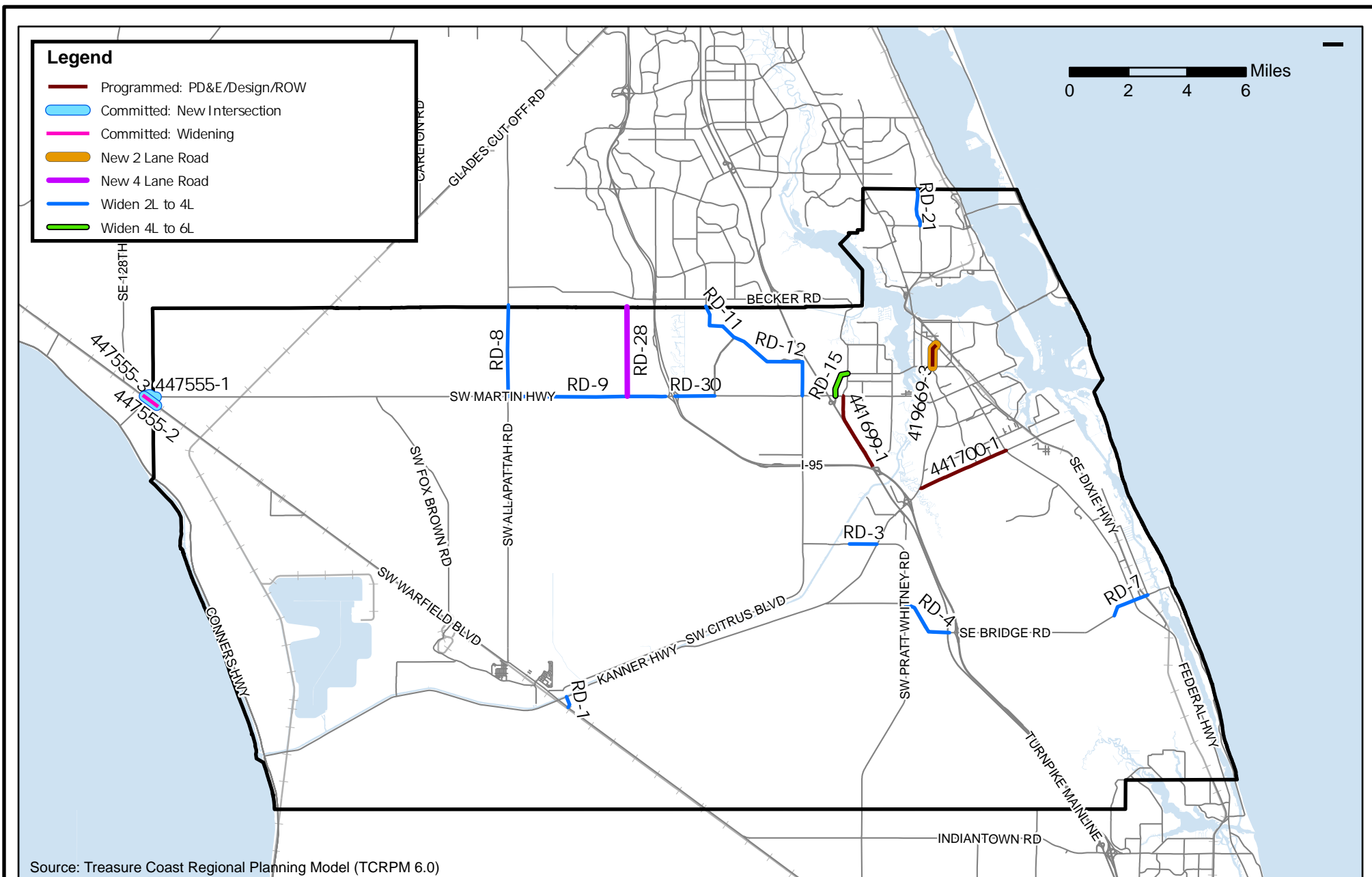


Table 3.1-1. Roadway/Highway Improvements

MPO Project ID Number	Street Name	From	To	Project Description	Length (in miles)	Source	Improvement Type
419669-3	Willoughby Boulevard	Monterey Road (SR-714)	Federal Highway (US-1/SR-5)	PD&E/EMO Study	0.84	Draft Tentative Work Program, FDOT, Nov. 2024	PD&E Study
441700-1	Cove Road	Kanner Highway (SR-76)	US-1/SR-5	PD&E/EMO Study	3.20	Draft Tentative Work Program, FDOT, Nov. 2024	PD&E Study
441699-1	High Meadow Avenue (CR-713)	I-95 (SR-9)	Martin Highway (SR-714)	Add Lanes and Reconstruct	2.64	Draft Tentative Work Program, FDOT, Nov. 2024	Widening
447555-1	SR-710/SW Warfield Boulevard	at CR-714/Martin Highway	-	Realignment of SW Martin Highway/CR-714 to Intersection with SE 126th Boulevard and SR-710	-	Draft Tentative Work Program, FDOT, Nov. 2024	Realignment
447555-2	SR-710/SW Warfield Boulevard	W of SE 126th Boulevard	Martin/Okeechobee County Line	New Intersection	-	Draft Tentative Work Program, FDOT, Nov. 2024	New Intersection
447555-3	SR-710/SW Warfield Boulevard	W of SE 126th Boulevard	Martin/Okeechobee County Line	Add Lanes and Reconstruct	-	Draft Tentative Work Program, FDOT, Nov. 2024	Widening
RD-1	SW Indiantown Avenue	SR-710/SW Warfield Boulevard	SR-76/SW Kanner Highway	2L to 4L	0.39	TCRPM 6.0 Needs Assessment	Widening
RD-3	SW 96th Street	SW Pennsylvania Avenue	SR-76/SW Kanner Highway	2L to 4L	0.93	TCRPM 6.0 Needs Assessment	Widening
RD-4	SW Bridge Road	Pratt Whitney Road	I-95	2L to 4L	2.03	TCRPM 6.0 Needs Assessment	Widening
RD-7	SE Bridge Road/CR-708	SE Flora Avenue	SE Gomez Road	2L to 4L	1.43	TCRPM 6.0 Needs Assessment	Widening
RD-8	SW Allapattah Road/CR-609	CR-714/SW Martin Highway	Martin/St. Lucie County Line	2L to 4L	3.11	TCRPM 6.0 Needs Assessment	Widening
RD-9	CR-714/SW Martin Highway	SW Allapattah Road/CR-609	I-95	2L to 4L	5.36	TCRPM 6.0 Needs Assessment	Widening
RD-11	SW Newfield Parkway	West Farm Road	SW Becker Road	2L to 4L	1.13	TCRPM 6.0 Needs Assessment	Widening
RD-12	SW Newfield Parkway	SW Prairie Ave	SR-714/SW Martin Highway	2L to 4L	4.30	TCRPM 6.0 Needs Assessment	Widening
RD-15	SW Martin Downs Boulevard	SR-714/SW Martin Highway	SW High Meadow Avenue	4L to 6L	0.98	TCRPM 6.0 Needs Assessment	Widening
RD-21	NW Green River Parkway	NW Jensen Boulevard	Martin/St. Lucie County Line	2L to 4L	1.26	TCRPM 6.0 Needs Assessment	Widening
RD-27	Willoughby Boulevard Extension	SR-714/Monterey Road	SR-5/US-1/Federal Highway	New 2 Lane Road	0.84	Martin in Motion 2045 LRTP	New 2L Road
RD-28	Village Parkway Extension	SR-714/Martin Highway	Martin/St. Lucie County Line	New 4 Lane Road	3.00	Martin in Motion 2045 LRTP	New 4L Road
RD-30	SR-714/SW Martin Highway	I-95 (SR-9)	SW 84th Avenue	2L to 4L	1.35	Project Steering Committee input	Widening
441700-1	Cove Road	Kanner Highway (SR-76)	US-1/SR-5	2L to 4L + Shared Use Path	3.20	TIP	Widening
441699-1	High Meadow Avenue (CR-713)	I-95 (SR-9)	Martin Highway (SR-714)	Add Lanes and Reconstruct	2.64	TIP	Widening

Notes

Project included in FDOT Five Year Tentative Work Program FY26-FY30, Nov. 2024

* PDC - Present Day Cost; ** YOE - Year of Expenditure

Roadway segments #2, #16, and #29 overlap with committed projects.

Roadway segments #5, #10, and #14 overlap with SIS projects included in SIS 2035-2050 Long Range Cost Feasible Plan, April 2024.

Roadway segment #13 was recently widened and are policy constrained. Roadway segment #6 was widened.

Roadway segments #18 and #19 constrained" due to limited right-of-way availability and/or potential capital costs associated with bridge widening.

Roadway segments #17, #20, #23, and #24 is included in the TSM&O improvements list.

Roadway segment #22 and #25 is constrained due to limited right-of-way availability. It is included in the "infrastructure hardening/resiliency " projects list for Sea Level Rise (SLR) adaptation improvements.

Roadway segment #26 was a complete streets project, which included road diet and is policy constrained.

Roadway segment #28 is a developer funded project.

Added RD-30 based on input received from Project Steering Committee. This capacity project avoids creating a bottleneck resulting from roadway widening projects along SR-714/Martin Highway to the east (RD-13) and to the west (RD-9).

3.2.Transit

Per *Florida Rule F.A.C. Rule 14-73.001* and *Federal Regulation: 23 CRF 450.324*, the transit improvements identified in the 2050 Needs Plan are consistent with Martin County's *Transit Development Plan, Major Update FY25-FY34, May 2024, City of Stuart Tram Business Plan, Martin MPO, Spring 2019, and Treasure Coast 2045 Regional Long Range Transportation Plan (RLRTP)*. The following transit service and capital improvements are included in the 2050 Needs Plan.

Transit Service & Operations

- Maintain existing fixed route & paratransit service plus downtown tram service
- Restructure routes 2, 3, 4 and 20X
- New microtransit service with 5 new TNC zones
- New fixed route service
 - Kanner Highway
 - Jensen Beach Trolley
- Five regional transit projects

Capital & Infrastructure Improvements

- Fleet replacement
- Customer facility, bus stop and ADA upgrades
- 40 new bus stops
- Equipment and software replacement
- Brightline station
- Intermodal hub

Others

- 10+ studies/plans, Marketing campaign

Figure 3.2-1 and **Table 3.2-1** show Marty's existing fixed routes, service expansion (new routes), microtransit service areas or Transportation Network Company (TNC) zones, regional transit routes as well as the Downtown Stuart Tram routes.

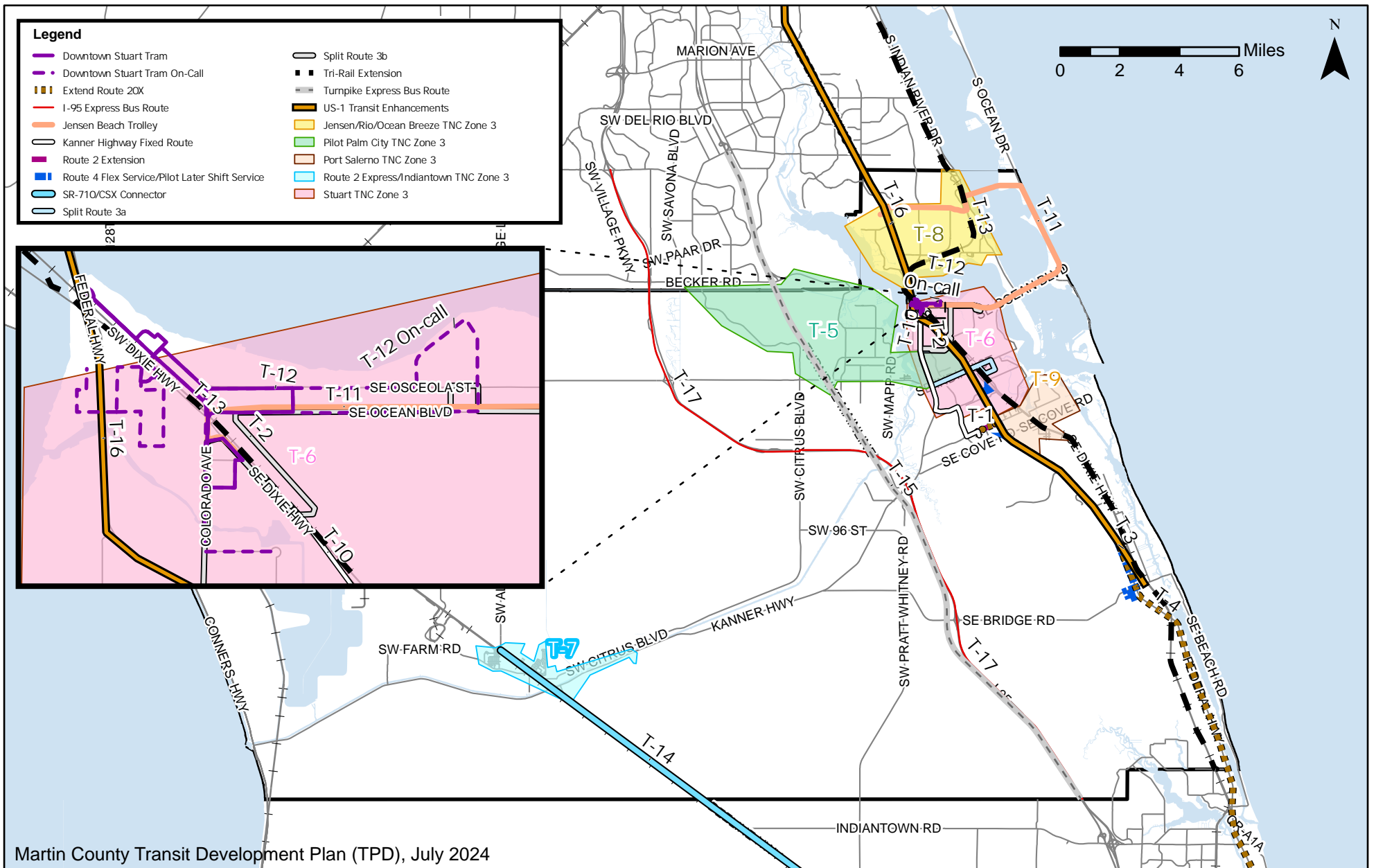


Table 3.2-1. Transit Improvements

MPO Project ID Number	Project Name	Street Name/Geography	Project Description	Improvement Type/Category	Comments
n/a	Fixed Route ¹	Systemwide	Maintain existing fixed route service	Fixed route operations	Includes reallocation of resources for route restructuring. Marty Transit Development Plan, Major Update FY 2025-2034.
T-1	Extend Route 2	Route 2	Extend route terminus to Walmart in Stuart	Route restructuring	Provides desired stop for Indiantown residents and creates transfer opportunity to Route 1 and Split Route 3.
T-2	Split Route 3	Route 3	Split route to North and South loops and add new bus stops. North Stuart Circulator (35-minute headways) and South Stuart Circulator (40-minute headways).	Route restructuring	Increases coverage to shopping, community and medical destinations.
T-3	Route 4 Flex Service/Pilot Later Shift Service	Route 4	Relocate terminus to Banner Lake Community Center and serve overlapping Route 1 stops (80-minute headways). Implement later service with Pilot TNC service from 5:30 pm to 8:00 pm such as through taxi partnership.	Route restructuring	As the demand for the increased service span grows, implementing could be a cost-effective solution.
T-4	Extend Route 20X	Route 20X	Extend terminus to Tri-Rail Mangonia Park Station (80-minute headways).	Route restructuring	Extension for VA Medical Center to Tri-Rail station increases regional connectivity.
n/a	Marketing Campaign	Countywide	Market development, communications and promotions. Leverage SFCS Program for Guaranteed Ride Home and advocating for mass transit.	Marketing	Marty Transit Development Plan, Major Update FY 2025-2034.
n/a	Customer Facility and ADA Upgrades	Countywide	Public Works Department and Marty should have a transition plan for ADA compliance of transit infrastructure. Includes upgrades to make existing passenger facilities compliant with the Americans with Disabilities Act (ADA).	ADA upgrades	
n/a	Add Bus Stops to Existing Routes	Systemwide	Add 40 new bus stops. <ul style="list-style-type: none"> • Prioritize new stops on Route 1 and 2. • New ADA compliant bus stop construction: <ul style="list-style-type: none"> o 30 basic stops: 5 per year o 10 enhanced stops: 2 per year • Solar powered lighting at 40 stops • 10 shelters at enhanced stops • 50 updates to at-stop static sign and information displays. • Coordinate with Area Regional Transit (ART) and Palm Tran on locations outside of Martin County 	New bus stop	The need to add bus stops emerged through the precursor Transit Efficiency Study (TES) effort and from feedback from the public and elected officials and through technical analysis performed for this TDP. Typical bus stop spacing for urban transit systems nationwide is a ¼-mile spacing. The current bus stop spacing for Marty Routes 1, 2, 3, and 4, are 0.96, 2.59, 1.10, and 1.75 miles, respectively. Marty Transit Development Plan, Major Update FY 2025-2034.
n/a	Investigate Scope and Procurement for Microtransit	Systemwide	Depending on the customer experience desired, begin exploring taxi partnerships or microtransit opportunities to add later service for Route 4, Saturday service for local routes, and Palm City TNC Zone.	Procurement services	Marty Transit Development Plan, Major Update FY 2025-2034.
n/a	Replacement Bus Acquisition	Systemwide	Begin procurement in 2027. Scheduled replacement of 14 buses with 12-year life cycle from 2028-2034.	Fleet replacement	Capital cost adjusted to reflect PDC (in 2025 dollars). The TDP includes 2% inflation per year. Marty Transit Development Plan, Major Update FY 2025-2034.
n/a	Bus Fleet Management Plan Update	Systemwide	Guide transition/SOW for fleet and facility power transition if desired	Study/Plan	Marty Transit Development Plan, Major Update FY 2025-2034.

MPO Project ID Number	Project Name	Street Name/Geography	Project Description	Improvement Type/Category	Comments
n/a	Comprehensive Operational Analysis (COA)	Systemwide	Study to enhance transfer times, update headways. Review fare structure.	Study/Plan	
n/a	Transit Development Plan Major Update	Systemwide	Required every 5-years for state block grant funding.	Study/Plan	
n/a	Intermodal Hub Design Study	-	Begin procurement in 2026.	Study/Plan	
n/a	Route Planning and Scheduling Software	Systemwide	Annual evaluation of route schedules. One route per year for review & update coordinated service plan.	Technology	
n/a	Replacement Equipment Trip/Sparks Hardware	Systemwide	New/replacement of on-board equipment and networks for next generation Trip Sparks Computer Aided Dispatch (CAD)/Automatic Vehicle Location (AVL).	Technology	
n/a	Saturday TNC Pilot Program ² - Routes 1, 2, 3, and 4	Routes 1, 2, 3, and 4	TNC service within 3/4-mile distance of Routes 1, 2, 3, , and 4 on weekdays from 6 am to 8 pm.	New microtransit service	Operating cost adjusted to PDC (in 2025 dollars). Marty Transit Development Plan, Major Update FY 2025-2034.
T-5	Pilot Palm City TNC Zone ³	Palm City	Implement microtransit service from 6 am to 8 pm on weekdays only. The Palm City TNC Zone would increase access for areas with a high proportion of transit-dependent populations and destinations.	New microtransit service	
n/a	Paratransit Service	Countywide	Maintain existing paratransit service	Paratransit operations	Marty Transit Development Plan, Major Update FY 2025-2034.
n/a	Intermodal hub ⁴	Stuart	The hub should be in proximity to the Brightline Station and be the recognized county transportation center.	Intermodal	
n/a	Additional at-stop LCD real-time bus arrival displays	Systemwide	Bus stop upgrade, \$10K to \$15K each	Technology	
n/a	Sunday Shift Routes ² 1, 2, 3, and 4	Routes 1, 2, 3, and 4	For Routes 1, 2, 3, and/or 4, offer TNC services within a ¾-mile distance of existing route alignments.	New service - Sundays	Unfunded transit needs, Marty Transit Development Plan, Major Update FY 2025-2034
T-6	Stuart TNC Zone ³	Stuart	A TNC service in Stuart could increase ridership to existing routes and improve access to affordable housing units, medical services, and other origins and destinations.	New microtransit service	
T-7	Route 2 Express/Indiantown TNC Zone ³	Indiantown	A restructure of service delivery to provide for a new local TNC service in Indiantown.	New microtransit service	
T-8	Jensen/Rio/Ocean Breeze TNC Zone ³	Multiple jurisdictions	This new service area would connect to Route 1 and the proposed Jensen Beach Trolley from 6:00 am to 8:00 on weekdays only.	New microtransit service	
T-9	Port Salerno TNC Zone ³	Port Salerno	This new service area in Port Salerno would connect to Route 1 and 4 from 6:00 am to 8:00 pm on weekdays only.	New microtransit service	
n/a	Microtransit Service Capital Cost Allocation	Systemwide		New microtransit service	
T-10	Kanner Highway fixed route	Multiple jurisdictions	A new fixed route service to connect the transfer station at the Robert Morgade Library to the proposed Intermodal Hub in Stuart.	New fixed route service	
T-11	Jensen Beach Trolley	Jensen Beach	New service to connect the Stuart intermodal hub to the beaches and Treasure Coast Mall and Jensen Beach.	New trolley service	
n/a	Transit Planning Studies and Plans	Systemwide		Studies/Plans	
n/a	O&M Facility Planning and Design Study	Systemwide		Study/Plan	

MPO Project ID Number	Project Name	Street Name/Geography	Project Description	Improvement Type/Category	Comments
n/a	Sustainability and Resilience Study	Systemwide		Study/Plan	
n/a	Comprehensive Financial Assessment	Systemwide		Study/Plan	
n/a	Technology Deployment Study	Systemwide		Study/Plan	
n/a	Safety and Security Audit	Systemwide		Study/Plan	
n/a	Fleet Power Transition Study	Systemwide	Overlaps with Bus Fleet Management Plan Update in Line 17.	Study/Plan	
n/a	Emergency Response Planning	Systemwide		Study/Plan	
n/a	Customer Facilities and ADA Facilities Compliance	Systemwide		Study/Plan	
n/a	Triennial Review Support	Systemwide		Study/Plan	
n/a	Transit Asset Audit and Replacement Plan	Systemwide		Study/Plan	
n/a	Human Resource Recruiting, Retention and Development Study	Systemwide		Study/Plan	
n/a	Operations Scope of Work Development and Procurement Support	Systemwide		Study/Plan	
n/a	Study of Transit Values/Benefits to Martin County	Systemwide		Study/Plan	
n/a	Passenger Rail Station	Stuart		Intercity Passenger Rail Station (New Facility)	City of Stuart Brightline Station Analysis, 2018
T-12	Downtown Stuart Tram	Downtown Stuart	Maintain existing tram service. Operates from 9 am to 7 pm (Mon to Thrus), 9:00 am to 9:30 pm (Fri and Sat) and 9 am to 5 pm on Sunday	Downtown circulator service	City of Stuart Tram Business Plan, 2019
T-13	Tri-Rail Extension	FEC Railroad Corridor	From Palm Beach County to Fort Pierce	Regional transit service	2045 Treasure Coast Regional LRTP
T-14	SR-710/CSX Connector	CSX Railroad Corridor	Palm Beach County to SW Allapattah Road	Regional transit service	
T-15	Turnpike Express Bus Route	Florida's Turnpike	Palm Beach/Martin County Line to SW Port St. Lucie Boulevard	Regional transit service	
T-16	US-1 Transit Enhancements	US-1 Corridor	Palm Beach County Line to Brevard County Line	Regional transit service	
T-17	I-95 Express Bus Route	I-95 Corridor	Palm Beach County Line to Gatlin Boulevard/I-95	Regional transit service	

Notes

¹ Fixed bus route bus service includes restructured routes or modifications for Marty routes 2, 3, 4, and 20X.

² Provide on-demand service through partnerships with Transportation Network Companies, microtransit or taxi partnership within 0.75-mile distance of existing Marty routes.

³ Provide on-demand service through partnership with Transportation Network Companies, microtransit or taxi partnership within designated geographic areas or zones to enhance connectivity to Marty routes as well as origins and destinations.

⁴ Project cost not available at this stage. Project cost could vary significantly based on development program for the facility. Design features should be centered on pedestrian and bicycle activity, local taxis, TNCs, bikeshare, bike lockers, electric charging stations, park-and-ride facilities, and private charter bus companies.

n/a - Not Applicable

3.3.Strategic Intermodal System (SIS)

The following SIS projects are identified by FDOT and included in the SIS 2035-2050 Cost Feasible Plan, April 2024 and 2045 Multimodal Unfunded Needs Plan, June 2017. It should be noted that some of these projects are included in the MPO's TIP FY26-FY30 as indicated below.

Funded Projects, Martin MPO TIP FY26-FY30

- SR-714/Monterey Road at FEC Railroad Grade Separation

Programmed Projects, Martin MPO TIP FY26-FY30

- I-95 PD&E Study
- I-95 Managed Lanes (Preliminary Engineering phase)
- SR-710/Warfield Boulevard widening⁴ (Preliminary Engineering and ROW phases)
- High Meadow Avenue widening (Preliminary Engineering and ROW phases)

SIS 2035-2045 Long Range Cost Feasible Plan, April 2024

- Interchange Modification: I-95 @ SR-714/Martin Highway

SIS 2045 Multimodal Unfunded Needs Plan (MMUNP), June 2017

- SR-710 widening from Martin/ Okeechobee County Line to Martin Powerplant Road
 - Interchange Modification: I-95 from High Meadow Avenue to Becker Road
- Transit Improvements
 - US-1/Federal Hwy Exclusive Guideway
 - SR-710 Exclusive Guideway
 - Transit Hub at Indiantown

The SIS projects identified above are shown in **Figure 3.3-1** and **Table 3.3-1**.

Turnpike Projects

In addition, as shown in **Figure 3.3-2** and **Table 3.3-1**, the following Florida's Turnpike Enterprise (FTE) improvements from its *January 2025 Projects List* were included in the *Martin Moves 2050* Needs Plan to maintain consistency.

Funded Projects, Martin MPO TIP FY26-FY30

- Turnpike Mainline widening from North of SR-714 to North of Becker Road (4L to 8L)

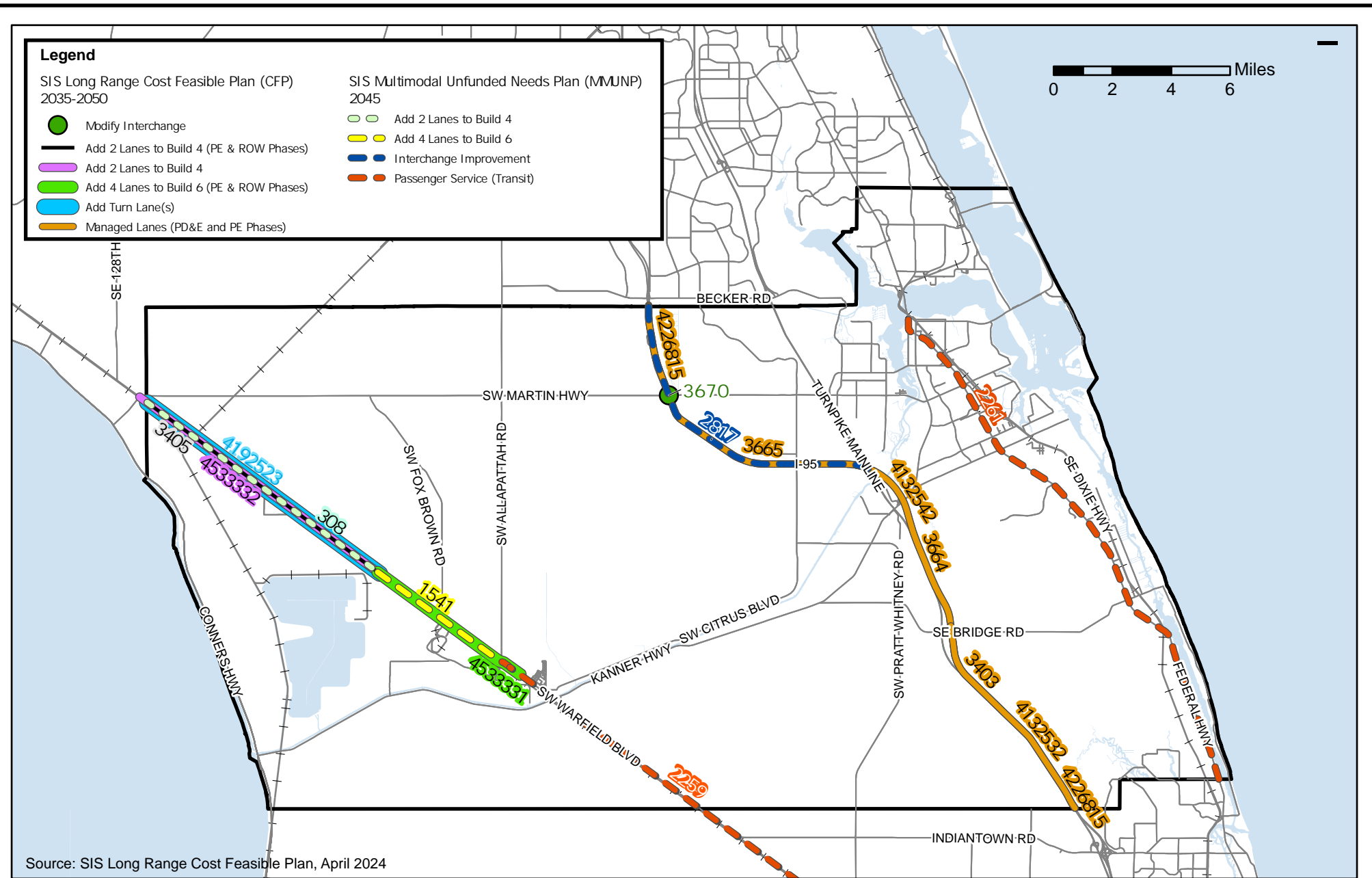
Programmed Projects, Martin MPO TIP FY26-FY30

- Turnpike PD&E Study (*On going*)
- New Interchange: MP 125 (at I-95) New Direct Connect Ramps from Turnpike Mainline PD&E Study

FTE Unfunded Projects, January 2025

- Interchange Improvement: Turnpike Mainline at SR-714
- Turnpike Mainline widening from Palm Beach/Martin County Line to SR-714 (4L to 6L)

⁴ Segments along SR-710 from FPL Access Road to Martin/Okeechobee County Line and FPL Access Road to CR-609/SW Allapattah Road do have construction funds available.



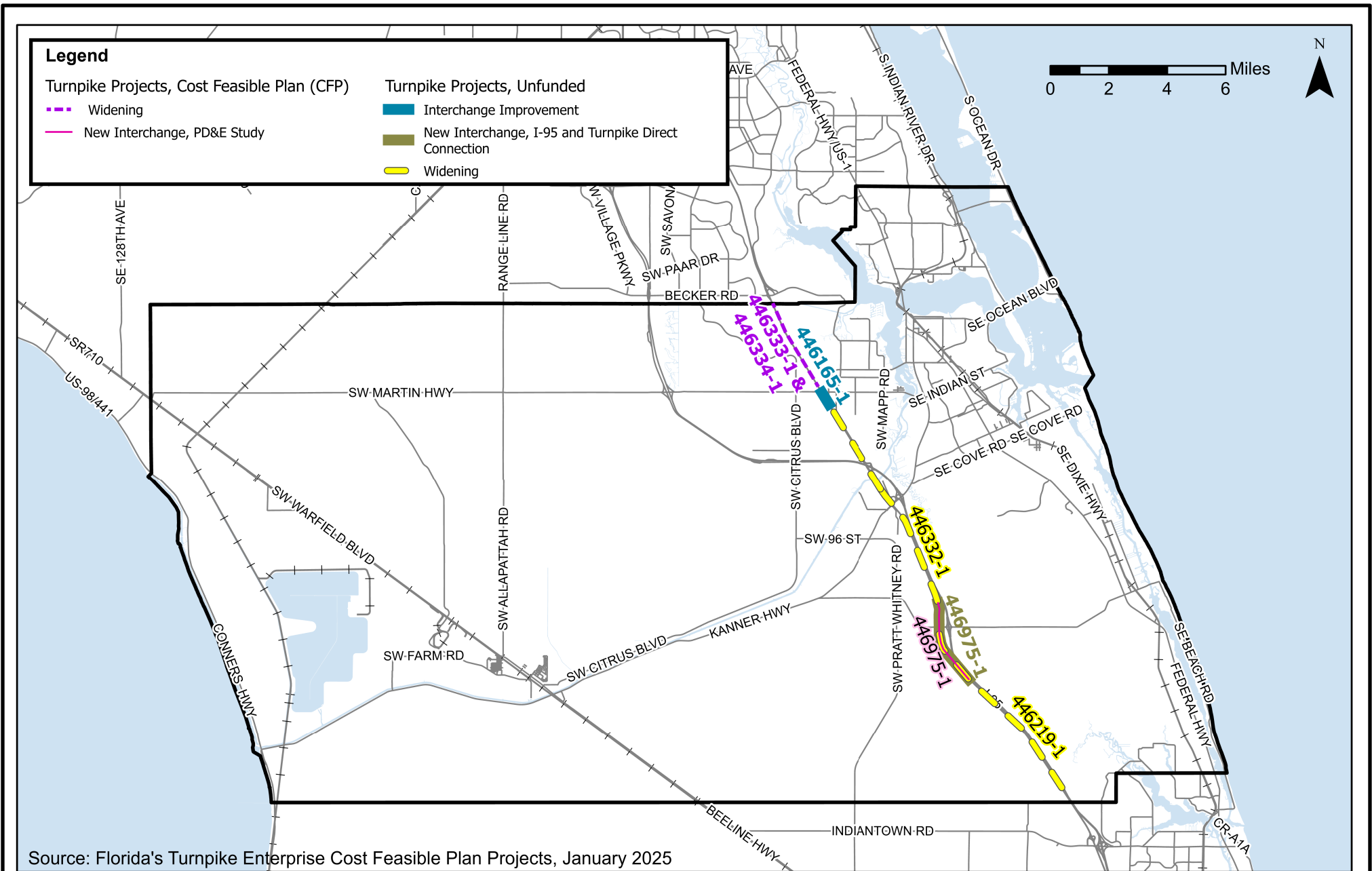


Table 3.3-1. Strategic Intermodal System (SIS) Improvements

SIS 2035-2050 Long Range Cost Feasible Plan, April 2024

MPO Project ID Number ¹	Street Name/Facility	From	To	Project Description	Source	Improvement Type	Comments
4132532	I-95	Martin/Palm Beach County Line	CR-708/Bridge Road	Managed Lanes	SIS Long Range CFP FY2035-2050	MGLANE	PD&E phase in SIS Adopted 1st Five Year Program
3403	I-95	Martin/Palm Beach County Line	CR-708/Bridge Road	Managed Lanes	SIS Long Range CFP FY2035-2050	MGLANE	
3405	SR-710	SE 126th Boulevard	Martin Powerplant Road	Add 2 Lanes to Build 4	SIS Long Range CFP FY2035-2050	A2-4	
4132542	I-95	CR-708/Bridge Road	High Meadow Avenue	Managed Lanes	SIS Long Range CFP FY2035-2050	MGLANE	PD&E phase in SIS Adopted 1st Five Year Program
3664	I-95	CR-708/Bridge Road	High Meadow Avenue	Managed Lanes	SIS Long Range CFP FY2035-2050	MGLANE	
4226815	I-95	High Meadow Avenue	Martin/St. Lucie County Line	Managed Lanes	SIS Long Range CFP FY2035-2050	MGLANE	PD&E phase in SIS Adopted 1st Five Year Program
3665	I-95	High Meadow Avenue	Martin/St. Lucie County Line	Managed Lanes	SIS Long Range CFP FY2035-2050	MGLANE	
3670	I-95	at SR-714/Martin Highway	-	Modify Interchange	0	M-INCH	
4192523	SR-710	Martin/Okeechobee County Line	FPL Power Plant Access Road	Add Turn Lane(s)	SIS Adopted 1st Five Year Program	TURN	PE phase in SIS Adopted 1st Five Year Program
4533332	SR-710	Martin/Okeechobee County Line	FPL Power Plant Access Road	Add 2 Lanes to Build 4	SIS Adopted 1st Five Year Program	A2-4	PE and ROW phases in SIS Adopted 1st Five Year Program
4533331	SR-710/SW Warfield Boulevard	FR FPL Access Rd	CR-609/SW Allapattah Road	Add 4 Lanes to Build 6	SIS Adopted 1st & 2nd Five Year Programs	A4-6	PE and ROW phases in SIS Adopted 1st & 2nd Five Year Programs

Notes

¹ The MPO Project Identification (ID) Number corresponds to the ID included in the SIS Long Range Cost Feasible Plan or SIS Adopted First and Second Five-Year Program as the case may be.

Project included in FDOT Five Year Work Program FY26-FY30/TIP, Nov. 2024

Florida's Turnpike Enterprise Cost Feasible Plan Projects, January 2025

MPO Project ID Number ²	Street Name/Facility	From	To	Project Description	Source	Improvement Type	Comments
446975-1 & 446166-1	Turnpike Mainline (SR-91)	-	-	New Interchange: MP 125 - I-95 (New Direct Connect Ramps from Turnpike Mainline (SR-91))	Turnpike Enterprise Major Projects List, Martin County, January 2025	New Interchange	PD&E is underway, preferred alternative selected
446333-1 & 446334-1	Turnpike Mainline (SR-91)	North of Stuart/SR-714 (MP 134.8)	North of Becker Road (MP 138.5)	Widen from 4 to 8 lanes, includes interchange improvement: MP 138 - Becker Road	Turnpike Enterprise Major Projects List, Martin County, January 2025	Widening	PE is underway, ROW (Phase 43) in 2031 and CON (Phase 52) in 2032 -2035

Notes

² The MPO Project Identification (ID) Number corresponds to the Florida Turnpike's Financial Project Identification (FPID) included in its Major Projects List, January 2025.

SIS 2045 Multi-Modal Unfunded Needs Plan (MMUNP), June 2017

MPO Project ID Number ³	Street Name/Facility	From	To	Project Description	Source	Improvement Type	Comments
308	SR-710	Martin/Okeechobee County Line	Martin Powerplant Road	Add 2 Lanes to Build 4	SIS 2045 MMUNP, June 2017	A2-4	Long Term Highway Improvements, Year 2045
2817	I-95	High Meadow Avenue	Becker Road	Interchange Improvement	SIS 2045 MMUNP, June 2017	M-INCH	Long Term Highway Improvements, Year 2045
2701	SR-710 Exclusive Guideway Transit Hub	at Indiantown	-	Passenger Service	SIS 2045 MMUNP, June 2017	PSERV	Mid Term Transit Improvements, Year 2035, Potential SIS Facility
2259	SR-710 Exclusive Guideway	Indiantown	Mangonia Park Tri-Rail Station	Passenger Service	SIS 2045 MMUNP, June 2017	PSERV	Mid Term Transit Improvements, Year 2035, Potential SIS Facility
2261	US-1 Exclusive Guideway	West Palm Beach Transit Hub	Fort Pierce	Passenger Service	SIS 2045 MMUNP, June 2017	PSERV	Mid Term Transit Improvements, Year 2035, Potential SIS Facility

Notes

³ The MPO Project Identification (ID) Number corresponds to the ID included in the SIS 2024 MMUNP, June 2017.

* YOE - Year of Expenditure. Inflation factors are consistent with SIS Long Range Cost Feasible Plan.

Florida's Turnpike Enterprise Unfunded Projects, January 2025

MPO Project ID Number ⁴	Street Name/Facility	From	To	Project Description	Source	Improvement Type	Comments
446975-1	Turnpike Mainline (SR-91)	-	-	New Interchange: MP 125 - I-95 (New Direct Connect Ramps from Turnpike Mainline (SR-91)	Turnpike Enterprise Major Projects List, Martin County, January 2025	New Interchange	Construction estimated that includes Direct Connection Interchange between I-95 and Florida's Turnpike and the widening of the Turnpike Mainline approx. 2 miles to the north and south of Bridge Rd. (July 2025)
446165-1	Turnpike Mainline (SR-91)	at Stuart/SR-714 (MP 133)	-	Interchange Improvement: MP 133 - Stuart (SR-714)	Turnpike Enterprise Major Projects List, Martin County, January 2025	Interchange Improvement	PE (Phase 32) at \$1.7M is underway; ROW (\$24.245M) and CON (\$141.739M) is unfunded
446219-1	Turnpike Mainline (SR-91)	MP 117.7 - Palm Beach/Martin County Line	MP 125 - I-95 Connector	Widen from 4 to 6 lanes	Turnpike Enterprise Major Projects List, Martin County, January 2025	Widening	PE (Phase 32) is underway; CON is unfunded
446332-1	Turnpike Mainline (SR-91)	MP 125 - I-95 Connector	MP 131 - Thomas B Manuel Bridge	Widen from 4 to 6 lanes	Turnpike Enterprise Major Projects List, Martin County, January 2025	Widening	PE (Phase 32) is underway; ROW (\$12.16M) and CON (\$260.169M) is unfunded
446617-1	Turnpike Mainline (SR-91)	MP 131 - Thomas B Manuel Bridge	MP 133 - Stuart/SR-714	Widen from 4 to 6 lanes	Turnpike Enterprise Major Projects List, Martin County, January 2025	Widening	ROW (\$6.176M) and CON (\$123.774M) is unfunded

Notes

⁴ The MPO Project Identification (ID) Number corresponds to the Florida Turnpike's Financial Project Identification (FPID) included in its Major Projects List, January 2025.

MPO Project ID Number ¹	Street Name/Facility	From	To	Project Description	Source	Improvement Type	Comments
441636-3	SR-714	at FEC Railway	-	Grade Separation	Draft Tentative Work Program, FDOT, Dec. 2024	GRASEP	Draft Tentative Work Program, FDOT, Nov. 2024
453333-4	SR-710/SW Warfield Boulevard	SW Allapattah Road	SW Van Buren Avenue	Add Lanes and Reconstruct	Draft Tentative Work Program, FDOT, Dec. 2024	Widening	Draft Tentative Work Program, FDOT, Nov. 2024

Notes

Project included in FDOT Five Year Tentative Work Program FY26-FY30, Nov. 2024

3.4. Transportation System Management & Operations (TSM&O)

Based on congested network analysis conducted for CMP Update and input received from Martin County, 14 roadway segments listed below and shown in **Figure 3.4-1** as well as **Table 3.4-1** were identified for TSM&O improvements as part of 2050 Needs Plan. It should be noted that corridor-specific improvements have not been identified at this time. Detailed corridor level analysis would be conducted for these corridors outside of the LRTP development process to identify appropriate improvements and corresponding construction and/or project implementation costs.

- **Fourteen (14) Roadway Segments along the following 12 corridors:**
 - CR-732/NE Causeway Blvd
 - Indian River Drive
 - Jensen Beach Boulevard
 - SE Monterey Road
 - SW Joan Jefferson Way
 - CR-713/High Meadow Avenue⁵
 - Dixie Highway
 - S Colorado Ave
 - SE Ocean Boulevard
 - SR-714/Martin Highway
 - SW Murphy Road
 - US-1/Federal Highway

It should be noted that FDOT's updated TSM&O Master Plan during the development of this 2050 Needs Plan. The Martin MPO and FDOT would coordinate to align the TSM&O projects to ensure efficiency between Martin Moves 2050 and the updated Department's TSM&O Master Plan.

⁵ CR-713/High Meadow Avenue from I-95 to SR-714/SW Martin Highway overlaps with the capacity project identified as part of Roadway/Highway needs in Section 3.1. The MPO would coordinate with the FDOT District Four to define the scope of both these projects to ensure synergy and efficiency in identifying short- and long-term improvements.

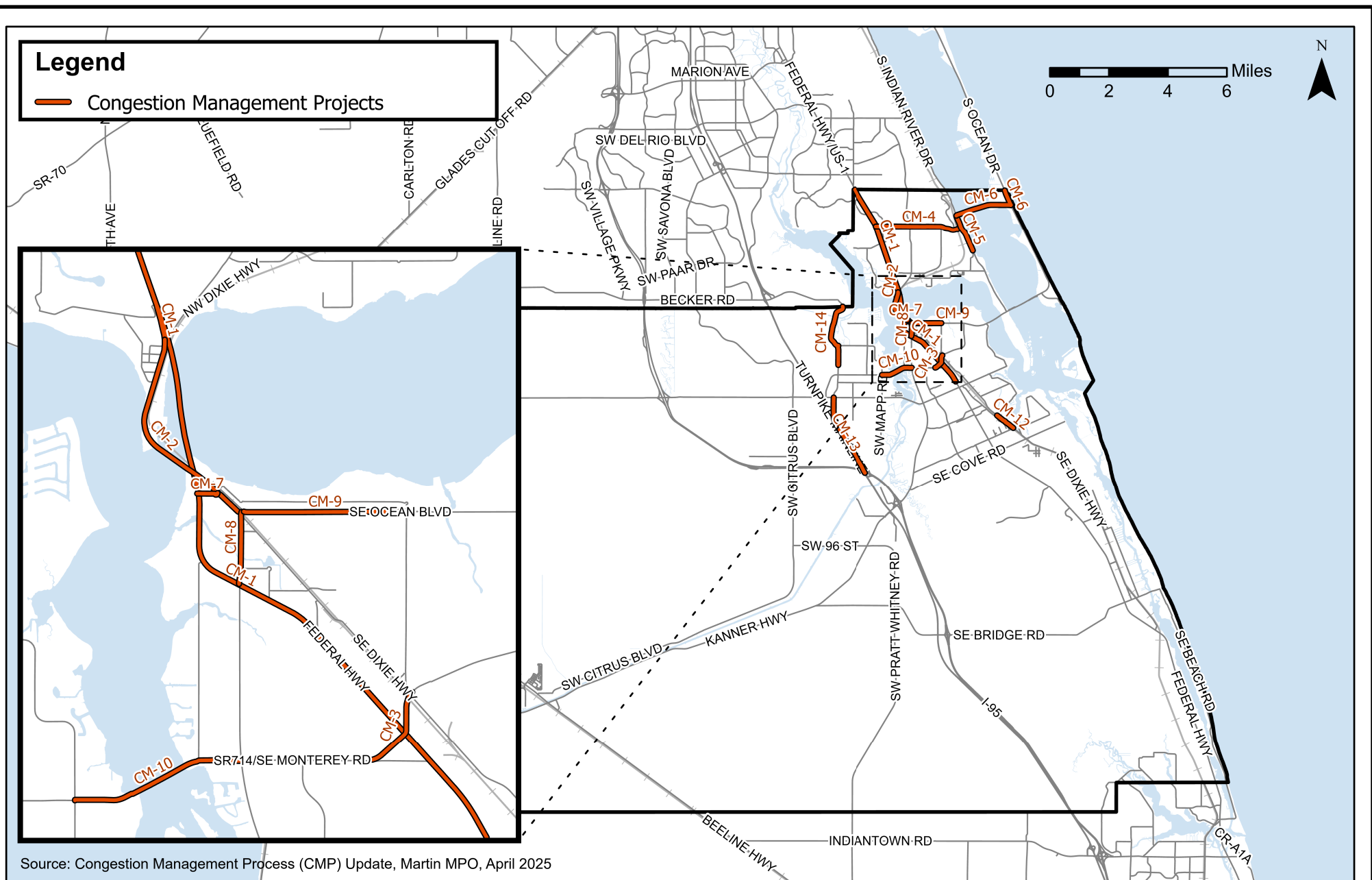


Table 3.4-1. Transportation System Management & Operations (TSM&O) Improvements

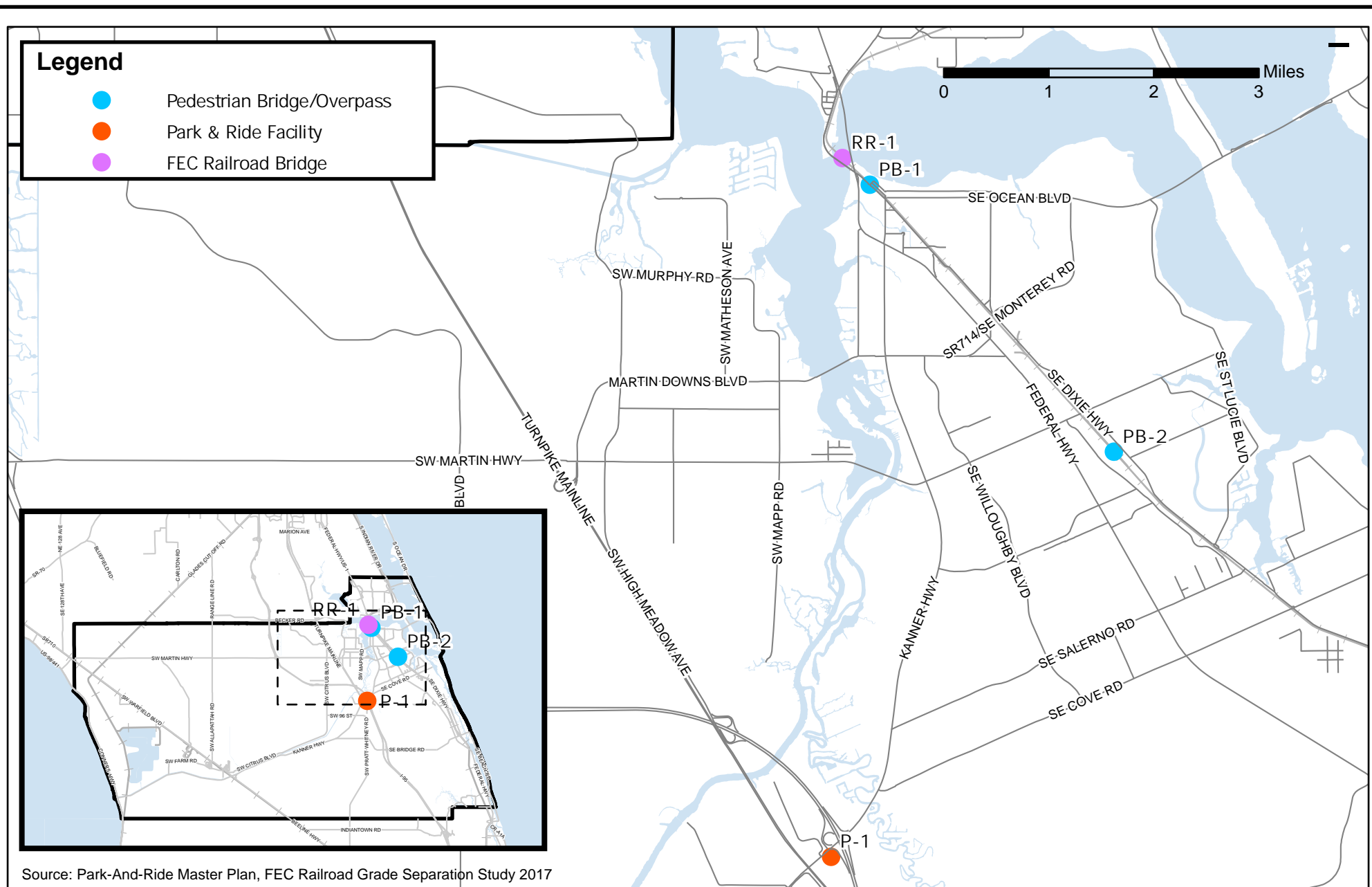
MPO Project ID Number	Street Name	From	To	Project Description	Length (in miles)	Source	Improvement Type
CM-1	US-1/Federal Highway	Martin/St. Lucie County Line	SE Indian Street	Congestion Management	7.85	Congestion Analysis, CMP Update, Martin Moves 2050 LRTP	Audible & Vibratory Edge Line Striping; Advance Vehilce Detection
CM-2	Dixie Highway	NW Palm Street	S. Colorado Avenue	Congestion Management	1.33	Congestion Analysis, CMP Update, Martin Moves 2050 LRTP	TBD
CM-3	SE Monterey Road	SE Monterey Road (Ext)	SE Dixie Highway	Congestion Management	0.52	Congestion Analysis, CMP Update, Martin Moves 2050 LRTP	TBD
CM-4	Jensen Beach Boulevard	US-1/Federal Highway	Indian River Drive	Congestion Management	2.94	Congestion Analysis, CMP Update, Martin Moves 2050 LRTP	TBD
CM-5	CR-732/NE Causeway Blvd	Indian River Drive	SR-A1A	Congestion Management	2.47	Congestion Analysis, CMP Update, Martin Moves 2050 LRTP	TBD
CM-6	Indian River Drive	Jensen Beach Boulevard	NE Dixie Highway	Congestion Management	1.33	Congestion Analysis, CMP Update, Martin Moves 2050 LRTP	TBD
CM-7	SW Joan Jefferson Way	US-1/Federal Highway	Dixie Highway	Congestion Management	0.13	Congestion Analysis, CMP Update, Martin Moves 2050 LRTP	TBD
CM-8	S Colorado Ave	SE Ocean Boulevard	US-1/Federal Highway	Congestion Management	0.45	Congestion Analysis, CMP Update, Martin Moves 2050 LRTP	TBD
CM-9	SE Ocean Boulevard	S Colorado Ave	SE Palm Beach Road	Congestion Management	0.99	Congestion Analysis, CMP Update, Martin Moves 2050 LRTP	TBD
CM-10	SR-714/Martin Highway	SW Mapp Road	S Kanner Highway/SR-76	Congestion Management	1.07	Congestion Analysis, CMP Update, Martin Moves 2050 LRTP	TBD
CM-12	Dixie Highway	Salerno Road	St. Lucie Boulevard	Congestion Management	0.71	Congestion Analysis, CMP Update, Martin Moves 2050 LRTP	TBD
CM-13	CR-713/High Meadow Avenue	I-95	SR-714/Martin Highway	Congestion Management	2.85	Congestion Analysis, CMP Update, Martin Moves 2050 LRTP	TBD
CM-14	SW Murphy Road	Martin/St. Lucie County Line	SR-714/Martin Highway	Congestion Management	2.25	Congestion Analysis, CMP Update, Martin Moves 2050 LRTP	TBD

Notes:
Project ID CM-11, SR-714/Martin Highway wass identified as a congested corridor based on Year 2023 data before the completion of improvements. Therefore, it is omitted from the needs plan list of TSM&O corridors.
Location and corridor specific improvements will be identified based on detailed technical analysis including data collection, traffic and safety evaluation along with corresponding project cost estimates.

3.5. “Other” Improvements

The “other” improvements category includes Travel Demand Management (TDM), safety and Park-and-Ride facilities (**Figure 3.5-1** and **Table 3.5-1**). These following needs were identified based on *Park-And-Ride Master Plan, FDOT, October 2018* and *FEC Railroad Grade Separation Feasibility Study, Martin MPO, August 2017*.

- ***Park-and-Ride Facilities (three locations)***
 - Kanner Highway/SR-76 at I-95
 - West of I-95 between Becker Road and Martin Highway
 - West of Turnpike in vicinity of Sand Avenue
- ***Pedestrian Overpass along Florida East Coast (FEC) mainline***
 - Sailfish Circle Park (PNR) and Flagler Avenue
 - Railroad Avenue and Commerce Avenue
- ***FEC Rail Bridge – Double Tracking over St. Lucie River***



Source: Park-And-Ride Master Plan, FEC Railroad Grade Separation Study 2017

Table 3.5-1. “Other” Improvements

MPO Project ID Number	Project Name	From	To	Project Description	Source	Improvement Type	Comments
P-1	Kanner Highway/SR-76 at I-95			Facility located in southwest corner of Kanner Highway/SR 76, approximately 46,000 sq. ft. 106 parking spaces including four ADA spaces and six kiss-and-ride.	Park-And-Ride Master Plan, FDOT - D4, Oct. 2018, pg. 10, 38, 43 and 44	Park-and-Ride	Cost from 2045 LRTP; includes MOT and contingency
n/a	West of I-95 between Becker Road and Martin Highway			Park-and-Ride Lot	Park-And-Ride Master Plan, FDOT - D4, Oct. 2018, pg. 10	Park-and-Ride	Assumes 50 spaces @ \$17,000/space
n/a	West of Turnpike in vicinity of Sand Avenue			Park-and-Ride Lot	Park-And-Ride Master Plan, FDOT - D4, Oct. 2018, pg. 10	Park-and-Ride	Assumes 50 spaces @ \$17,000/space
PB-1	FEC Railroad Pedestrian Grade Separation	Sailfish Circle Park and Park-and-Ride Lot	Flagler Avenue	Non-motorized grade separated crossing (overpass)	Martin County Freight & Goods Movement Plan, Oct. 2020 - Mid Rnage (2026-2030), Martin MPO; FEC Railroad Grade Separation Study, Martin MPO, August 2017	Pedestrian Plaza Overpass	Cost does not include operation and maintenance of elevators; potential for partial (up to 50%) from Brightline
PB-2	FEC Railroad Pedestrian Grade Separation	Railroad Avenue	Commerce Avenue	Non-motorized railroad grade separated crossing (overpass)	Martin County Freight & Goods Movement Plan, Oct. 2020 - Mid Range (2026-2030), Martin MPO; FEC Railroad Grade Separation Study, Martin MPO, August 2017	Pedestrian Overpass	
RR-1	FEC Railroad Bridge	Over St. Lucie River		Double tracking FEC railroad bridge over St. Lucie river	Martin County Freight & Goods Movement Plan, Oct. 2020, Martin MPO - Long Range (2031-2045)	New Railroad Bridge/Rail Capacity	

Notes
RR-1 are included in Freight Needs. It is a privately funded project.

3.6.Freight

Majority of the freight projects overlap with the SIS and “other” projects (**Figure 3.6-1** and **Table 3.6-1**). In addition, improvements identified in the Martin MPO’s *Freight and Goods Movement Study, October 2020*, projects recommended by the MPO’s Freight Technical Advisory Committee (FTAC) as well as the Project Steering Committee (PSC) were included in the freight needs.

- **Overlap with SIS & “Other” projects**
 - I-95 Managed Lanes
 - SR-710 Widening
 - SR-714 at FEC RR Xing Grade Separation
 - FEC RR Bridge over St. Lucie River
- **Additional Improvements**
 - Three (3) Truck Parking Improvements
 - Four Shoulder Widening Projects
 - Two (2) Technology-based Improvements
 - One (1) Lane Reconfiguration Project
 - Countywide Signage/Truck Route Plan
- **Freight Supportive Network**
 - Roadway widening projects from 2045 LRTP

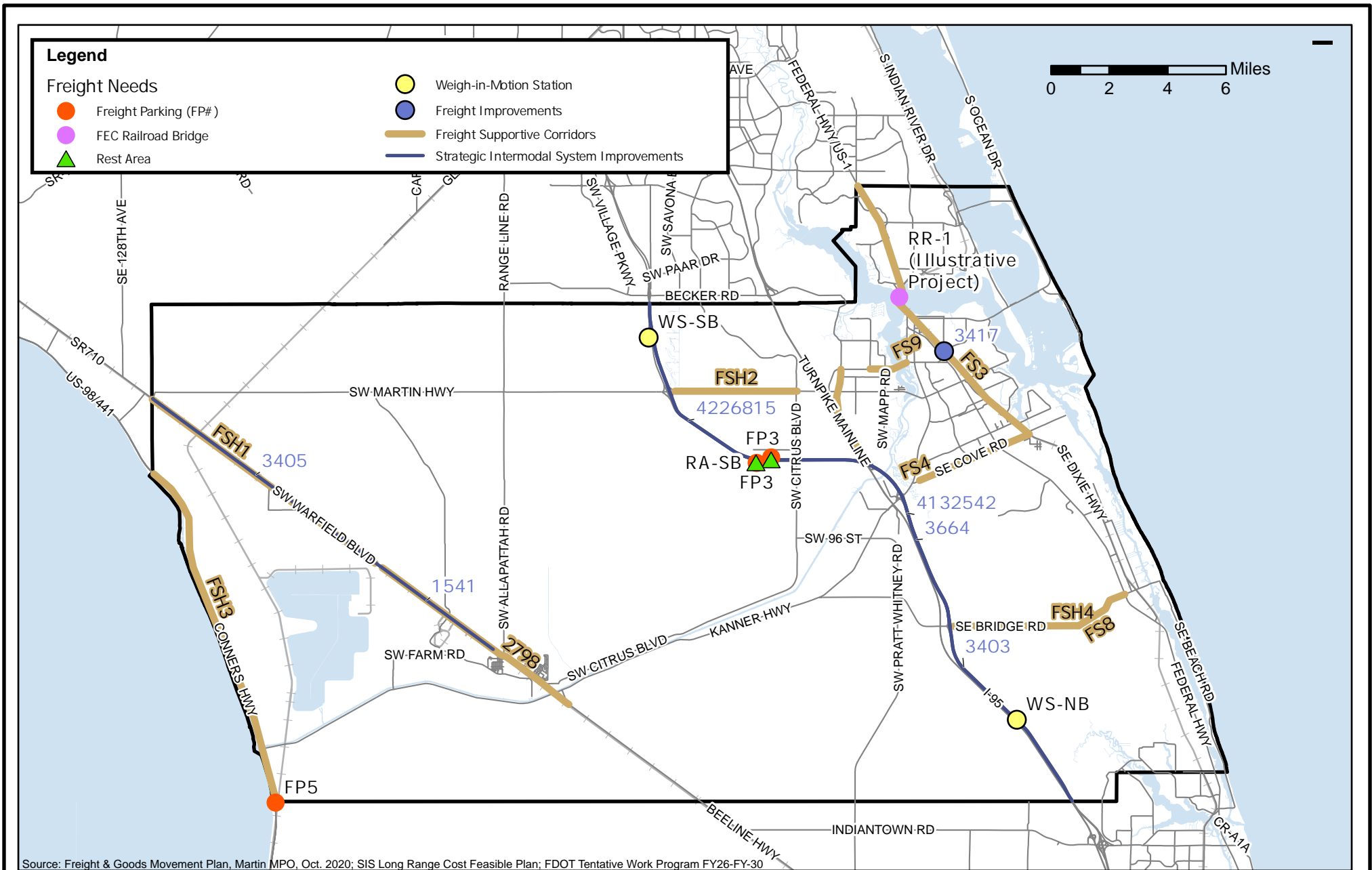


Table 3.6-1. Freight Improvements

MPO Project ID Number ¹	Street Name/Project Name	From	To	Project Description	Length (in miles)	Source	Improvement Type	Comments
1541	SR-710	Martin Powerplant Road	CR-609/Allapattah Road	Add 2 Lanes to Build 4		SIS Long Range CFP FY2035-2050	A2-4	FM# 4192522, <i>Martin in Motion</i> 2045 LRTP; Freight Mobility and Trade Plan (FMTP), April 2020
3403	I-95	Martin/Palm Beach County Line	CR-708/Bridge Road	Managed Lanes		SIS Long Range CFP FY2035-2050	MGLANE	Freight Mobility and Trade Plan (FMTP), April 2020
3405	SR-710	SE 126th Boulevard	Martin Powerplant Road	Add 2 Lanes to Build 4		SIS Long Range CFP FY2035-2050	A2-4	Freight Mobility and Trade Plan (FMTP), April 2020
3417	SR-714	at FEC Railway	-	Grade Separation		SIS Long Range CFP FY2035-2050	GRASEP	Freight Mobility and Trade Plan (FMTP), April 2020
4226815	I-95	High Meadow Avenue	Martin/St. Lucie County Line	Managed Lanes		SIS Long Range CFP FY2035-2050	MGLANE	PD&E phase in SIS Adopted 1st Five Year Program
4132542	I-95	CR-708/Bridge Road	High Meadow Avenue	Managed Lanes		SIS Long Range CFP FY2035-2050	MGLANE	PD&E phase in SIS Adopted 1st Five Year Program, Project ID 'F-1' included in <i>Martin in Motion</i> 2045 LRTP
3664	I-95	CR-708/Bridge Road	High Meadow Avenue	Managed Lanes		SIS Long Range CFP FY2035-2050	MGLANE	PD&E phase in SIS Adopted 1st Five Year Program, Project ID 'F-1' included in <i>Martin in Motion</i> 2045 LRTP
n/a	Strategies for Reducing Railroad Trespassing (SRRT) Pilot Project	Florida East Coast (FEC) Railway Corridor	-	Enhanced Safety Improvements per Brightline and Martin County Agreement		Freight Mobility and Trade Plan (FMTP), April 2020	Safety	Freight Mobility and Trade Plan (FMTP), April 2020

Notes

¹ The MPO Project Identification (ID) Number corresponds to the ID included in the SIS Long Range Cost Feasible Plan or SIS Adopted First and Second Five-Year Program as the case may be.

Project included in FDOT Five Year Tentative Work Program FY26-FY30, Nov. 2024

Table 3.6-1 Freight Improvements (continued)

MPO Project ID Number ²	Street Name/Project Name	From	To	Project Description	Length (in miles)	Source	Improvement Type	Comments
RR-1	FEC Railroad Bridge	Over St. Lucie River	-	Double tracking FEC railroad bridge over St. Lucie river	-	Martin County Freight & Goods Movement Plan, Oct. 2020, Martin MPO - Long Range (2031-2045)	New Railroad Bridge/Rail Capacity	
FRR-6	US-27 Corridor Rail Bypass	Miami-Dade County	FEC Railroad at SR-710	New Railroad, Rehabilitation		Martin County Freight & Goods Movement Plan, Oct. 2020, Martin MPO - Long Range (2031-2045)	New Railroad, Rehabilitation	
FP-3	Martin County I-95 NB and SB Rest Areas	-	-	Dynamic Truck Parking, Touch-Screen Kiosk	-	Martin County Freight & Goods Movement Plan, Oct. 2020, Martin MPO - Short Range (2021-2025)	ITS	
FP-5	Truck Parking (Pull Offs) (700'X100'; 20 truck parking)	Regional - US 98, SR 710	-	New Parking	-	Martin County Freight & Goods Movement Plan, Oct. 2020, Martin MPO - Mid Range (2026-2030)	New Parking	Cost for full build truck parking varies from \$180,000 to \$260,000 based on recently completed projects in Florida, plus 50% for soft costs
FSH1	SR-714/Martin Highway	I-95	Citrus Blvd	Widen paved shoulders from 4' to 7'	4.4	Martin County Freight & Goods Movement Plan, Oct. 2020, Martin MPO - Mid Range (2026-2030)	Shoulder Widening	Unit cost based on FDOT Cost Per Mile model for U-18 + 50% for soft costs
FSH2	US-98	Palm Beach County Line	Okeechobee County Line	Widen paved shoulders from 4' to 7'	12.6	Martin County Freight & Goods Movement Plan, Oct. 2020, Martin MPO - Short Range (2021-2025)	Shoulder Widening	Unit cost based on FDOT Cost Per Mile model for U-18 + 50% for soft costs
FSH3	SE Bridge Road	0.5 Miles east of I-95	Flora Avenue	Widen paved shoulders from 1' to 7'	5.00	Martin County Freight & Goods Movement Plan, Oct. 2020, Martin MPO - Long Range (2031-2045)	Shoulder Widening	Unit cost based on FDOT Cost Per Mile model for U-18 + 50% for soft costs
FSH4	SR-76/ SW Kanner Highway	US- 98	Pratt Whitney Rd	Widen paved shoulders from 4' to 7'	23.00	Martin County Freight & Goods Movement Plan, Oct. 2020, Martin MPO - Long Range (2031-2045)	Shoulder Widening	Unit cost based on FDOT Cost Per Mile model for U-18 + 50% for soft costs
FRH1	Rural Highways - West of I-95	Regional	-	TSM&O System (10 Digital Message Signs)	-	Martin County Freight & Goods Movement Plan, Oct. 2020, Martin MPO - Long Range (2031-2045)	TSM&O	Assume 51x100ft DMS with support structure at \$500,000 plus 50% for soft cost
FRH2	Rural Highways - West of I-95	Regional	-	Provide Rural Center U-Turns Every 10 Miles	-	Martin County Freight & Goods Movement Plan, Oct. 2020, Martin MPO - Long Range (2031-2045)	Restriping/Lane Reconfiguration	
FRH3	Rural Highways - West of I-95	Regional	-	Visibility Warning System (8)	-	Martin County Freight & Goods Movement Plan, Oct. 2020, Martin MPO - Long Range (2031-2045)	Technology	

MPO Project ID Number ²	Street Name/Project Name	From	To	Project Description	Length (in miles)	Source	Improvement Type	Comments
FTRP1	Highways, Local Roads	Countywide	-	Designated Truck Routes and No Thru Trucks (50)	-	Martin County Freight & Goods Movement Plan, Oct. 2020, Martin MPO - Short Range (2021-2025)	Truck Route Plan (Signage)	
FS2	Stuart Area Projects	Areawide	-	FDOT TSM&O, MPO 2020 Congestion Management Projects	-	Martin County Freight & Goods Movement Plan, Oct. 2020, Martin MPO - Short & Mid Range (2021-2030)	TSM&O	Martin in Motion, 2045 LRTP
FS3	US-1	Cove Road	St. Lucie County Line	Corridor Retrofit	8.80	Martin County Freight & Goods Movement Plan, Oct. 2020, Martin MPO - Mid Range (2026-2030)	Corridor Retrofit	US-1 Congestion Management Study, 2024
FS7	High Meadow Avenue	I-95	SR-714/ Martin Highway	Add 2 Lanes & Reconstruct 2 Lanes (4LD)	2.64	Martin County Freight & Goods Movement Plan, Oct. 2020, Martin MPO - Mid Range (2026-2030)	Widening	Draft Tentative Work Program, FDOT, Nov. 2024; Phases - PE, ROW
FS4	Cove Road	Kanner Highway/SR-76	CR-A1A	Add 2 Lanes & Reconstruct 2 Lanes (4LD)	4.32	Martin County Freight & Goods Movement Plan, Oct. 2020, Martin MPO - Mid Range (2026-2030)	Widening	Project IDs 'R-4, R-5, R-6' included in Martin in Motion 2045 LRTP; Draft Tentative Work Program, FDOT, Nov. 2024; Phases - PE, ROW (partial project)
FS8	Bridge Road	Powerline Avenue	Federal Highway/US-1	Add 2 Lanes & Reconstruct 2 Lanes (4LD)	2.00	Martin County Freight & Goods Movement Plan, Oct. 2020, Martin MPO - Long Range (2031-2045)	Widening	Project ID 'R-10' included in Martin in Motion 2045 LRTP, cost increased by 1.28 at 5% YoY
FS9	SR-714/ Martin Downs Boulevard	Matheson Avenue	Palm City Road	Add 2 Lanes & Reconstruct 4 Lanes (6LD)	1.33	Martin County Freight & Goods Movement Plan, Oct. 2020, Martin MPO - Long Range (2031-2045)	Widening	Project ID 'R-13' included in Martin in Motion 2045 LRTP, cost increased by 1.28 at 5% YoY
WS-NB	I-95	Weigh-in-Motion Station (Northbound)	-	TBD	-	Project Steering Committee & I-95 Master Plan	ITS	
WS-SB	I-95	Weigh-in-Motion Station (Southbound)	-	TBD	-	Project Steering Committee & I-95 Master Plan	ITS	
RA-NB	I-95	Rest Area (Northbound)	-	Dynamic Truck Parking, Touch-Screen Kiosk	-	Project Steering Committee & I-95 Master Plan	ITS	Overlaps with Project ID FP3
RA-SB	I-95	Rest Area (Southbound)	-	Dynamic Truck Parking, Touch-Screen Kiosk	-	Project Steering Committee & I-95 Master Plan	ITS	Overlaps with Project ID FP3

Notes

RR-1 is included in and overlaps with projects in the "Other Improvements" category.

Freight Needs that do not overlap with improvements/projects included in other modes or categories.

FS# - Freight Supportive Corridors identified in the Martin MPO's Freight and Goods Movement Plan, October 2020. FS3 overlaps with CM-1.

Project included in FDOT Five Year Tentative Work Program FY26-FY30, Nov. 2024

FRH1, FRH2, FRH3, FTRP1 and FS2 are areawide, countywide or regional projects that are not shown on the map.

RR-1 is a privately funded project.

3.7.Safety

The *Martin Moves 2050* Needs Plan identified safety improvements for all users along the following six corridors as well as railroad crossing improvements as shown in **Figure 3.7-1** and **Table 3.7-1**. These safety improvements include projects from the County's *SS4A Plan*, the Martin MPO's *Vision Zero Plan* and the *Unfunded Safety Priority List*. In addition to infrastructure improvements, such as upgrading signals, adding turn lanes, installing high emphasis crosswalk, midblock crossing, and pedestrian hybrid beacons other projects include safety studies and audits, education and enforcement strategies.

- ***Improvements for pedestrians, bicyclists, and motorists along Six (6) Corridors***
 - Bridge Road
 - Dixie Highway
 - Kanner Highway /SR-76
 - Martin Highway/SR-714
 - SE Commerce Avenue
 - US-1/Federal Highway
- ***Railroad Crossing***
 - Countywide (2nd Train Incoming Warning System)
 - Railroad Crossing Gates: SW Amarylis Avenue at CSX Crossing

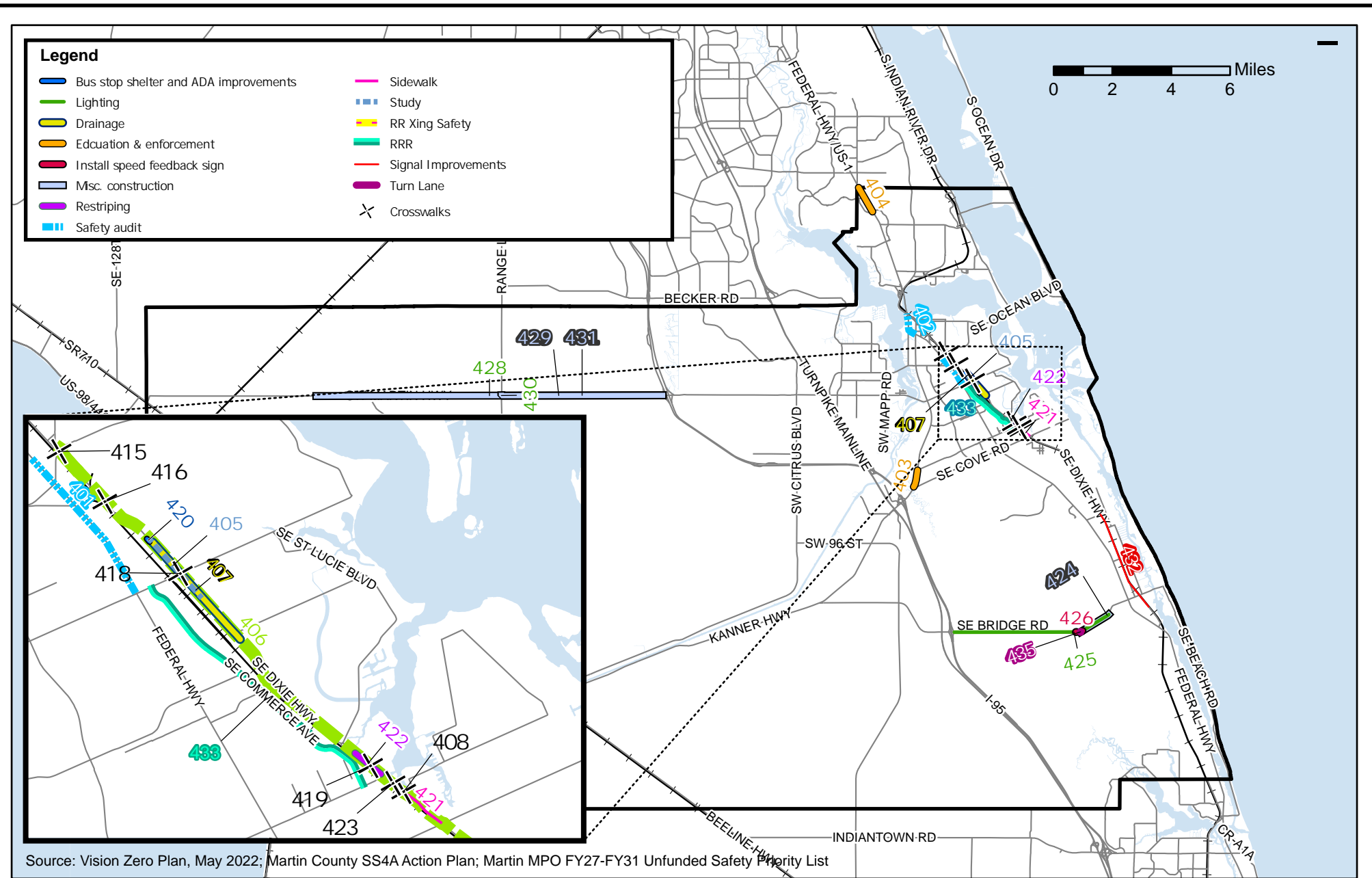


Table 3.7-1. Safety Improvements

MPO Project ID Number	Street Name	From	To	Project Description	Length (in miles)	Source	Improvement Type
401	US 1/SE Federal Hwy	SE Indian St	SE Central Pkwy	Safety audit, safety improvements	1.28	Vision Zero Plan, May 2022	Safety audit
402	US 1/SE Federal Hwy	SR 76/Kanner Hwy	Roosevelt Bridge	Safety audit, speed reduction, safety improvements	0.84	Vision Zero Plan, May 2022	Safety audit
403	S Kanner Hwy	SE Cove Rd	SE Salerno Rd	Education, enforcement	0.59	Vision Zero Plan, May 2022	Education & enforcement
404	US 1/Federal Hwy	NW Goldenrod Rd	St. Lucie County Line	Education, enforcement	0.94	Vision Zero Plan, May 2022	education & enforcement
405	S Dixie Hwy	SE Delmar St	SE Aviation Way	Bike facility study, safety improvements	0.60	Vision Zero Plan, May 2022	Study
407	SE Dixie Highway	SE Normand Street	SE Kensington Street	Shift drainage inward by 3 ft	1.24	Martin County SS4A Action Plan	Drainage
408	SE Dixie Highway	SE Broward Street	-	Upgrade existing mid-block pedestrian crosswalk to pedestrian hybrid beacon	0.02	Martin County SS4A Action Plan	Install pedestrian hybrid beacon
415	SE Dixie Highway	Monterey Road	-	Upgrade existing crosswalks to high emphasis crosswalk	0.03	Martin County SS4A Action Plan	Install high emphasis crosswalk
416	SE Dixie Highway	SE Airport Road	-	Upgrade existing crosswalks to high emphasis crosswalk	0.02	Martin County SS4A Action Plan	Install high emphasis crosswalk
418	SE Dixie Highway	SE Indian Street	-	Upgrade existing crosswalks to high emphasis crosswalk	0.02	Martin County SS4A Action Plan	Install high emphasis crosswalk
419	SE Dixie Highway	SE Seaward Street	-	Upgrade existing crosswalks to high emphasis crosswalk	0.02	0	Install high emphasis crosswalk
420	SE Dixie Highway	SE Aviation Way	-	Improve bus stop boarding and alighting areas to be ADA compliant and add shelters	0.03	Martin County SS4A Action Plan	Bus stop shelter and ADA improvements
421	SE Dixie Highway	SE Cove Road	SE Westfield Street	Install sidewalk barriers or fencing	0.37	Martin County SS4A Action Plan	Sidewalk
422	SE Dixie Highway	SE Salerno Road	SE Westfield Street	Reduce width of parking spaces and install a bicycle lane	0.25	Martin County SS4A Action Plan	Restriping
423	SE Dixie Highway	South of SE Salerno Road	-	Upgrade existing midblock crossing to include pedestrian hybrid beacons and high-visibility crosswalks	0.01	Martin County SS4A Action Plan	Install pedestrian hybrid beacon & high visibility crosswalks
424	SE Bridge Road	SE Powerline Avenue	SE Flora Avenue.	Extend rumble strips (centerline and shoulders)	1.13	Martin County SS4A Action Plan	Misc. construction
425	SE Bridge Road	I-95	SE Flora Avenue.	Install lighting	5.42	Martin County SS4A Action Plan	Lighting
426	SE Bridge Road	SE Powerline Avenue	-	Install electronic speed feedback sign	0.02	Martin County SS4A Action Plan	Install speed feedback sign
427	SE Bridge Road	at Powerline Road	-	Install electronic speed feedback sign	0.01	Martin County SS4A Action Plan	Install speed feedback sign
428	SW Martin Highway	SW Deer Run	West of I-95	Install lighting	11.78	Martin County SS4A Action Plan	Lighting
429	SW Martin Highway	SW Deer Run	West of I-96	Improve road friction	11.78	Martin County SS4A Action Plan	Misc. construction
430	SW Martin Highway	SW Allapattah	-	Intersection illumination	0.02	Martin County SS4A Action Plan	Lighting
431	SW Martin Highway	SW Deer Run	SW Allapattah Road	Install rumble strips (centerline and shoulders)	5.50	Martin County SS4A Action Plan	Misc. construction
432	SE Dixie Hwy	SE Osprey St	SE Gleason St	Signal improvements	-	Martin MPO FY27-FY31 Unfunded Safety Priority List	Signal Improvements
433	SE Commerce Ave	SE Indian St	SE Salerno Rd	Roadway leveling, resurfacing, shoulder widening, drainage improvements, pedestrian crosswalks	2.25	Martin MPO FY27-FY31 Unfunded Safety Priority List	RRR
na	Railroad Crossings	County Wide	-	Second train incoming warning system	-	Martin MPO FY27-FY31 Unfunded Safety Priority List	RR Xing Safety
434	SW Amaryllis Ave	CSX Crossing	-	Railroad crossing gates	-	Martin MPO FY27-FY31 Unfunded Safety Priority List	RR Xing Safety
435	Bridge Rd	@ Powerline Drive	-	Turn lane	-	Martin MPO FY27-FY31 Unfunded Safety Priority List	Turn Lane

Notes

MPO Project ID #s 403 and 403: Implement bicycle education and speed enforcement programs.

3.8.Complete Streets

Consistent with Martin MPO comprehensive *Complete Streets: Access to Transit Study, June 2020*, Tier 1 priority projects included in the 2050 Needs Plan are shown in **Figure 3.8-1** and **Table 3.8-1**. A total of 16 projects along 13 corridors would create approximately 14 miles of complete streets network.

- ***Sixteen Complete Streets projects along the following 13 corridors***
 - NW Dixie Highway/SR-707⁶
 - S Kanner Highway /SR-76
 - SE Christie Way
 - SE Cove Road
 - SE Cutoff Road
 - SE Dixie Highway
 - SE Ebbtide Avenue
 - SE Indian Street
 - SE Jack Avenue
 - SE Palm Beach Road
 - SE Salerno Road
 - SR-5/US-1
 - SW Palm City Road

⁶ MPO Project ID CS-2 from NW Green River Parkway to Confusion Corner.

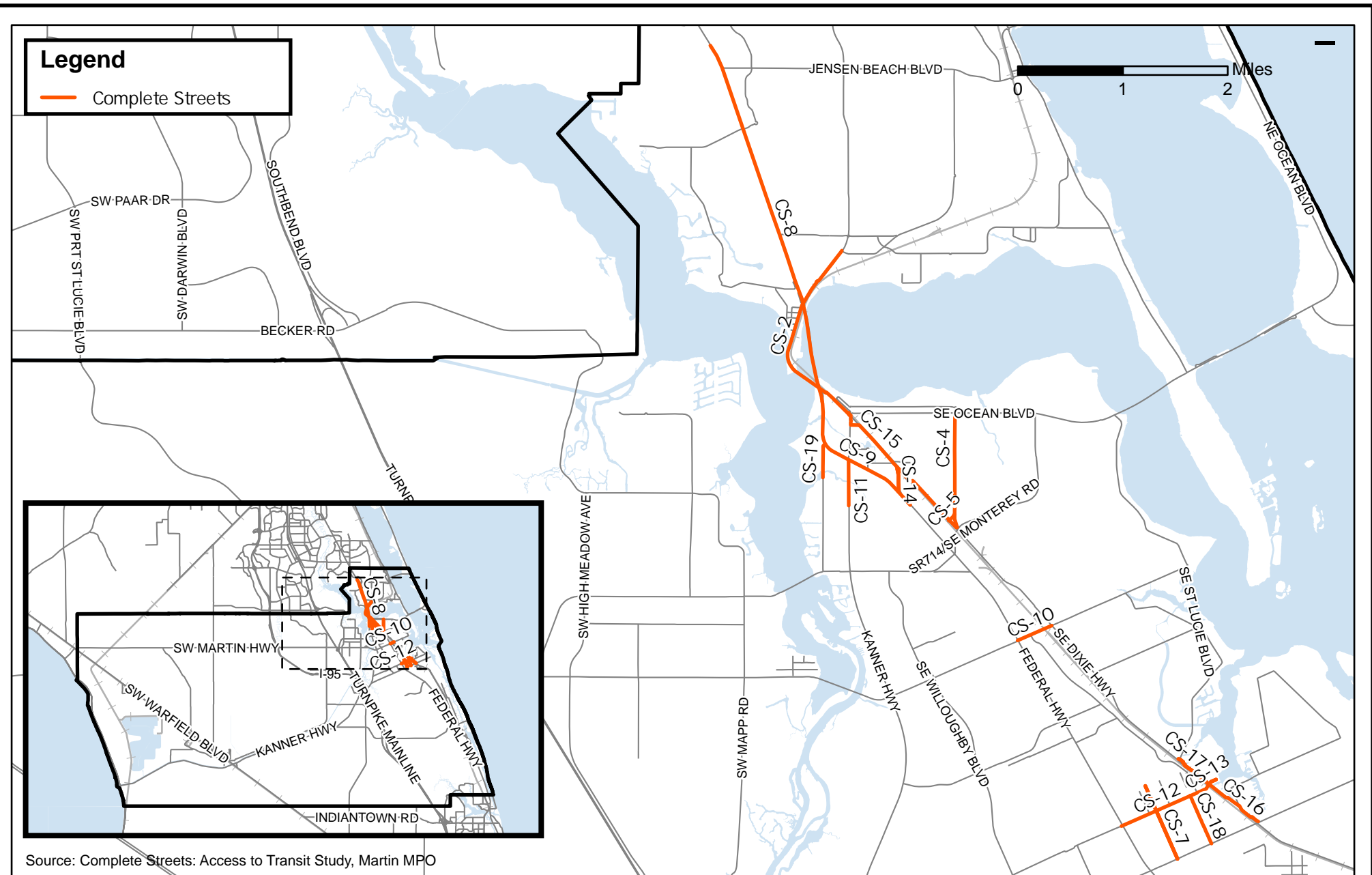


Table 3.8-1. Complete Streets Projects

MPO Project ID Number	Segment ID ¹	Street Name	From	To	Project Description	Length (in miles)	Right-of-Way (ROW) Width (in feet)	Source
CS-2	211	NW Dixie Hwy (SR-707)	NW Green River Pkwy	Confusion Corner	Four 12.5' travel lanes with center turn lane replaced with four 10'-11' travel lanes with landscaped median. Addition of protected bike lanes in both directions. Addition of shade trees & street lights adjacent to bike lanes.	1.98	100	Complete Streets: Access to Transit Study, Martin MPO, June 2020
CS-4	226	SE Palm Beach Rd	SE Ocean Blvd (SR-A1A)	SE Monterey Rd	Addition of raised bike lanes in both directions. Addition of shade trees. Conversion of 5' side walks on both sides to 10' multi-use path on east side & 6' sidewalk on west side. 2' furnishing zones adjacent to sidewalk/paths.	1.09	80	Complete Streets: Access to Transit Study, Martin MPO, June 2020
CS-5	270	SE Christie Way	SE Dixie Hwy	SE Palm Beach Rd	Conversion of 6' side walks on north side to 8' multi-use path. Addition of shade trees and street lights adjacent to existing sidewalk on south side.	0.08	0	Complete Streets: Access to Transit Study, Martin MPO, June 2020
CS-7	286	SE Jack Avenue	Port Salerno Elementary	SE Cove Rd	New curb & gutters. Addition of shade trees & street lights adjacent to new 10' shared use path. Project assumes improvements same as SE Palm City Road (CS-19)	0.76	70	Complete Streets: Access to Transit Study, Martin MPO, June 2020
CS-8	242	SR-5 (US-1)	NW Sunset Blvd	S end of Roosevelt Bridge	Addition of markings for existing bike lanes. Addition of sidewalks, shade trees & street lighting.	3.57	150	Complete Streets: Access to Transit Study, Martin MPO, June 2020
CS-9	341	SR-5 (US-1) ²	SW Joan Jefferson Way	600 feet south of SE Tressler Dr	Resurfacing (FM # 446110.1 - Unfunded)	1.42	150	Complete Streets: Access to Transit Study, Martin MPO, June 2020;
CS-10	137	SE Indian St	SR-5 (US-1)	SE Dixie Hwy (SR-A1A)	Convert 5 lane urban roadway including center turn lane to 4 lane divided facility with separated bike lanes.	0.36	100	Complete Streets: Access to Transit Study, Martin MPO, June 2020;
CS-11	268	S Kanner Hwy (SR- 76) ²	SR-5 (US-1)	SW Manor Dr	Resurfacing (FM # 443995.1 - Unfunded)	0.44	110	Complete Streets: Access to Transit Study, Martin MPO, June 2020;
CS-12	182	SE Salerno Rd	SR-5 (US-1)	SE Dixie Hwy (SR-A1A)	Addition of street lights & landscaping on south side. Conversion of 6' sidewalk with 2' landscape to 8' multi-use path on north side.	0.93	65	Complete Streets: Access to Transit Study, Martin MPO, June 2020
CS-13	311	SE Salerno Rd	SE Dixie Hwy (SR-A1A)	SE De Soto Ave	Project assumes continuation of improvements/cross section between SR 5 (US-1) and SE Dixie Hwy. (CS-12)	0.08	60	Complete Streets: Access to Transit Study, Martin MPO, June 2020
CS-14	267	SE Cutoff Rd	SR-5 (US-1)	SE Dixie Hwy (SR-A1A)	Shared use path on one side. Shade trees and lighting.	0.23	110	Complete Streets: Access to Transit Study, Martin MPO, June 2020

MPO Project ID Number	Segment ID ¹	Street Name	From	To	Project Description	Length (in miles)	Right-of-Way (ROW) Width (in feet)	Source
CS-15	212	SE Dixie Hwy	Confusion Corner	SE Palm Beach Rd	Addition of buffered bike lanes in both directions. Addition of shade trees & bioswales. Addition of sidewalk & street lights.	1.07	90	Complete Streets: Access to Transit Study, Martin MPO, June 2020
CS-16	322	SE Dixie Hwy (SR-A1A)	SE Salerno Rd	SE Cove Rd	New markings along travel lanes and on-street parking lanes. New shade trees. Parklet options available.	0.61	90	Complete Streets: Access to Transit Study, Martin MPO, June 2020
CS-17	325	SE Dixie Hwy (SR-A1A)	Port Salerno CRA (North Boundary)	SE Salerno Rd	Project assumes continuation of improvements/cross section between SE Salerno Road and SE Cove Road. (CS-16)	0.39	90	Complete Streets: Access to Transit Study, Martin MPO, June 2020
CS-18	287	SE Ebbtide Ave	SE Salerno Rd	SE Cove Rd	Addition of buffered bike lanes in both directions. Addition of shade trees & bioswales. Addition of sidewalk & street lights.	0.5	65	Complete Streets: Access to Transit Study, Martin MPO, June 2020
CS-19	130	SW Palm City Rd	SR-5 (US-1)	400 feet north of SW Indian Grove Dr	Two 12' travel lanes become two 11' travel lanes. New curb & gutters. Addition of shade trees & street lights adjacent to new 10' shared use path.	0.33	80	Complete Streets: Access to Transit Study, Martin MPO, June 2020; Martin MPO FY27-FY31 Unfunded Safety Priority List (#4)

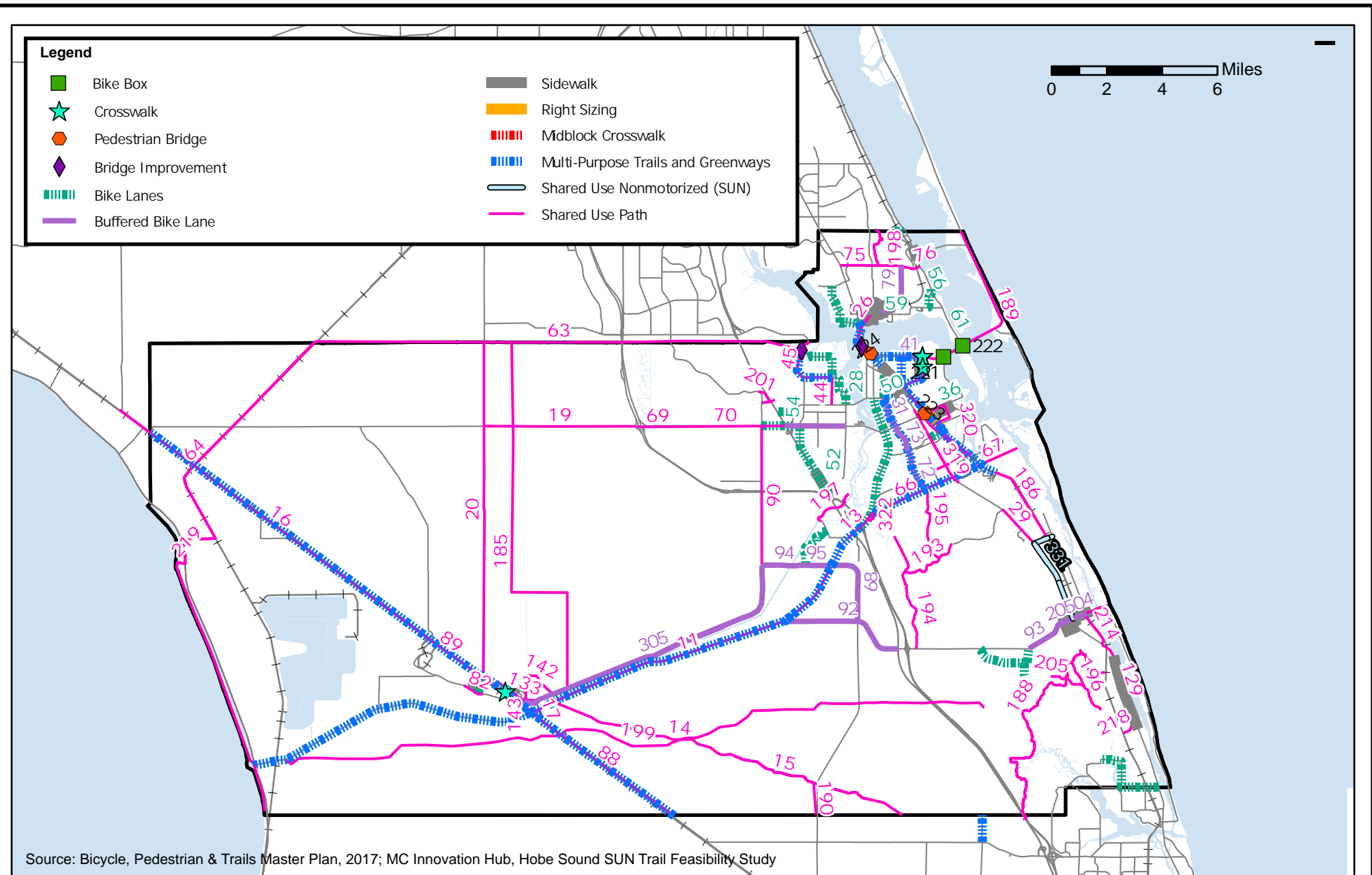
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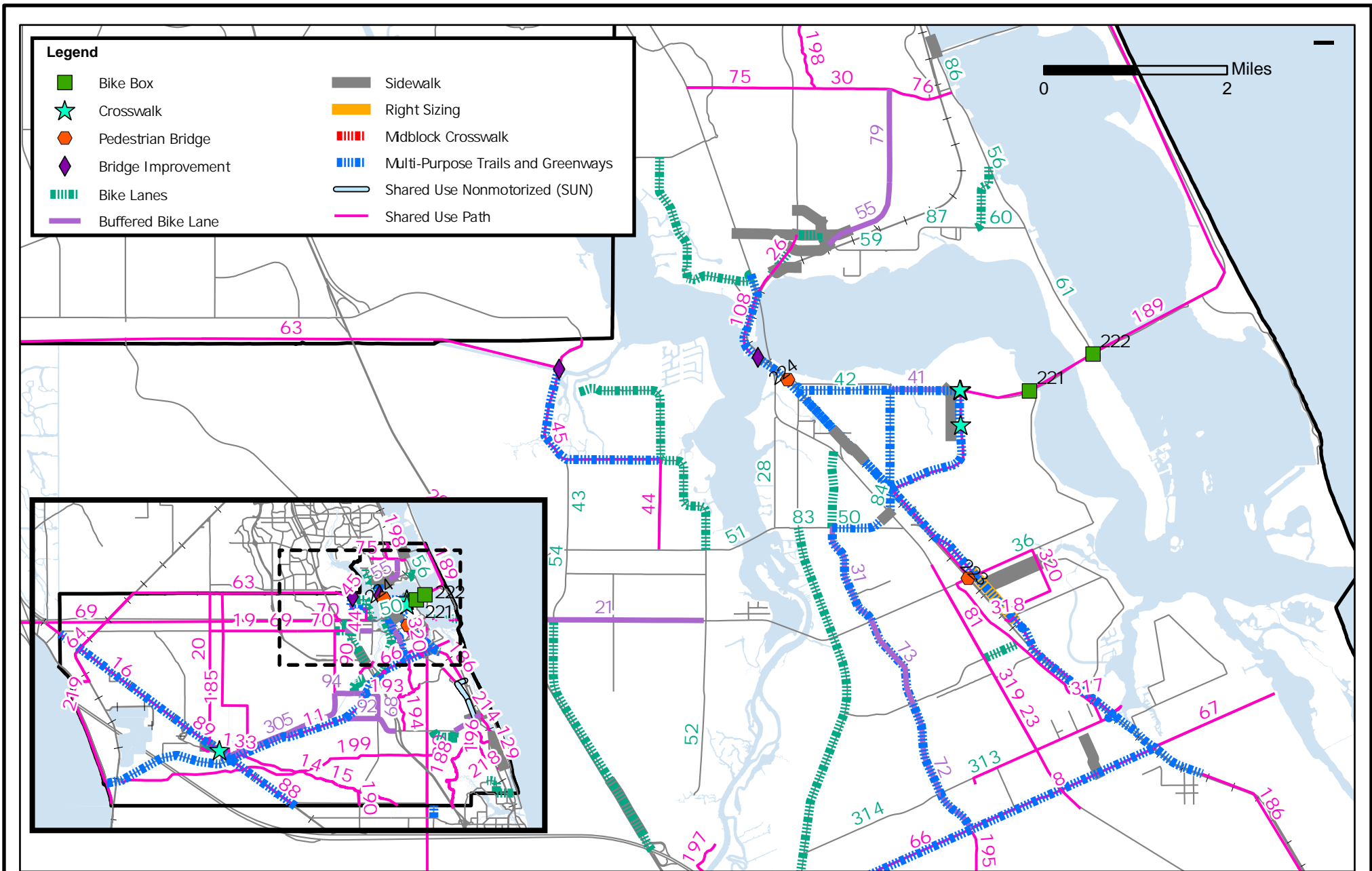
¹ Segment ID cross references projects identified in Martin MPO's Complete Streets: Access to Transit Study, June 2020

3.9. Non-Motorized Improvements

As illustrated in **Figure 3.9-1** and **Figure 3.9-2** in conjunction with **Table 3.9-1**, an extensive network of non-motorized improvement needs was included in the 2050 Needs Plan based on a review of *Hobe Sound North Corridor Shared-Use Nonmotorized (SUN) Trail Feasibility Study*, Martin MPO, September 2023; *Martin-in-Motion 2045 LRTP*, October 2020; and *Bicycle, Pedestrian and Trails Master Plan*, December 2017 as well as input received from Martin MPO's Bicycle and Pedestrian Advisory (BPAC) Committee.

- **Pedestrian Improvements**
 - Approximately 24.3 miles of sidewalks
 - Three (3) pedestrian bridges including one bridge replacement
 - Four (4) midblock crosswalks
- **Bicycle Corridors**
 - Approximately 87.5 miles of bike lanes
 - Approximately 48.7 miles of buffered bike lanes
 - Approximately 14.1 miles of separated or protected bike lanes
 - Two (2) bike boxes
- **Multi-Purpose Trails and Greenways**
 - Approximately 492.2 miles of shared use path
 - Approximately 110.5 miles of multi-purpose trails and greenways
 - Three (3) shared use overpass bridges





Source: Bicycle, Pedestrian & Trails Master Plan, 2017; MC Innovation Hub, Hobe Sound SUN Trail Feasibility Study

Table 3.9-1. Non-Motorized Improvements

MPO Project ID Number	Street Name/Project Name	From	To	Project Description	Length (in miles)	Sides
SIDEWALKS						
145	Anthione Way	Florida Avenue	End	Sidewalk	0.08	2
146	Aurora Way	Florida Avenue	End	Sidewalk	0.08	2
147	Begonia Way	Lantana Avenue	Florida Avenue	Sidewalk	0.13	2
140	Cardinal Avenue	NE Baker Road	Dixie Highway	Sidewalk	0.12	2
191	Cardinal Avenue	NE 15th St	SE Seneca Avenue	Sidewalk	0.14	2
156	Citrus Way	Lantana Avenue	Florida Avenue	Sidewalk	0.13	2
148	Comus Street	Lantana Avenue	End	Sidewalk	0.21	2
220	Crosswalk On SE Monterey Rd At SE Kingswood Terrace	-	-	Midblock Crosswalk	-	1
335	Crosswalk On SE Monterey Rd S Of E Ocean Blvd	-	-	Midblock Crosswalk	-	1
336	Crosswalk On SE Ocean Blvd E Of SE Monterey Rd	-	-	Midblock Crosswalk	-	1
337	Crosswalk On SW Warfield Blvd At SW Jefferson Ave	-	-	Midblock Crosswalk	-	1
343	Dixie Hwy	E 14th St	Dixie Hwy/S Colorado Ave	Sidewalk	0.99	1
231	East Coast Greenway Bridge/NW Dixie Hwy	-	-	Bridge Replacement	-	1
150	Eucalyptus Way	Lantana Avenue	Florida Avenue	Sidewalk	0.13	2
151	Fern Street	Lantana Avenue	Florida Avenue	Sidewalk	0.13	2
152	Florida Avenue	Bridge Road	Comus Street	Sidewalk	0.33	2
160	High Meadow Avenue	Bane Berry Drive	Swallowtrail Way	Sidewalk	0.60	2
58	Indian River Dr	NE Causeway Blvd	1,000 Ft S Of Admiral'S Way	Sidewalk	0.14	2
153	Mars Street	Florida Avenue	US-1/Federal Hwy/SR-5	Sidewalk	0.21	2
20503	SE Monterey Road	Montrey Road Triangle Entrance	US-1/Federal Hwy/SR-5	Sidewalk	0.05	1
25	NE Dixie Hwy	SE Green River Pkwy	NE Cardinal Ave/Savannah Rd	Sidewalk	0.43	2
126	NE Seneca Avenue	NE Cardinal Avenue	NW Greenriver Parkway	Sidewalk	0.29	2
154	Neptune Street	Florida Avenue	US-1/Federal Hwy/SR-5	Sidewalk	0.21	2
158	NW Alice Street	Dixie Highway	Existing Terminus Near Alice Road	Sidewalk	0.27	2
20501	NW Baker Road	Cavendish Ct	US-1/Federal Hwy/SR-5	Sidewalk	0.57	1
155	Psyche Street	Florida Avenue	End	Sidewalk	0.08	1
224	S Dixie Hwy At SW Flagler Ave	-	-	Pedestrian Bridge	-	1
144	SE Alamanda Way	Lantana Avenue	Florida Avenue	Sidewalk	0.13	2
212	SE Bonita Street	SE Birch Avenue	St. Lucie Boulevard	Sidewalk	0.64	2
213	SE Clayton Street	SE Birch Avenue	St. Lucie Boulevard	Sidewalk	0.64	2
149	SE Date Street	Lantana Avenue	Florida Avenue	Sidewalk	0.13	2
300	SE Dixie Hwy	Indian Street	Jefferson St	Right Sizing	0.34	1
20502	SE Dixie Hwy	E 14th St	E Florida Street	Sidewalk/Shared-Use Path	0.4	2
98	US-1/Federal Hwy/SR-5	SE Highborn Way	Jonathan Dickinson State Park Entrance	Sidewalk	3.31	2
128	SE Flamingo Avenue	SE 10th Street	SE Ocean Boulevard	Sidewalk	0.52	2
127	SE Horseshoe Road	SE Anchor Avenue	SE Kubin Avenue	Sidewalk	1.15	2
223	SE Indian St At Railroad Ave	-	-	Pedestrian Bridge	-	1
157	SE Lantana Avenue	Bridge Road	Comus Street	Sidewalk	0.34	2
132	SW Magnolia Street	SW 173rd Avenue	SW 168th Avenue	Sidewalk	0.39	2
BICYCLE CORRIDORS						

MPO Project ID Number	Street Name/Project Name	From	To	Project Description	Length (in miles)	Sides
164	137th Street	Bridge Road	Powerline Avenue	Bike Lanes	1.91	2
165	Baker Road	Green River Parkway	Cardinal Avenue	Bike Lanes	0.28	2
305	Citrus Blvd	SW Warfield Blvd	SW 96th St	Buffered Bike Lane	10.93	2
167	County Line Road	NE Savannah Road	Indian River Road	Bike Lanes	0.40	2
137	Dixie Highway	Green River Parkway	Savannah Road	Bike Lanes	0.43	2
139	Dixie Highway	Wright Blvd	Green River Parkway	Bike Lanes	0.37	2
168	Dixie Highway	Palmer Street	Indian River Drive	Bike Lanes	0.74	2
59	Dixie Hwy	NE Savannah Rd	Seahorse Pl	Bike Lanes	0.97	2
87	Dixie Hwy	Seahorse Pl	NE Palmer St	Bike Lanes	0.86	2
169	Fisherman's Wharf Drive	Pennsylvania Avenue	Yachtsman Drive	Bike Lanes	0.25	2
170	Fork Road	US-1/Federal Hwy/SR-5	Pine Lake Drive	Bike Lanes	0.80	2
43	High Meadow Ave	300ft North of SW Martin Downs Blvd	SW Murphy Rd	Bike Lanes	0.97	2
54	High Meadow Ave	SW Martin Downs Blvd	750ft South of SW Martin Downs Blvd	Bike Lanes	0.79	2
215	High Medow Avenue	Martin Highway	I-95	Bike Lanes	2.81	2
56	Indian River Dr	NE Palmer St	NE Jensen Beach Blvd	Bike Lanes	1.69	2
57	Indian River Dr	NE Causeway Blvd	County Line Rd	Bike Lanes	0.93	2
86	Indian River Dr	NE Jensen Beach Blvd	NE Causeway Blvd	Bike Lanes	0.45	2
36	Indian St	SE Dixie Hwy	SE St Lucie Blvd	Bike Lane	0.77	1
210	Kanner Highway	Lost River	Monterey Road	Bike Lanes	5.15	1
171	Kitchen Creek	138th Street	Jonathan Dickson State Park Path	Bike Lanes	0.49	2
52	Mapp Rd	SW Silver Wolf Dr	NW Martin Hwy	Bike Lanes	2.50	2
172	Mapp Road	Hidden River Avenue	Martin Downs Boulevard	Bike Lanes	2.98	2
173	Market Place	US-1/Federal Hwy/SR-5	Commerce Avenue	Bike Lanes	0.40	2
216	Martin Highway	SW Citrus Boulevard	Florida Turnpike	Bike Lanes	1.12	2
21	Martin Hwy	Florida's Turnpike	SW Mapp Rd	Buffered Bike Lane	2.17	2
174	MLK, Jr Drive	Farm Road	Warfield Boulevard	Bike Lanes	0.72	2
51	Monterey Rd/Palm City Bridge	SW Mapp Rd	SW Palm City Rd	Bike Lane	0.80	1
141	NE Dixie Highway	NE Baker Road	NW Dixie Highway	Bike Lanes	0.12	2
60	Palmer St	NE Dixie Hwy	NE Indian River Dr	Bike Lanes	0.53	2
175	Pennsylvania Avenue	96th Street/CR 711	Fisherman's Wharf Drive	Bike Lanes	0.55	2
176	Pine Lake Drive	Fork Road	Britt Road	Bike Lanes	1.40	2
177	Powerline Avenue	138th Street	Bridge Road	Bike Lanes	0.52	2
68	Pratt Whitney Rd	SW Bridge Rd	SW Kanner Hwy	Buffered Bike Lane	2.81	2
313	Salerno Rd	SE Willoughby Blvd	US-1/Federal Hwy/SR-5	Bike Lane	1.12	1
314	Salerno Rd	Kanner Hwy	SE Willoughby Blvd	Bike Lanes	1.65	2
178	Sand Trail	Sand Avenue	Martin Downs Boulevard	Bike Lanes	0.63	2
55	Savannah Rd	NE Cardinal Ave	NE Pinelake Village Blvd	Buffered Bike Lane	1.05	1
79	Savannah Rd	NE Pinelake Village Blvd	NE Jensen Beach Blvd	Buffered Bike Lane	1.02	1
92	SE Bridge Rd	SW Kanner Hwy	Florida's Turnpike	Separated Bike Lane (North Side)	4.63	2
93	SE Bridge Rd	Powerline Ave	Gomez Avenue	Separated Bike Lane (North Side)	2.42	2
20504	SE Bridge Rd	US-1/Federal Hwy/SR-5	Gomez Avenue	Buffered Bike Lane	2.42	2
180	SE County Line Road	SE Girl Scout Camp	US-1/Federal Hwy/SR-5	Bike Lanes	3.00	2
50	SE Monterey Rd	SE Willoughby Blvd	US-1/Federal Hwy/SR-5	Bike Lanes	0.69	2

MPO Project ID Number	Street Name/Project Name	From	To	Project Description	Length (in miles)	Sides
83	SE Monterey Rd	SW Palm City Rd	SE Willoughby Blvd	Bike Lanes	0.64	2
84	SE Monterey Rd	US-1/Federal Hwy/SR-5	East Of SE Dixie Hwy	Bike Lanes	0.31	2
41	SE Ocean Blvd	SE Palm Beach Rd	SE Martins Ave	Buffered Bike Lane	0.57	2
42	SE Ocean Blvd	S Colorado Ave	SE Palm Beach Rd	Bike Lane	0.98	2
221	SE Ocean Blvd	At SE St Lucie Blvd	-	Bike Box	-	1
222	SE Ocean Blvd	At N Sewalls Point Rd	-	Bike Box	-	1
61	Sewalls Point Rd	SE Ocean Blvd	NE Palmer St	Bike Lanes	1.56	2
181	St. George Street	Yachtsman Drive	Locks Road	Bike Lanes	0.19	2
94	SW 96th St	SW Citrus Blvd	SW Pennsylvania Ave	Buffered Bike Lane	1.58	2
95	SW 96th St	SW Pennsylvania Ave	SW Kanner Hwy	Buffered Bike Lane	0.95	2
182	SW Adams Avenue	SW Palm Way	SW 150th Street	Bike Lanes	0.32	2
39	SW Farm Rd	SW 169th Ave	Railroad Ave	Bike Lanes	1.00	2
28	SW Palm City Rd	SW Monterey Rd	US-1/Federal Hwy/SR-5	Bike Lanes	1.21	2
31	Willoughby Blvd	SE Indian St	SE Monterey Rd	Buffered Bike Lane	1.16	1
72	Willoughby Blvd	SE Cove Rd	SE Pomeroy St	Buffered Bike Lane	1.56	1
73	Willoughby Blvd	SE Pomeroy St	SE Indian St	Buffered Bike Lane	1.03	1
217	Willoughby Boulevard	Monterey Road	US-1/Federal Hwy/SR-5	Bike Lanes	0.84	2
184	Yachtsman Drive	Fisherman's Wharf Drive	St. George Street	Bike Lanes	0.84	2
MULTI-PURPOSE TRAILS AND GREENWAYS						
X-1	Atlantic Ridge Preserve State Park Trail	-	-	Shared Use Path	6.59	2
193	Atlantic Ridge Trail Corridor - E/W Connector	Halpatiokee Park	Thru Atlantic Ridge to Seabbranch Blvd	Shared Use Path	2.42	2
195	Atlantic Ridge Trail Corridor - East	Cove Road	Thru Atlantic Ridge State Park to SE Seabbranch Blvd	Shared Use Path	2.76	2
194	Atlantic Ridge Trail Corridor - West	Halpatiokee Park	Thru Atlantic Ridge and Whiteworth Farms to Bridge Road	Shared Use Path	3.04	2
204	Atlantic Ridge Trail Corridor - West	Halpatiokee Park	south to Atlantic Ridge Trail E/W Connector #93	Shared Use Path	1.47	2
16	Bee Line Trail	SW Fox Brown Rd	SE 128th Ave	Shared Use Path	13.98	2
88	Bee Line Trail	Unnamed Rd	SW Kanner Hwy	Shared Use Path	6.40	2
89	Bee Line Trail	SW Kanner Hwy	SW Fox Brown Rd	Shared Use Path	4.66	2
63	C-23 Canal Trail	-	-	Shared Use Path	17.62	2
64	C-23 Canal Trail To Okeechobee Scenic Trail	-	-	Shared Use Path	11.73	2
185	C-44 Trail	Beeline Highway Corridor	St. Lucie County Line	Shared Use Path	15.08	2
90	Citrus Blvd	SW 96Th St	SW Martin Hwy	Shared Use Path	5.00	2
201	Citrus Grove Elementary Tunnel	Sand Avenue	SW Newfield Parkway via Turnpike Underpass	Shared Use Path	0.66	2
65	Citrus Grove Elementary Connection	SW Citrus Blvd	SW Mallard Creek Trail	Shared Use Path	0.50	2
346	Commerce Ave Greenway	SE Salerno Rd	SE Indian St	Shared Use Path	2.2	1
111	Cross-County Trail 1	Kanner Highway	SE Dixie Highway	Multi-Purpose Trails and Greenways	5.15	1+2
330	Cross-County Trail 1	SR-710/Warfield Blvd	SR 9/I-95	Multi-Purpose Trails and Greenways	14.00	2
117	Cross-County Trail 2	SW Matheson Ave	County Line Canal	Multi-Purpose Trails and Greenways	3.11	2

MPO Project ID Number	Street Name/Project Name	From	To	Project Description	Length (in miles)	Sides
118	Cross-County Trail 2X	Alhambra Ave	SE Dixie Hwy	Shared Use Path	0.93	2
186	Dixie Highway/East Coast Greenway	SE Bridge Road	St. Lucie County Line	Shared Use Path	3.33	2
125	East Coast Greenway - Alternate 1	SE Monterey Rd	SE Ocean Blvd	Multi-Purpose Trails and Greenways	1.09	2
107	East Coast Greenway - Alternate 2	SE Dixie Hwy	SE Ocean Blvd	Multi-Purpose Trails and Greenways	3.40	1
109	East Coast Greenway - Main	SR 714/Monterey Rd	SE 5th St	Multi-Purpose Trails and Greenways	1.58	2
323	East Coast Greenway - Main	SE Grafton Ave	NW Wright Blvd	Multi-Purpose Trails and Greenways	4.68	2
124	East Coast Greenway - Willoughby Connector	SE Cove Rd	US-1/Federal Hwy/SR-5	Multi-Purpose Trails and Greenways	4.58	2
218	East Coast Greenway (thru Jonathan Dickson Park)	US-1/Federal Hwy/SR-5	Old Dixie Hwy	Shared Use Path	0.64	2
23	US-1/Federal Hwy/SR-5	SE Salerno Rd	SE Pomeroy St	Shared Use Path	1.15	2
81	US-1/Federal Hwy/SR-5	SE Pomeroy St	SE Indian St	Shared Use Path	0.87	2
319	US-1/Federal Hwy/SR-6	MC Innovation Hub		Shared Use Path	3.50	1
129	US-1/Federal Hwy/SR-5	Sand Road	Dixie Highway	Shared Use Path	3.20	1
321	Gaines Ave	SW Lost River Rd	SE Paulson Ave	Shared Use Path	0.29	1
322	Gaines Ave	SE Paulson Ave	SE Cove Rd	Shared Use Path	0.11	1
14	Historic Jupiter Indiantown Trail	Kanner Hwy	County Lin	Shared Use Path	8.17	2
326	Hobe Sound SUN Trail 2	SE Gomez Ave	CR-A1A/Dixie Hwy	Shared Use Nonmotorized (SUN)	0.19	1
327	Hobe Sound SUN Trail 3	CR-A1A/Dixie Highway	US-1/Federal Hwy/SR-5	Shared Use Nonmotorized (SUN)	0.51	1
331	Hobe Sound SUN Trail 4	CR-708/Bridge Road	SE Osprey Street	Shared Use Nonmotorized (SUN)	3.08	1
15	Hungryland Wildlife And Environmental Area Trail	-	-	Shared Use Path	5.44	2
142	Indian Mound Trail	Citrus Boulevard	Citrus Boulevard via Canal, American Street, Indian Mound Drive	Shared Use Path	1.28	2
143	Indian Mound Trail	Citrus Boulevard	Citrus Boulevard via Canal, American Street, Indian Mound Drive	Shared Use Path	0.99	2
30	Jensen Beach Blvd	SE Green River Pkwy	NE Savannah Rd	Shared Use Path	1.05	2
75	Jensen Beach Blvd	US-1/Federal Hwy/SR-5	SE Green River Pkwy	Shared Use Path	1.16	2
76	Jensen Beach Blvd	NE Savannah Rd	NE Indian River Dr	Shared Use Path	0.71	2
436735-3	Jonathan Dickinson State Park-Flap Grant for Trail	-	-	Bike Path/Trail	1.71	1
196	Jonathan Dickson State Park Trail	Flamingo Terminus	Thru Jonathan Dickson State Park	Shared Use Path	2.75	2
11	Kanner Hwy	SW Warfield Blvd	SW 96Th St	Shared Use Path	12.45	1
13	Kanner Hwy	SW Jack James Dr	SE Cove Rd	Shared Use Path	0.83	1
91	Kanner Hwy	Locks Rd	SW Jack James Dr	Shared Use Path	1.56	1
338	Kanner Hwy	US-98	SR-710	Multi-Purpose Trails and Greenways	10.70	1
X-2	Lake Okeechobee Scenic Trail	-	-	Multi-Purpose Trails and Greenways	1.89	1
219	Lake Okeechobee Scenic Trail	Palm Beach County Line	St. Lucie County Line	Shared Use Path	21.30	2
199	Martin - East/West Corridor	US 98	Jonathan Dickson State Park	Shared Use Path	26.31	2
320	MC Innovation Hub Bike/Ped Loop	Dixie Hwy		Shared Use Path	5.00	1

MPO Project ID Number	Street Name/Project Name	From	To	Project Description	Length (in miles)	Sides
45	Murphy Rd	SE Mapp Rd	Martin/St. Lucie County Line	Shared Use Path	2.90	2
134	New Route	SW Indianwood Circle	SW Osceola Street	Shared Use Path	0.14	2
197	New Route	Locks Road	Over Canal to Mapp Road	Shared Use Path	1.79	2
205	New Route	Flora Avenue Terminus	Thru Jonathan Dickson State Park	Shared Use Path	1.39	2
316	New Route over railroad	Indian St	Indian St	Shared-Use Overpass Bridge	0.10	1
317	New Route over railroad, canal, and Dixie Hwy	Commerce Ave	Dixie Hwy	Shared-Use Overpass Bridge	0.10	1
318	New Route over railroad, canal, and Dixie Hwy	Miami Ave	Jefferson St	Shared-Use Overpass Bridge	0.10	1
26	NW Dixie Hwy	NW Wright Blvd	NE Baker Rd	Shared Use Path	0.52	2
108	NW Dixie Hwy	Speedy Point	NW Wright Blvd	Shared Use Path	0.93	1
188	Ocean To Lake Trail Corridor	Palm Beach County Line	FEC	Shared Use Path	11.44	2
214	Old Dixie Highway	US-1/Federal Hwy/SR-5	Bridge Road	Shared Use Path	1.32	2
190	Pratt & Whitney Trail Corridor	Palm Beach County Line	Old Jupiter Road	Shared Use Path	1.15	2
198	Savannah State Park Trail	Jensen Beach Boulevard	Thru Savannah State Park to St. Lucie County Line	Shared Use Path	1.74	2
49	SE Bridge Rd	SE Dixie Hwy	S Beach Rd	Shared Use Path	0.92	2
8	SE Cove Rd	SE Willoughby Blvd	SE Dixie Hwy	Shared Use Path	2.18	1
66	SE Cove Rd	Kanner Hwy	SE Willoughby Blvd	Shared Use Path	2.16	1
67	SE Cove Rd	SE Dixie Hwy	Cove Road Park	Shared Use Path	1.46	2
29	US-1/Federal Hwy/SR-5	SE Seabbranch Blvd	2,000 Ft N Of Dharlys St	Shared Use Path	2.60	2
20	SW Allapattah Rd	SW Warfield Blvd	SW Martin Hwy	Shared Use Path	12.06	2
131	SW Famel Avenue	Marina (End)	SW Farm Road	Shared Use Path	0.65	2
82	SW Farm Rd	SW Andalusia Ct	SW 169th Ave	Shared Use Path	0.77	2
17	SW Indiantown Ave	SW Warfield Blvd	SW Kanner Hwy	Shared Use Path	0.42	2
19	SW Martin Hwy	SW Allapattah Rd	I-95	Shared Use Path	5.49	2
69	SW Martin Hwy	I-95	84th Ave	Shared Use Path	1.52	2
70	SW Martin Hwy	84th Ave	Florida's Turnpike	Shared Use Path	3.82	2
44	SW Matheson Ave	SW Martin Downs Blvd	SW Murphy Rd	Shared Use Path	0.98	2
133	SW Osceola Street	SW Warfield Boulevard	Citrus Boulevard	Shared Use Path	1.72	2
189	Treasure Coast Loop Trail Corridor (see others)	Ocean Boulevard/A1A	St. Lucie County Line	Shared Use Path	8.47	1
329	West Palm - Okeechobee Trail	Palm Beach/Martin County Line	Martin/Okeechobee County Line	Multi-Purpose Trails and Greenways	23.85	1

Notes

Projects X-1 and X-2 are not mapped.

3.10. Infrastructure Hardening

Based on a review of FDOT's *Resiliency Action Plan* and Martin MPO's *Transportation Network Resiliency Study, December 2022*, a total of eight (8) corridors were identified for infrastructure hardening (or resiliency improvements) including one overlapping roadway segment along Dixie Highway. These improvements include Sea Level Rise (SLR) adaptation projects, roadway stabilization and drainage improvements as summarized below as shown in **Figure 3.10-1** and **Table 3.10-1**.

- **Two SLR Adaptation Projects (9.3 miles)**
 - N Sewalls Point Road
 - Dixie Highway
- **Two Roadway or Bridge Approach Stabilization (2.7 miles)**
 - SR-A1A
 - CR-707 (Bridge #890003)
- **Two Drainage Improvement Projects (4.1 miles)**
 - SR-76/Kanner Highway
 - SR-A1A
- **Specific Improvements TBD (0.3 mile)**
 - SE MacArthur Boulevard

Table 3.10-1. Infrastructure Hardening Improvements

MPO Project ID Number	Project Name	Street Name	From	To	Project Description	Length (in miles)	Source	Improvement Type
V1	N Sewalls Point Road ¹	N Sewalls Point Road ¹	SR-A1A (NE Ocean Boulevard)	SE Palmer Street	Coastal protection, elevate road, resize drainage, divert stormwaters	1.57	Transportation Network Resiliency Study, 2022	SLR Adaptation
V2	SE MacArthur Boulevard	SE MacArthur Boulevard	SE South Marina Way	Approximately 1500 feet North		0.28	2045 LRTP	TDB
V3	Dixie Highway	Dixie Highway	Grafton Avenue	Wright Boulevard	Enhance stormwater infrastructure, add green infrastructure	7.74	Transportation Network Resiliency Study, 2022	SLR Adaptation
V4	Dixie Highway	Dixie Highway	Cove Road	Jefferson Street	Elevate road, coastal protection, bridge rehab and protection	2.12	Transportation Network Resiliency Study, 2022	SLR Adaptation
V5	SR A1A	SR A1A	NE Shore Village Terrace	SR-732/Jensen Beach Causeway	Roadway or bridge approach stabilization, Medium Tier	2.34	FDOT Resilience Action Plan	Roadway or bridge approach stabilization
V6	SR-76/Kanner Hwy	SR-76/Kanner Hwy	South of Indian Street	Monterey Road	Drainage Improvements, Medium Tier	1.32	FDOT Resilience Action Plan	Drainage Improvements
V7	SR-A1A	SR-A1A	Colusa Court	SR-732/Jensen Beach Causeway	Drainage Improvements, Medium Tier	2.81	FDOT Resilience Action Plan	Drainage Improvements
V8	CR-707	CR-707	Bridge #890003		Roadway or bridge approach stabilization	0.37	FDOT Resilience Action Plan	Roadway or bridge approach stabilization

Notes
Project ID V4 is a segment of Project ID V3.

3.11. Waterborne Transportation

Waterborne transportation needs were identified based on *Martin and St. Lucie Regional Waterways Plan*, *Martin MPO*, *December 2014*. The following specific projects and water taxi services were included in the 2050 Needs Plan (**Figure 3.11-1** and **Table 3.11-1**).

- **Water Taxi Service**
 - Sandsprit Park to St. Lucie Preserve State Park
 - Seasonal and/or Special Events/Festivals around key nodes
 - Stuart/Palm City
 - Port Salerno/Manatee Pocket
 - Stuart/Jensen/Rio
- **Water based transportation feasibility study** to investigate the viability of water taxi services including routes, connectivity, operating plan, evaluate infrastructure improvement needs as well as develop initial concept plans and update rough order of magnitude capital and operating costs.

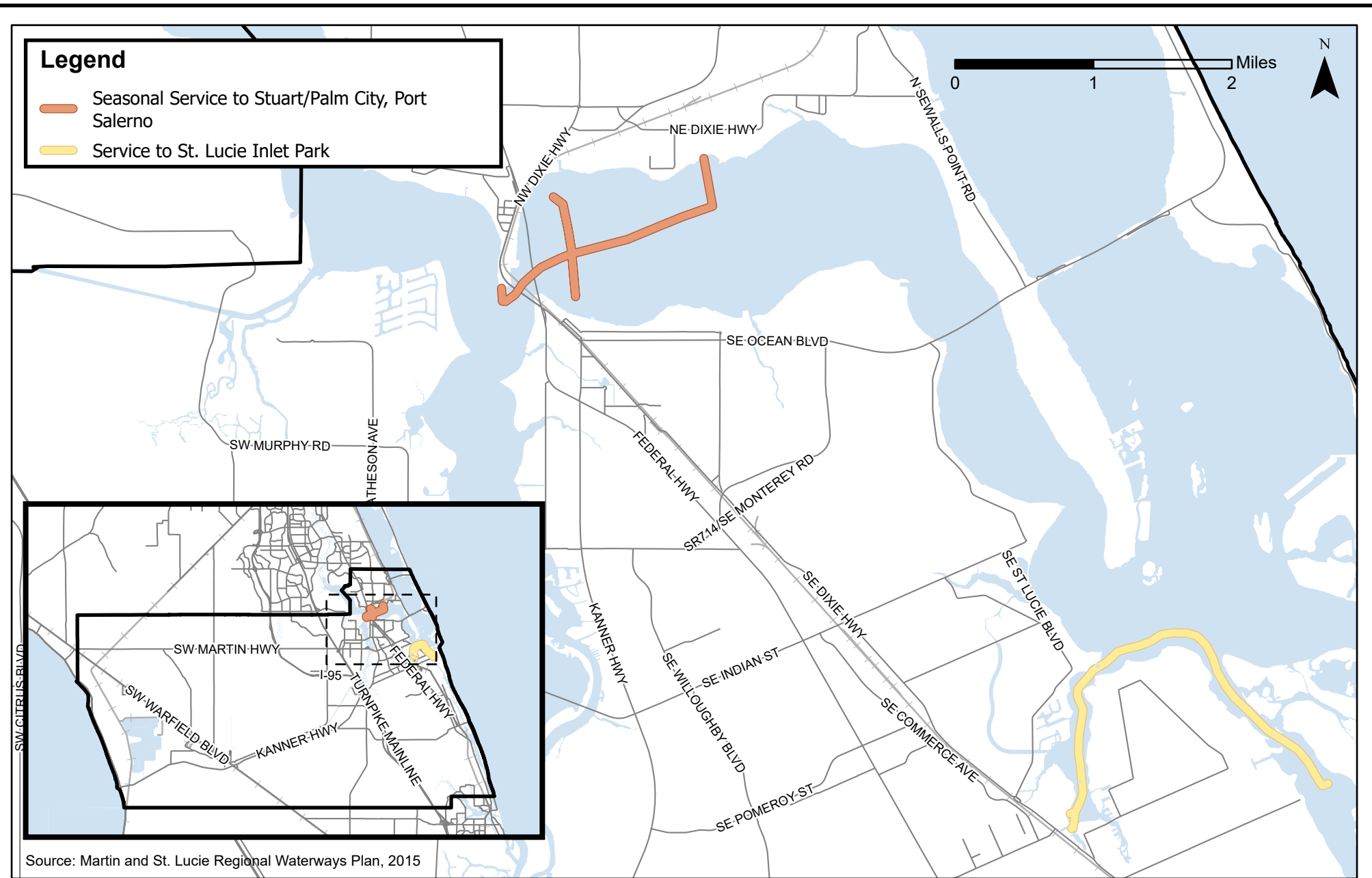


Table 3.11-1. Water borne Transportation

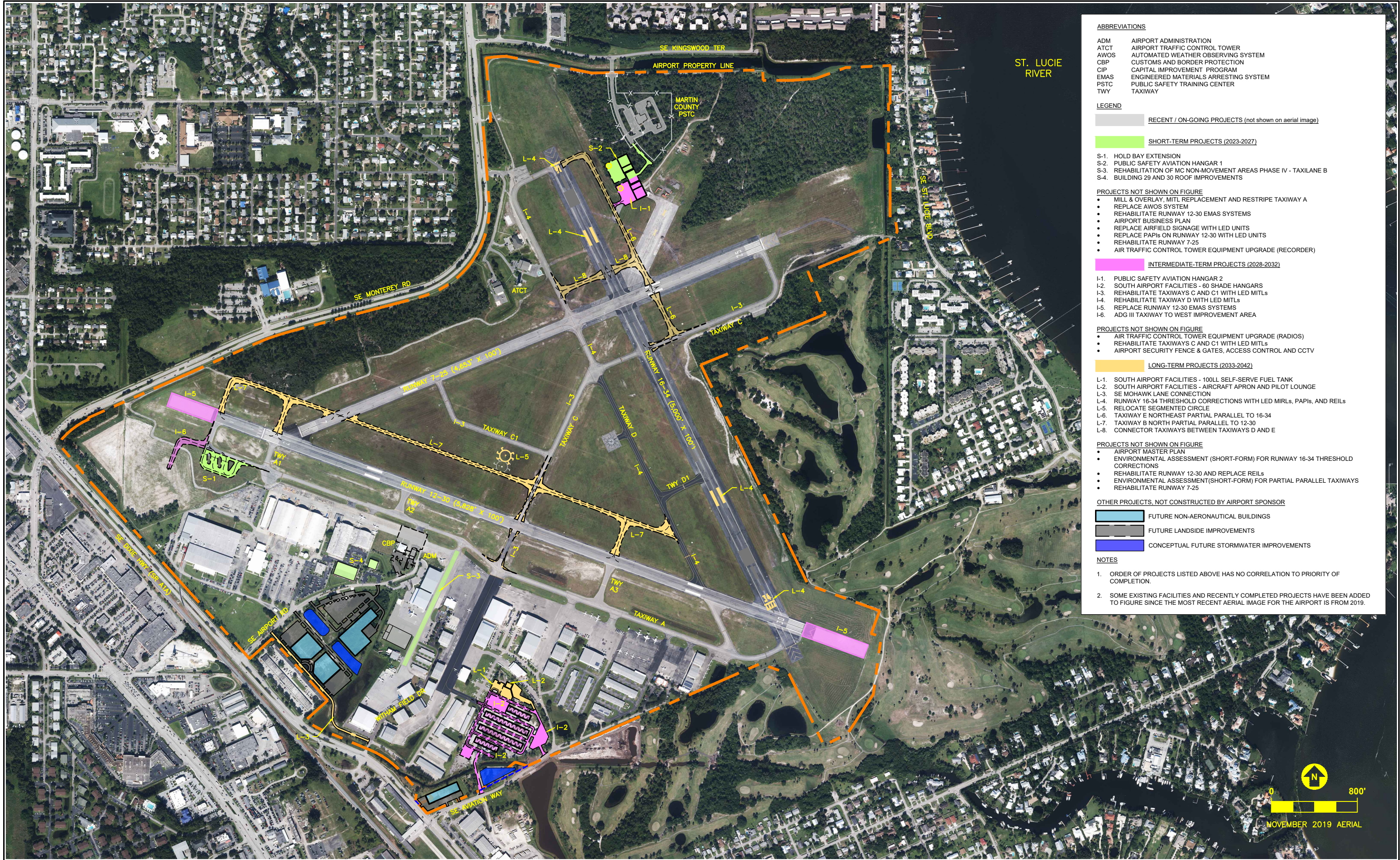
MPO Project ID Number	Project Name	From	To	Project Description	Improvement Type	Comments
n/a	Water based Transportation Feasibility Study	Martin County	-	Countywide Study	Feasibility Study	Martin and St. Lucie Regional Waterways Plan, 2015; Chapter 3, pg. 3-49
W-1	Water taxi service to St. Lucie Inlet State Park	Sandsprit Park	St. Lucie Inlet Preserve	From Sandsprit Park or potentially Pirate's Cove Marina or Fish Market or Restaurant(s) stop at Manatee Pocket	Water Taxi Service	Martin and St. Lucie Regional Waterways Plan, 2015; Chapter 3, pg. 3-23 to 3-34
W-2	Water taxi service (seasonal or for waterfront special events and festivals only)	around key nodes such as Stuart/Palm City, Port Salerno/Manatee Pocket, Stuart/Jensen/Rio	-	Potential routes include Stuart Floating Dock to Harborage Marina, Harborage Marina to Sunset Bay Marina, Stuart Floating Dock to Stuart Harbor/Rio Town Center, Sandsprit Park to Pirate's Cove Marina/Fish Market Restaurants	Water Taxi Service	Martin and St. Lucie Regional Waterways Plan, 2015; Chapter 3, pg. 3-23 to 3-34

3.12. Aviation

Consistent with the *Witham Field Airport Master Plan, August 2023*, the 2050 Needs Plan includes the 49 capital improvement projects to be implemented over a period of 20 years. **Figure 3.12-1** borrowed from the Master Plan shows short-, intermediate-, and long-term aviation projects. These projects are listed in **Table 3.12-1**.

- **Capital Improvements**
 - 16 Short-Term Projects, 2023-2027
 - 13 Intermediate-Term Projects, 2028-2032
 - 20 Long-Term Projects, 2033-2042
- **Funding Sources: FAA, FDOT and Local**
 - 26 Projects, FY26-FY30
 - Six (6) Projects, FY31-FY35
 - 12 Projects, FY26-FY40
 - Five (5) Projects, FY41-FY50

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Source: ESA, 2023.

Aviation Projects

Figure 3.12-1

Witham Field Master Plan
FIGURE 8-1
CAPITAL IMPROVEMENT PROGRAM

Table 3.12-1. Aviation Projects

MPO Project ID Number ¹	Project Description
-	Replace AWOS System (Design & Construct)
-	Rehabilitate Runway 12-30 EMAS Systems
-	Airport Business Plan
S-4	Building 29 and 30 Roof Improvements
S-1	Hold Bay Extension (Design)
S-3	Rehabilitation of MC Non-Movement Areas Phase IV - Taxilane B (Design)
-	Replace Airfield Signage with LED Units (Design)
S-1	Hold Bay Extension (Construct)
S-3	Rehabilitation of MC Non-Movement Areas Phase IV - Taxilane B (Construct)
-	Replace Airfield Signage with LED Units (Construct)
-	Replace PAPIs on Runway 12-30 with LED Units (Design)
-	Replace PAPIs on Runway 12-30 with LED Units (Construct)
S-2	S-2 Public Safety Aviation Hangar 1
-	Rehabilitate Runway 7-25 (Construct)
-	Air Traffic Control Tower Equipment Upgrade (Recorder)
-	Environmental Assessment (Short-Form) for South Airport Facilities
I-1	Public Safety Aviation Hangar 2
I-2	South Airport Facilities - Infrastructure (Design & Construct)
none	Air Traffic Control Tower Equipment Upgrade (Radios)
I-3	Rehabilitate Taxiways C and C1 with LED MITLs (Design)
none	Airport Security Fence & Gates, Access Control and CCTV
I-2	South Airport Facilities - 60 Shade Hangars (Design & Construct)
I-5	Financial Feasibility & Categorical Exclusion for Replacing Runway 12-30 EMAS Systems

MPO Project ID Number¹	Project Description
I-3	Rehabilitate Taxiways C and C1 with LED MITLs (Construct)
I-5	Replace Runway 12-30 EMAS Systems (Design)
I-4	Rehabilitate Taxiway D with LED MITLs (Design)
I-4	Rehabilitate Taxiway D with LED MITLs (Construct)
I-5	Replace Runway 12-30 EMAS Systems (Construct)
I-6	ADG III Access Taxiway To West Improvement Area (Design & Construct)
L-1	South Airport Facilities - 100LL Self-Serve Fuel Tank (Design & Construct)
L-2	South Airport Facilities - Aircraft Apron and Pilot Lounge (Design & Construct)
L-3	SE Mohawk Lane Connection (Design & Construct)
None	Airport Master Plan
L-4	Environmental Assessment (Short-Form) for Runway 16-34 Threshold Corrections
L-4	Runway 16-34 Threshold Corrections with LED MIRLs, PAPIs, and REILs (Design & Construct)
none	Rehabilitate Runway 12-30 and Replace REILs (Design)
none	Rehabilitate Runway 12-30 and Replace REILs (Construct)
L-6	Environmental Assessment (Short-Form) for Taxiway E Northeast Partial Parallel to 16-34
L-6	Taxiway E Northeast Partial Parallel to 16-34 (Design)
L-5	Relocate Segmented Circle (Design & Construct)
L-7	Environmental Assessment (Short-Form) for North Partial Parallel Taxiway B
L-6	Taxiway E Northeast Partial Parallel to 16-34 (Construct)
L-7	Taxiway B North Partial Parallel to 12-30 (Design)
L-8	Environmental Assessment (Short-Form) for Connector Taxiways Between Taxiways D and E
L-7	Taxiway B North Partial Parallel to 12-30 (Construct)
L-8	Connector Taxiways Between Taxiways D and E (Design)
none	Rehabilitate Runway 7-25 (Design)

MPO Project ID Number ¹	Project Description
L-8	Connector Taxiways Between Taxiways D and E (Construct)
none	Rehabilitate Runway 7-25 (Construct)

Source: Witham Field Airport Master Plan, August 2023

Notes

¹ The MPO Project Identification (ID) Number corresponds to the ID number included in Figure 8-1 Capital Improvement Program and Tables 8-2, 8-3 and 8-4, Whitham Field Airport Master Plan.

4. NEXT STEPS

The information in this technical memorandum (TM 7) will serve as the foundation for developing projects costs, prioritizing projects and developing the 2050 Cost Feasible Plan (CFP) that meets the goals and objectives established for *Martin Moves 2050* at the outset of the LRTP process and accomplishes the community's vision for transportation system in Martin County.

Appendix -1
Key Stakeholder Interviews & Survey Analysis
Findings

Martin County 2050 LRTP Key Stakeholder Interviews Summary, January – May, 2025

1. Key Transportation Challenges

- Congestion along SR-710, US-1, Turnpike, SR-714
- Mismatch between growth and infrastructure (Indiantown/Palm City)
- Underutilized transit system (Marty), regional pass-through traffic
- Freight and safety issues (truck speed on SR-710)

2. Transportation Investment Priorities

- Commuter rail & train service (Tri-Rail, Brightline, Amtrak in Indiantown)
- Corridor improvements (SR-710 widening, US-1 congestion relief, new Turnpike interchange, Willoughby Rd extension)
- Transit enhancements (microtransit, Marty expansion)
- Regional connections to St. Lucie, Palm Beach, Okeechobee Counties
- ITS and technology (smart corridors, first/last mile options)

3. Strategic Investments

- New Turnpike + I-95 connector
- Transit hubs and terminals (e.g., Tradition in St. Lucie)
- Pilot projects (Tri-Rail extension, microtransit)
- Transit-supportive infrastructure (bicycle, pedestrian)

4. New Funding Opportunities

- New sources proposed: Mobility fees from new development
- Indexed gas tax, parking fees
- User fees or contributions from FPL
- Congestion pricing

5. Ideal Transportation System – “Vision”

- Multimodal and connected network (rail, bus, bikeways, Transportation Network Companies (TNCs) integration)
- Localized service (communities like Indiantown, Palm City)
- Smaller, flexible transit vehicles
- Hubs at county lines, improved first/last mile connections

Martin MPO 2050 Long Range Transportation Plan (LRTP)

1. What are the key transportation challenges and opportunities facing Martin County?

2. Identify top three to five priorities for improving transportation throughout the County and/or Treasure Coast Region?

3. Are there any strategic transportation investments that you would like the 2050 LRTP to address?

4. Share your thoughts on potential new funding sources that could help implement mobility, safety, and resiliency projects.

5. In your opinion, what would an ideal transportation system in Martin County would look like?

2050 Long Range Transportation Plan

Survey Results

April 18, 2025

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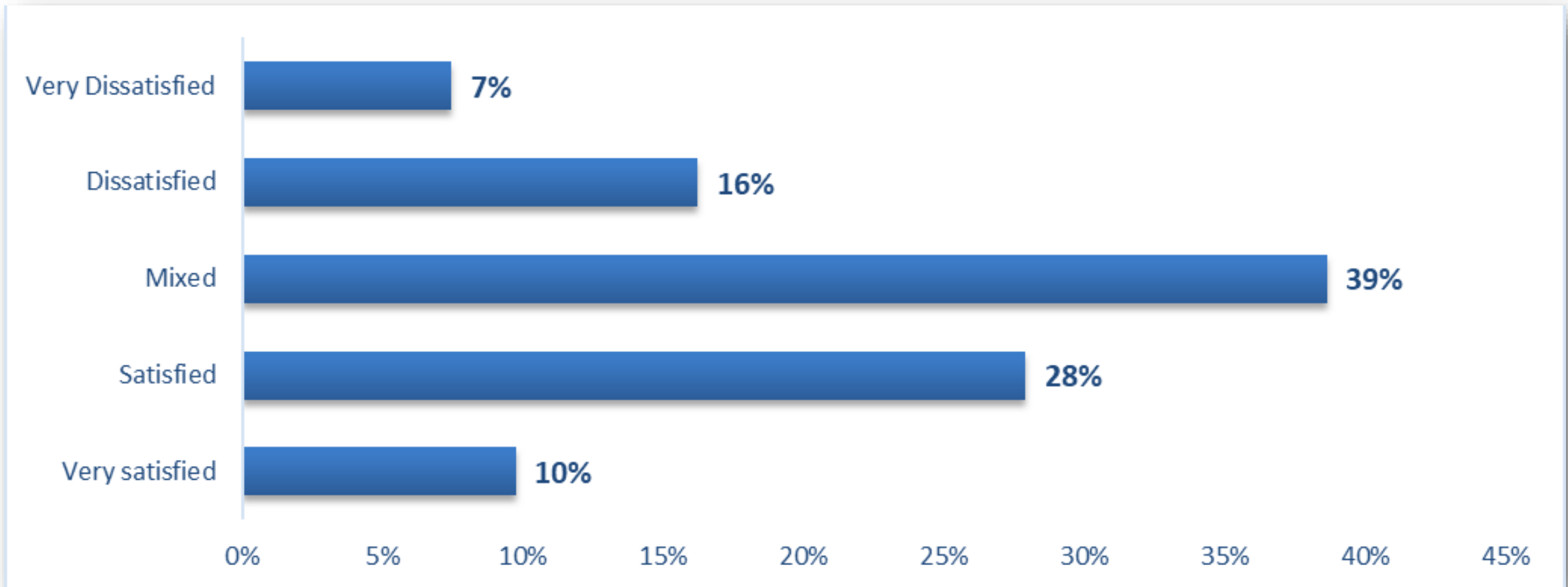


Survey

- Received 300+ completed surveys
- Administered through multiple channels of communication
 - Visioning sessions/open house
 - Project webpage
 - Business cards
 - Multiple events, such as Martin CARES, Jammin Jensen, bike/ped safety campaigns
- 10 questions related to transportation issues and solutions
- Ensure consistency with previous LRTPs while incorporate emerging trends

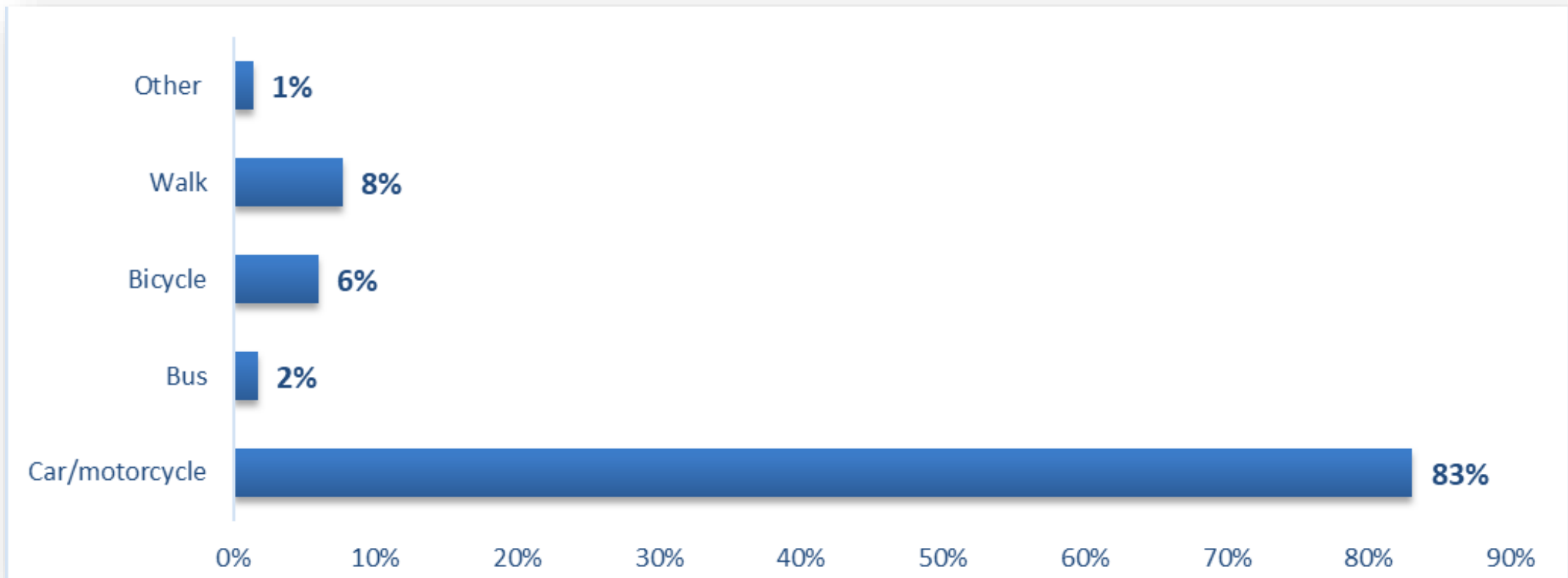
Survey Results

Q1. How satisfied are you with the current transportation system in Martin County?



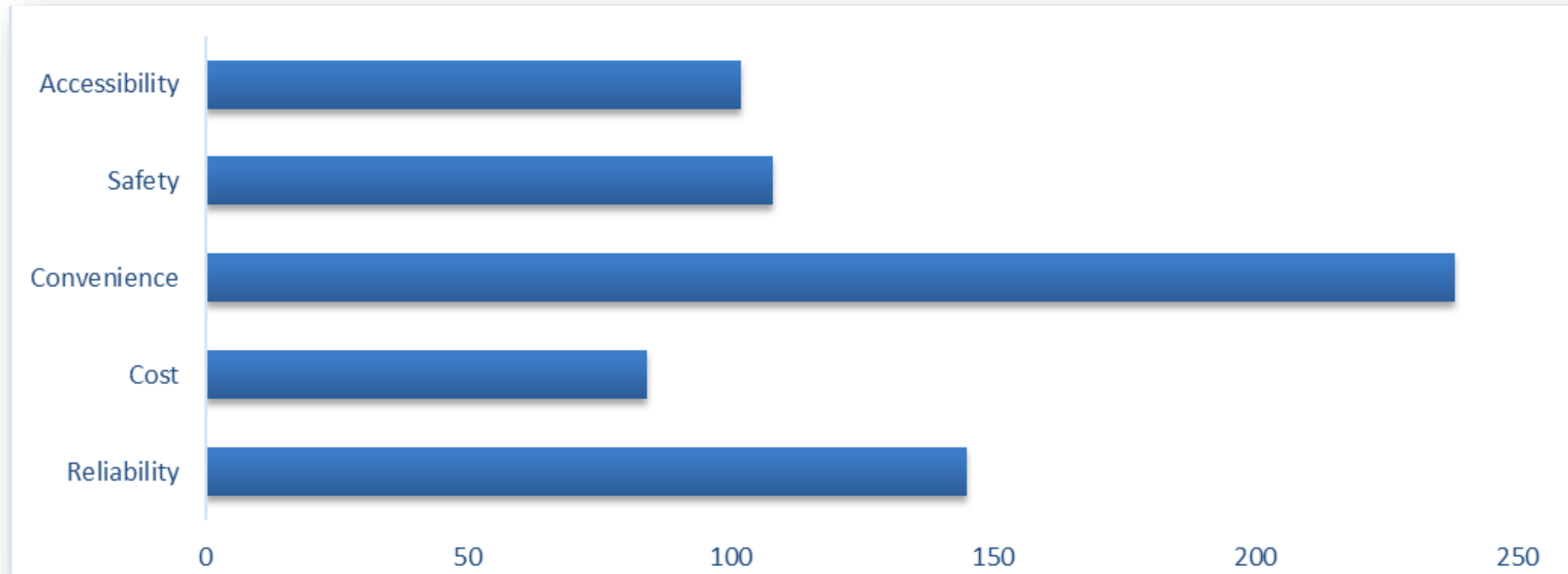
Survey Results

Q2. What is your primary mode of transportation?



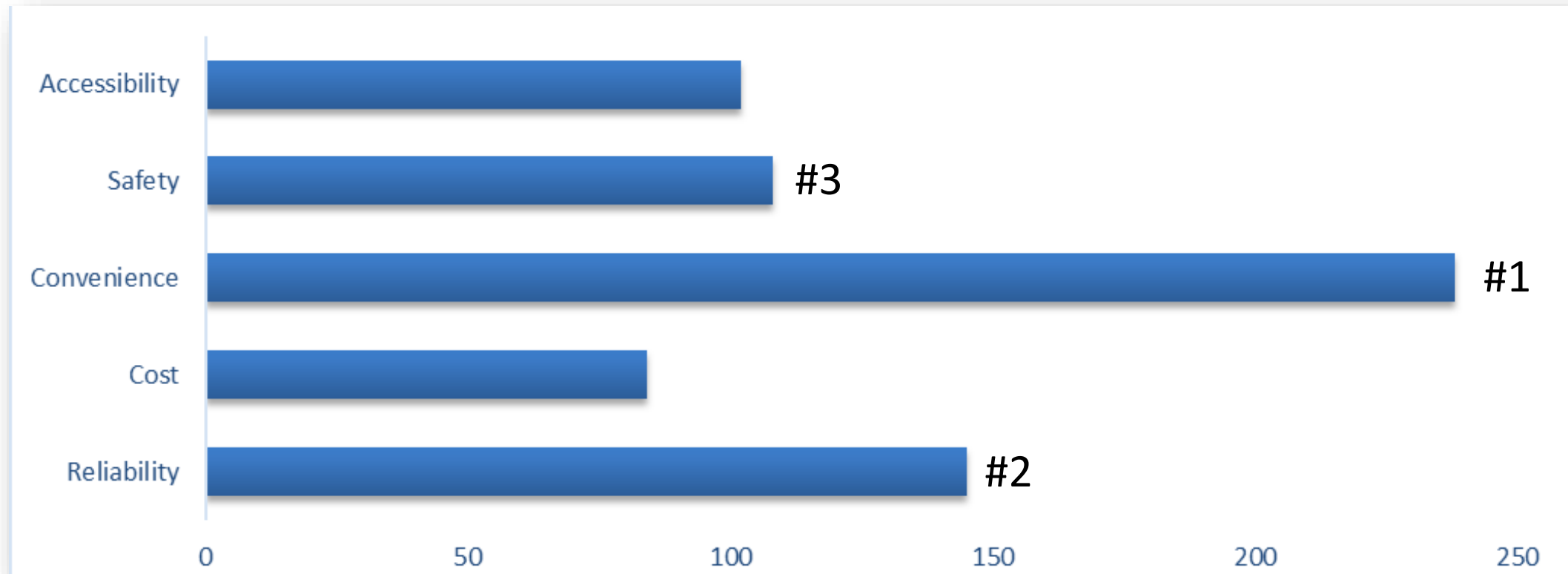
Survey Results

Q3. What factors influence your primary choice of transportation?



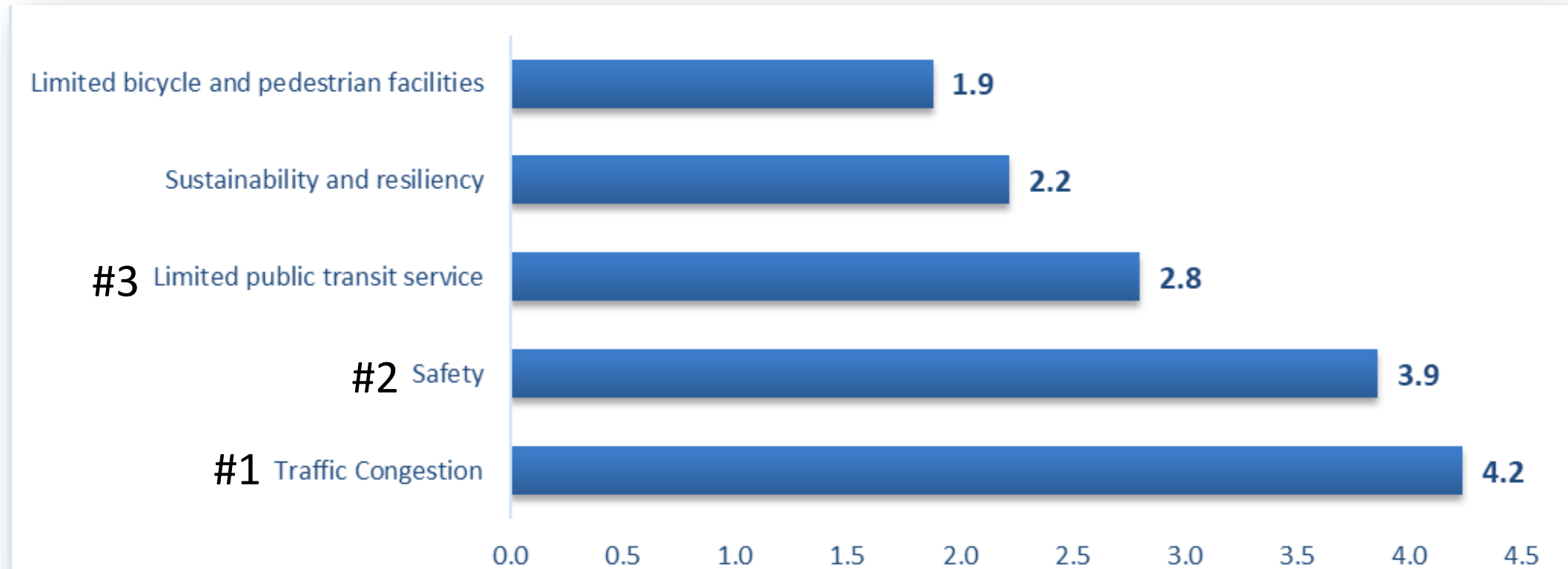
Survey Results

Q3. What factors influence your primary choice of transportation?



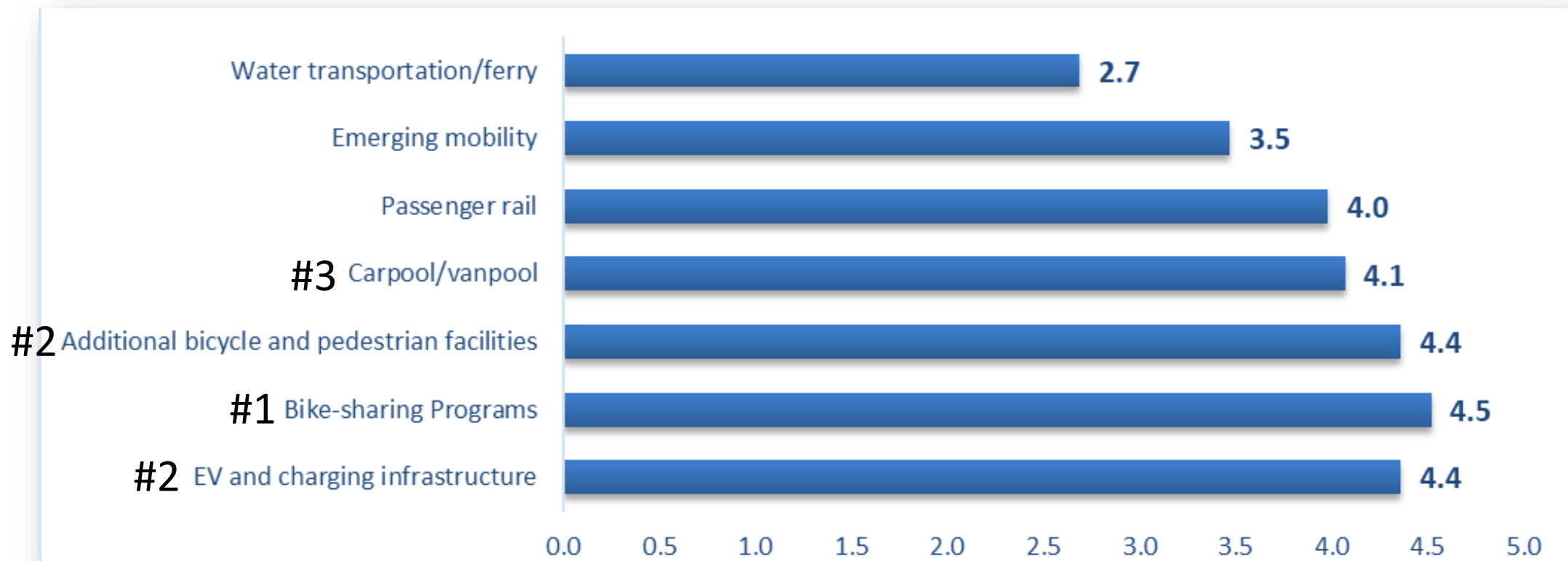
Survey Results

Q4. What are the top transportation issues in Martin County?



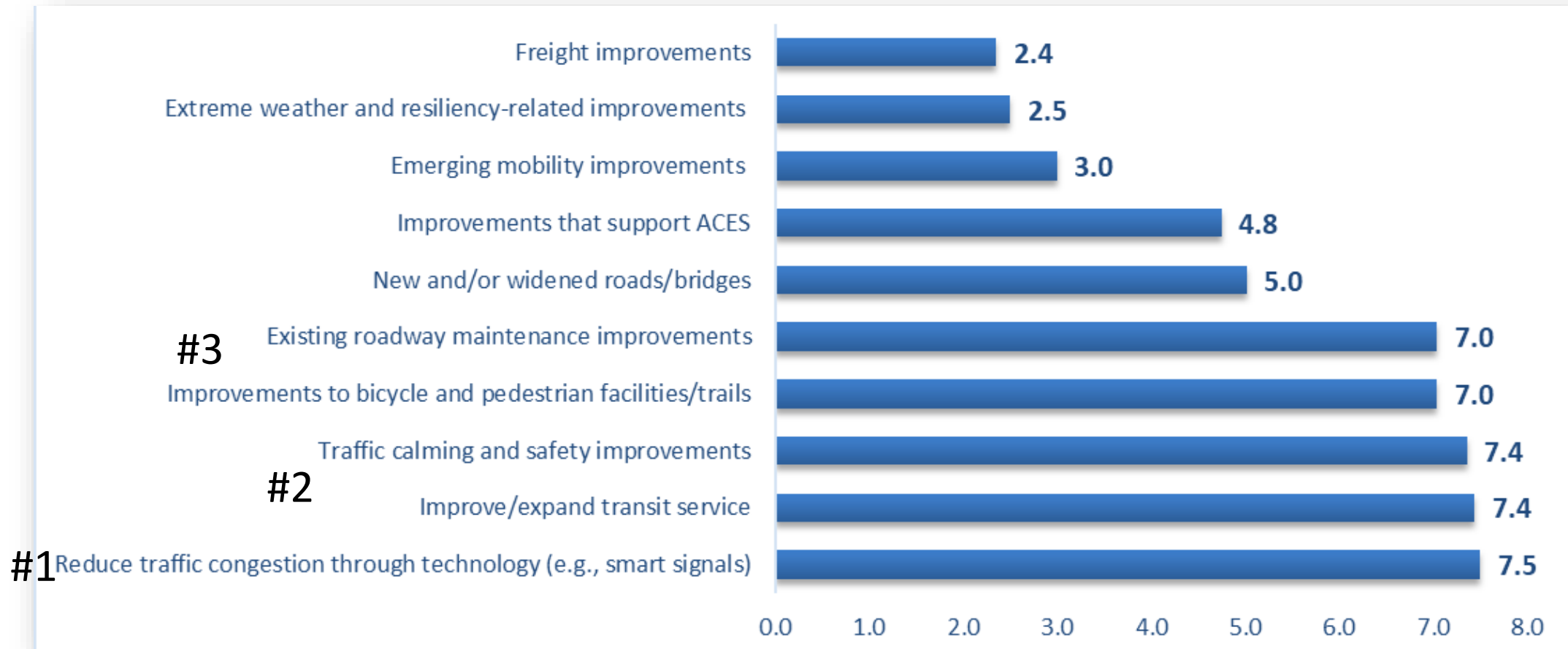
Survey Results

Q5. Which options for alternative transportation would you be most interested in seeing expanded or introduced in Martin County?



Survey Results

Q6. Q6. How would you prioritize the following improvements?



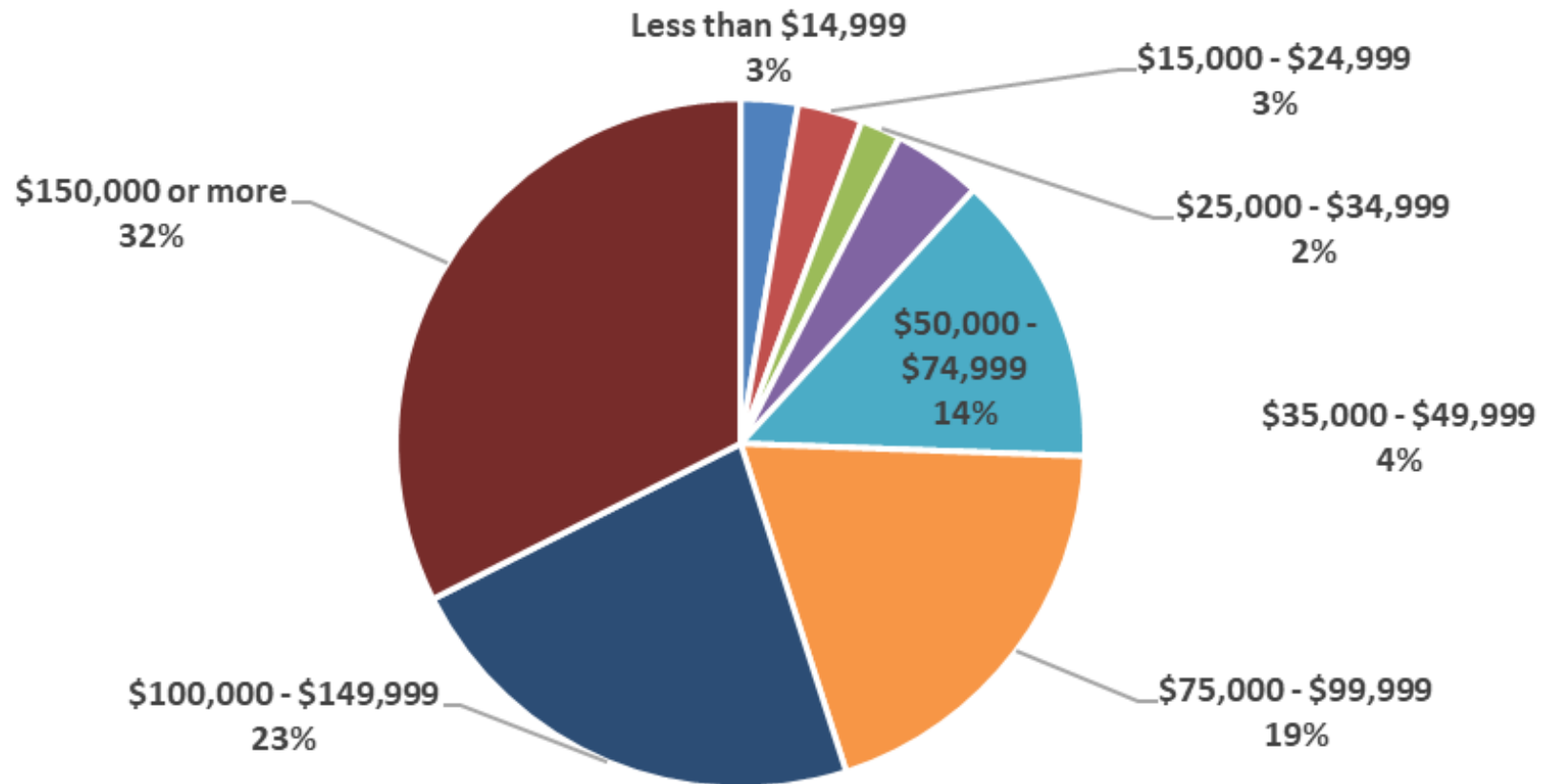
Survey Results

Q7. Which zip code do you live in?



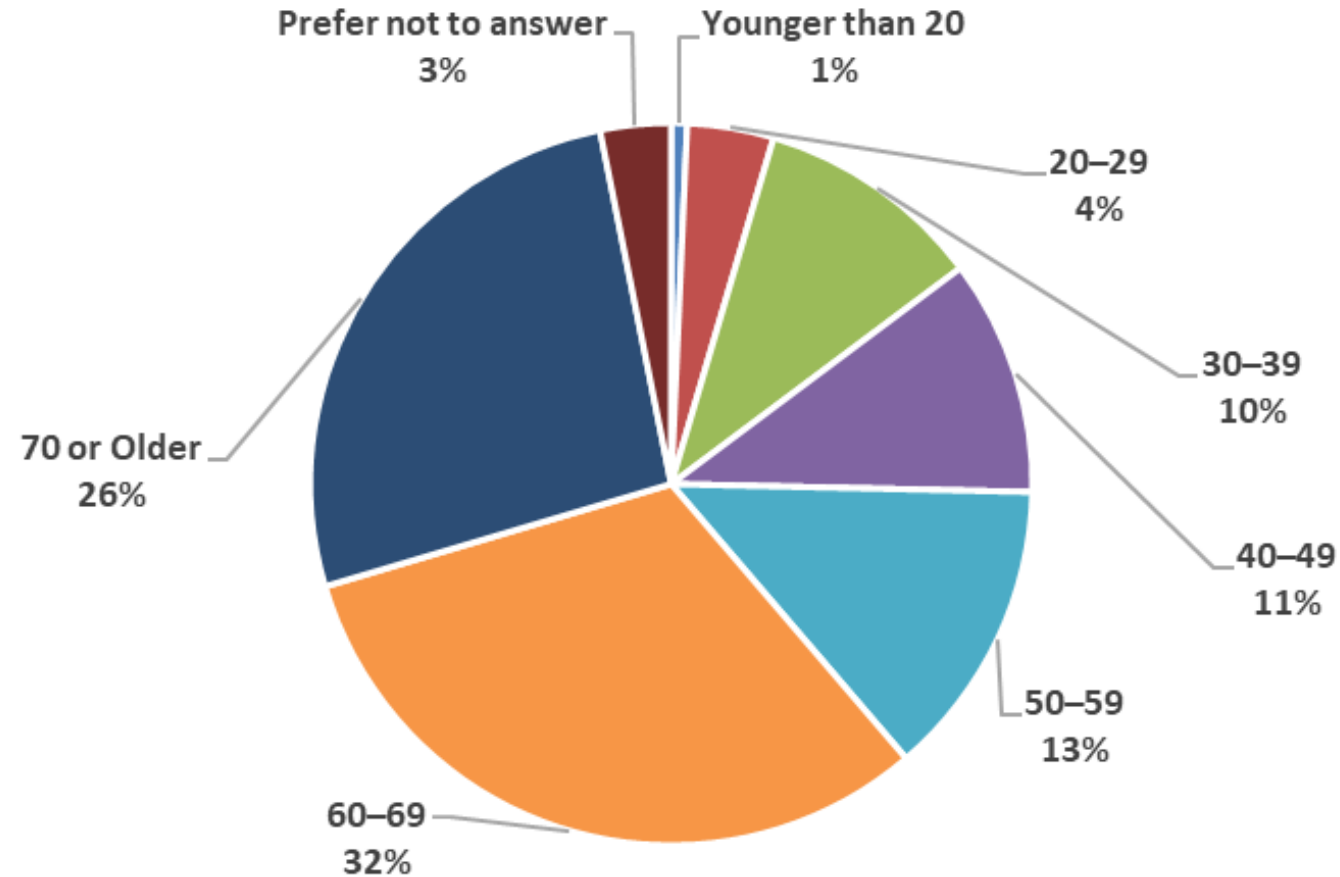
Survey Results

Q8. What is your household income?



Survey Results

Q9. What is your age?



Survey Results

Q10. Do you have additional suggestions that the Martin MPO should consider for the 2050 LRTP?

- **Traffic concerns:** Numerous requests for improved traffic light coordination, congestion mitigation, and calming measures.
- **Growth:** Concerns about overdevelopment, urban sprawl, and strain on infrastructure.
- **Public transit & Brightline:** Opinions on Brightline are highly polarized—some strongly oppose it due to cost and perceived inefficacy, while others want a local station added in Stuart or nearby.
- **Water-based transportation:** Support for expanding water taxi access and enhancing navigability for tourism and commerce.
- **Bridge improvements:** Need for the FEC Railroad drawbridge replacement or upgrades.
- **Environmental preservation:** Support for protection of green space and tree planting, and eco-friendly transit like EV infrastructure and greenways.

Survey Results

Summary of Open-Ended Responses

1. Roadway Infrastructure & Maintenance

- Strong emphasis on maintaining existing roads over new construction.
- Bridge Road, Monterey Rd, and Murphy Road were flagged for congestion, poor planning, or safety hazards.
- Suggestions to widen Martin Hwy, install turn lanes, and improve signalization, especially at high-traffic intersections like Bridge Rd & US-1.

2. Traffic Safety

- Need for enforcing traffic laws, including speeding, red light running, and aggressive driving.
- Requests for traffic light cameras, increased police presence, and safety testing for older drivers.

3. Public Transit System (Marty)

- Desire for more routes to key areas (e.g., beaches, shopping centers, industrial parks).
- Suggestions for loop bus systems in urban centers and smaller buses due to low occupancy.
- Need for enhanced services for medical needs and senior mobility.

4. Equity & Affordability

- Concerns that planning caters only to luxury development.
- Support for affordable housing integration with transportation planning.
- Need to address needs of low-income and disabled residents.

5. Sustainability & Livability

- Opposition to overdevelopment and overcrowding, especially along US-1.
- Criticism of new subdivisions without supporting infrastructure.
- Support for tree-lined boulevards, green buffers, and protected bike lanes.
- Need for non-auto-oriented development like ebikes, golf carts, trolleys, and walkability.

6. Brightline & Rail Controversy

- Sharp division in views on Brightline: some want stations in Stuart, Fairgrounds, or Hobe Sound.
- Others criticize it as costly, unnecessary, and disruptive to communities.
- Noise and environmental concerns also mentioned.

Thank You

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Martin MPO 2050 Long Range Transportation Plan (LRTP) Survey

Q1. How satisfied are you with the current transportation system in Martin County?

- ☐ Very Satisfied
- ☐ Satisfied
- ☐ Mixed
- ☐ Dissatisfied
- ☐ Very Dissatisfied

Q2. What is your primary mode of transportation?

- ☐ Car/motorcycle
- ☐ Bus
- ☐ Bicycle
- ☐ Walk
- ☐ Other (scooter, e-bike, mobility device/wheelchair)

Q3. What factors influence your primary choice of transportation? (Choose all that apply)

- ☐ Cost
- ☐ Reliability
- ☐ Convenience
- ☐ Safety
- ☐ Accessibility

Q4. What are the top transportation issues in Martin County? Please rank the following choices. (1 = Most Critical to 5 = Least Critical)

- ☐ Safety
- ☐ Traffic congestion
- ☐ Limited public transit service
- ☐ Sustainability and resiliency
- ☐ Limited bicycle and pedestrian facilities

Q5. Which alternative transportation options would you be most interested in seeing expanded or introduced in Martin County? Please rank the following choices by order of interest. (1 = Most interested to 7 = Least interested).

- ☐ Electric vehicles and charging infrastructure
- ☐ Bike-sharing programs
- ☐ Carpool/vanpool
- ☐ Additional bicycle and pedestrian facilities
- ☐ Emerging mobility (electric scooters, e-bikes, microtransit, shared-use vehicles)
- ☐ Passenger rail
- ☐ Water Transportation/Ferry

**Q6. How would you prioritize the following improvements? Please rank your priorities in order of importance.
(1 = Highest Priority to 10 = Lowest Priority)**

- ☐ Improve/expand transit service
- ☐ Improvements to bicycle and pedestrian facilities/trails
- ☐ Traffic calming and safety improvements
- ☐ Existing roadway maintenance improvements
- ☐ Reduce traffic congestion through technology improvements, such as smart signals
- ☐ Improvements that support Automated, Connected, Electric and Shared-Use vehicles
- ☐ New and/or widened roads/bridges
- ☐ Emerging mobility improvements (electric scooters, e-bikes, scooter/bike share programs, shared-use vehicles)
- ☐ Freight improvements
- ☐ Extreme weather and resiliency-related improvements

Q7. What is your zip code? _____

Q8. What is your household income range?

- ☐ Less than \$14,999
- ☐ \$15,000 - \$24,999
- ☐ \$25,000 - \$34,999
- ☐ \$35,000 - \$49,999
- ☐ \$50,000 - \$74,999
- ☐ \$75,000 – \$99,999
- ☐ \$100,000 - \$149,999
- ☐ \$150,000 or more

Q9. What is your age?

- ☐ Younger than 20
- ☐ 20-29
- ☐ 30-39
- ☐ 40-49
- ☐ 50-59
- ☐ 60-69
- ☐ 70 or older
- ☐ Prefer not to answer

Q10. Do you have additional suggestions that Martin MPO should consider for the 2050 LRTP?



Encuesta del Plan de Transporte de Largo Alcance (LRTP) de Martin MPO 2050

Pregunta 1 ¿Qué tan satisfecho está con el sistema de transporte actual en el condado de Martin?

- ☐ Muy satisfecho
- ☐ Satisfecho
- ☐ Mixto
- ☐ Insatisfecho
- ☐ Muy insatisfecho

Pregunta 2 ¿Cuál es su principal medio de transporte?

- ☐ Carro/moto
- ☐ Autobús
- ☐ Bicicleta
- ☐ Caminar
- ☐ Otros (scooter, bicicleta eléctrica, dispositivo de movilidad/silla de ruedas)

Pregunta 3 ¿Qué factores influyen en su elección principal de transporte? (Elija todas las que correspondan)

- ☐ Costo
- ☐ Fiabilidad
- ☐ Conveniencia
- ☐ Seguridad
- ☐ Accesibilidad

Pregunta 4 ¿Cuáles son los principales problemas de transporte en el condado de Martin? Por favor, clasifique las siguientes opciones. (1 = Más crítico a 5 = Menos crítico)

- ☐ Seguridad
- ☐ Congestión del tráfico
- ☐ Servicio de transporte público limitado
- ☐ Sostenibilidad y resiliencia
- ☐ Instalaciones limitadas para bicicletas y peatones

Pregunta 5 ¿Qué opciones de transporte alternativo le interesaría más ver ampliadas o introducidas en el condado de Martin? Por favor, clasifique las siguientes opciones por orden de interés. (1 = Más interesado a 7 = Menos interesado).

- ☐ Vehículos eléctricos e infraestructura de carga
- ☐ Programas de bicicletas compartidas
- ☐ Viajes compartidos/furgonetas compartidas
- ☐ Instalaciones adicionales para bicicletas y peatones
- ☐ Movilidad emergente (patinetes eléctricos, bicicletas eléctricas, microtránsito, vehículos de uso compartido)
- ☐ Ferrocarril de pasajeros
- ☐ Transporte Acuático/Ferry

Pregunta 6 ¿Cómo priorizaría las siguientes mejoras? Por favor, clasifique sus prioridades en orden de importancia. (1 = prioridad más alta a 10 = prioridad más baja)

- ☐ Mejorar/ampliar el servicio de tránsito
- ☐ Mejoras a las instalaciones/senderos para bicicletas y peatones
- ☐ Calmado del tráfico y mejoras de seguridad
- ☐ Mejoras en el mantenimiento de carreteras existentes
- ☐ Reducir la congestión del tráfico a través de mejoras tecnológicas, como señales inteligentes
- ☐ Mejoras que soportan vehículos automatizados, conectados, eléctricos y de uso compartido
- ☐ Carreteras/puentes nuevos y/o ensanchados
- ☐ Mejoras emergentes en la movilidad (patinetes eléctricos, bicicletas eléctricas, programas de scooters/bicicletas compartidas, vehículos de uso compartido)
- ☐ Mejoras en el transporte de mercancías
- ☐ Clima extremo y mejoras relacionadas con la resiliencia

Pregunta 7 ¿Cuál es su código postal? _____

Pregunta 8 ¿Cuál es el rango de ingresos de su hogar?

- ☐ Menos de \$14,999
- ☐ \$15,000 - \$24,999
- ☐ \$25,000 - \$34,999
- ☐ \$35,000 - \$49,999
- ☐ \$50,000 - \$74,999
- ☐ \$75,000 – \$99,999
- ☐ \$100,000 - \$149,999
- ☐ \$150,000 o más

Pregunta 9 ¿Cuántos años tienes?

- ☐ Menores de 20 años
- ☐ 20-29
- ☐ 30-39
- ☐ 40-49
- ☐ 50-59
- ☐ 60-69
- ☐ 70 años o más
- ☐ Prefiero no contestar

Pregunta 10 ¿Tiene sugerencias adicionales que Martin MPO debería considerar para el LRTP 2050?

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