



SMART MOVES 2045

St. Lucie TPO Long Range Transportation Plan

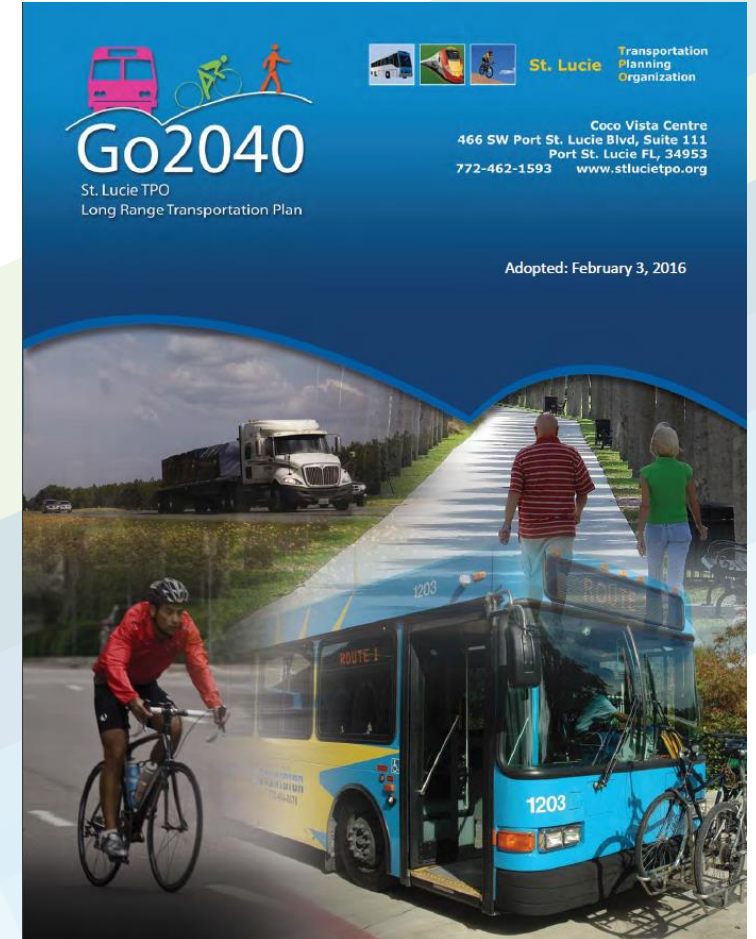
August 2020
Board Meeting

Agenda

- » **Background**
- » **Virtual Workshops**
- » **Multimodal Needs Plan** that is essential for accommodating future travel demand, addressing safety issues, and meeting community transportation needs for the next 25 years
- » **Revenue Projections** reasonably expected to be available over the next 25 years for prioritizing the Multimodal Needs Plan

Background

- » The Long Range Transportation Plan (LRTP) 2045 describes how St. Lucie County's multimodal transportation system will evolve over the next 25 years.
- » The St. Lucie Transportation Planning Organization (TPO) is required by federal law to review and update its transportation plan every five (5) years.
- » The St. Lucie 2040 LRTP, referred to as *Go2040*, was adopted by the TPO Governing Board in February 2016.



Virtual Workshops

Past

#1

Wednesday, July 29th
2:00 PM – 4:00 PM

Upcoming

#2

Thursday, August 27th
4:00 PM – 6:00 PM

#3

Tuesday, September 1st
6:00 PM – 8:00 PM



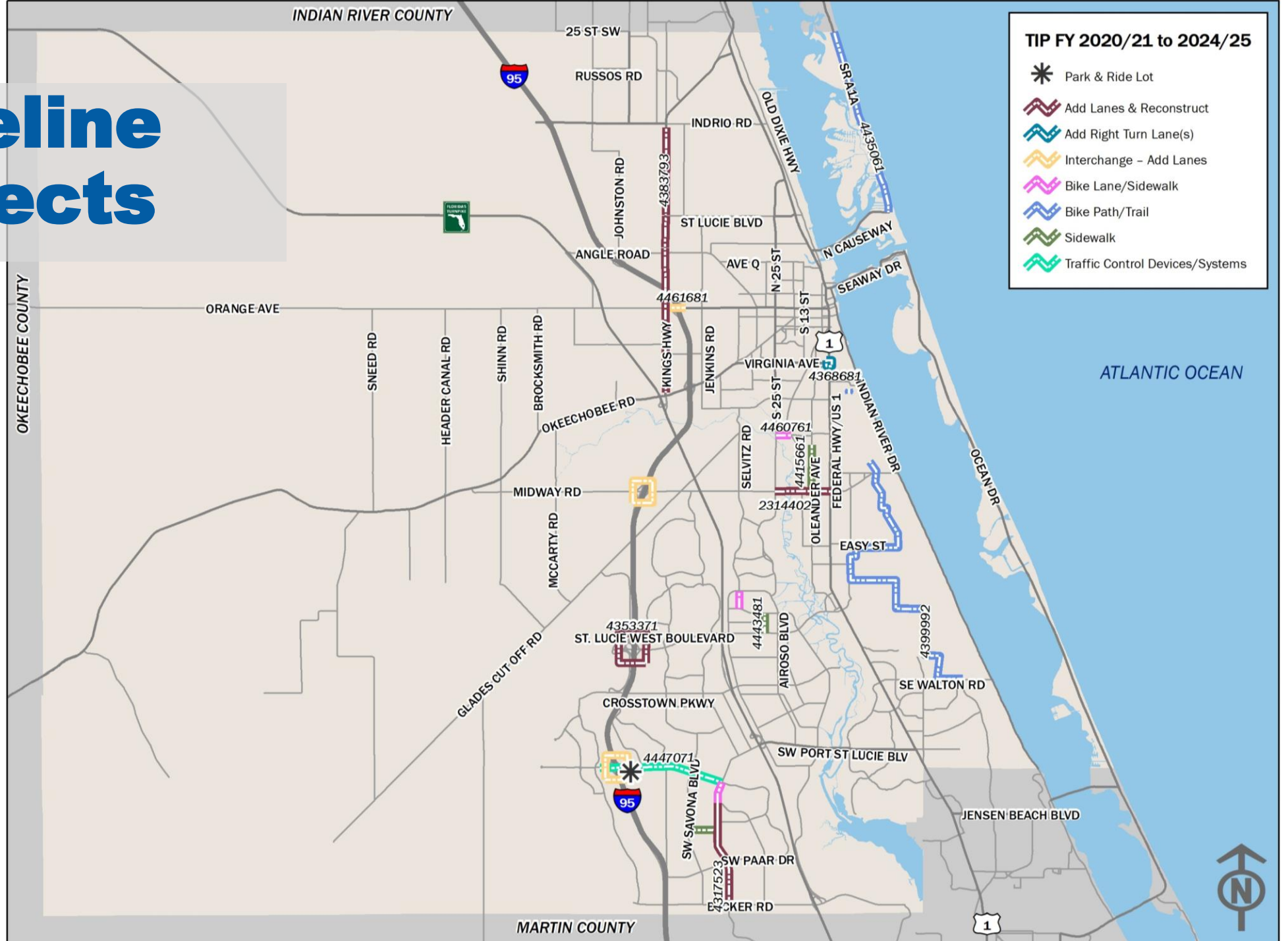
Multimodal Needs Plan

- » Focuses on all modes such as pedestrians, bicyclists, transit riders, and motorists
- » Incorporates automated, connected, electric, and shared-use vehicles (ACES) concept

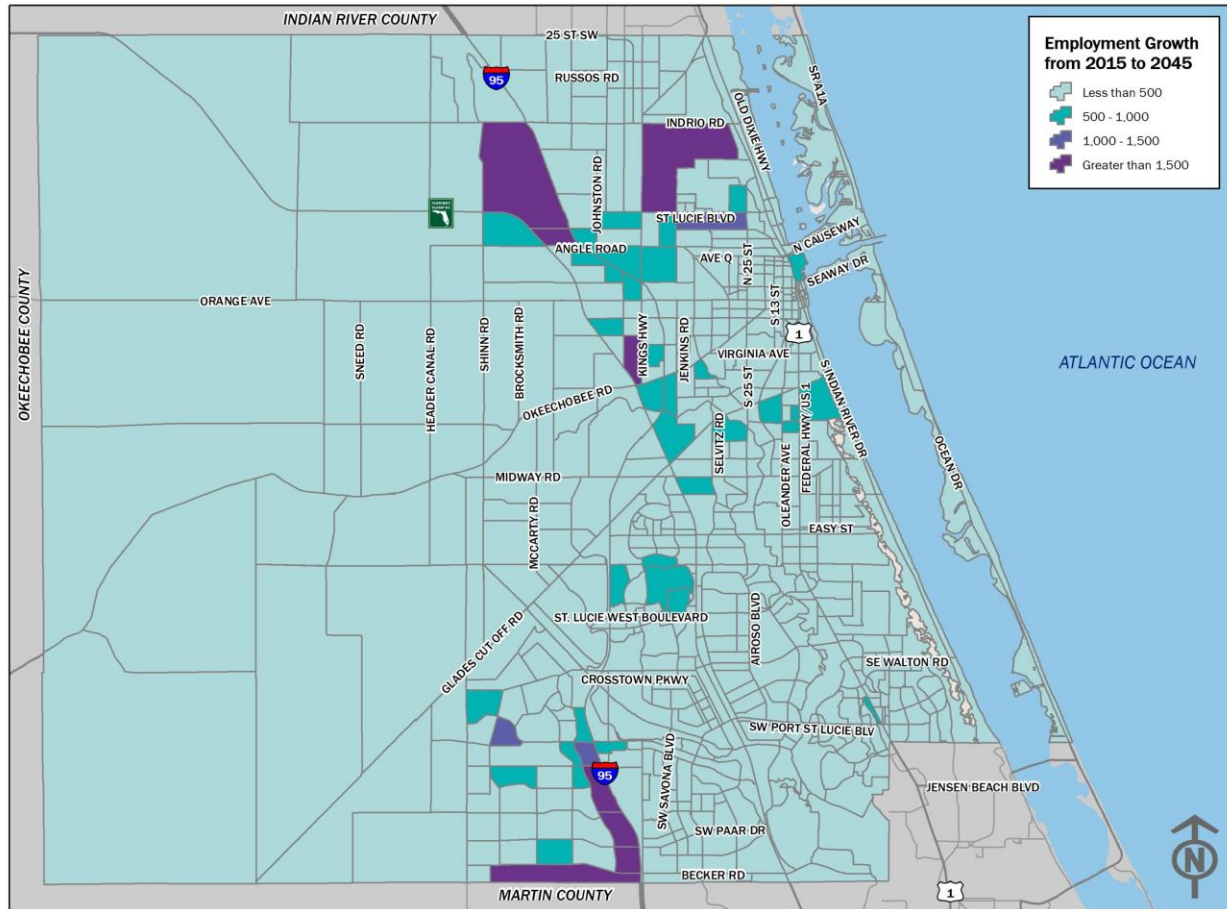
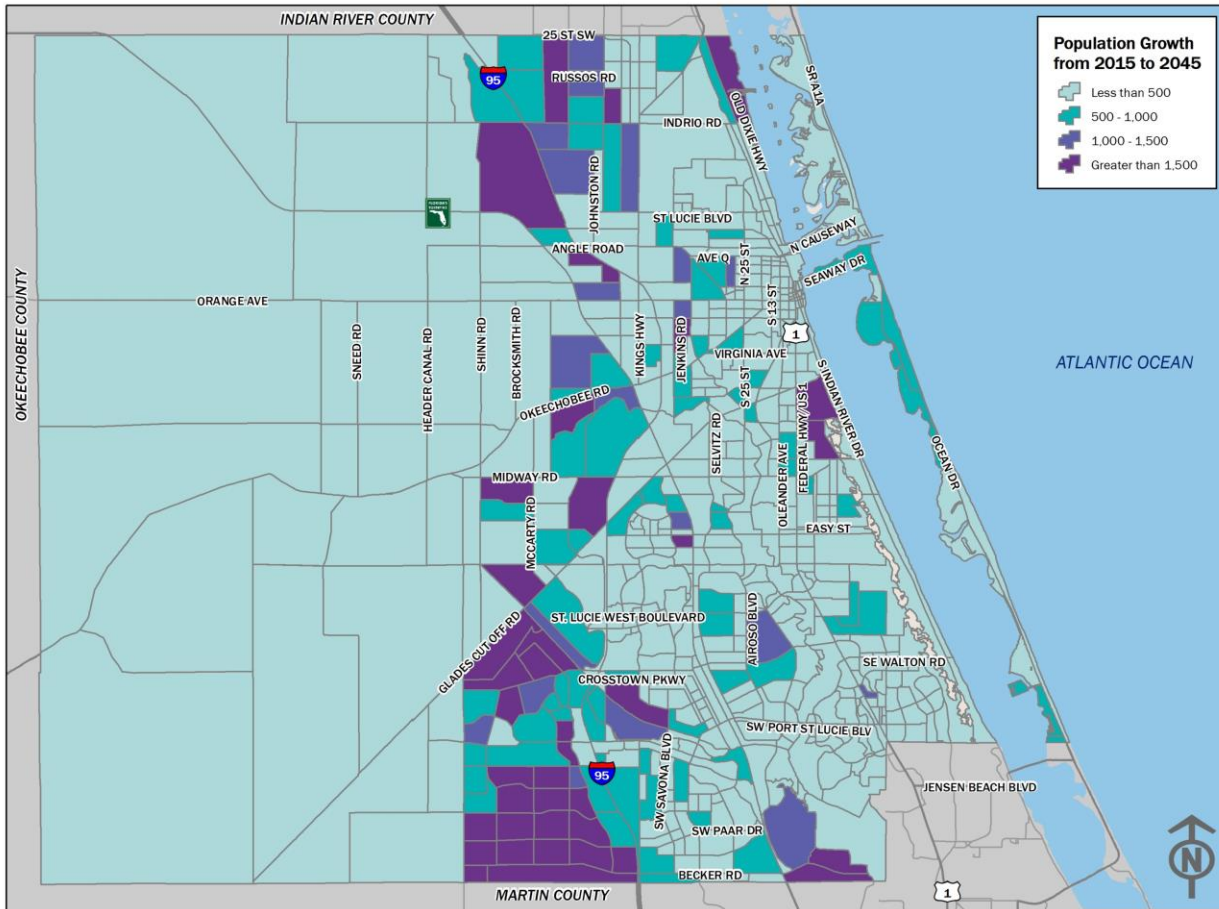
Baseline Projects

- » The first five years of *SmartMoves 2045* is known as the Transportation Improvement Program (TIP).
- » The TIP Fiscal Year (FY) 2020/21 to 2024/25 serves as the baseline for *SmartMoves 2045*.

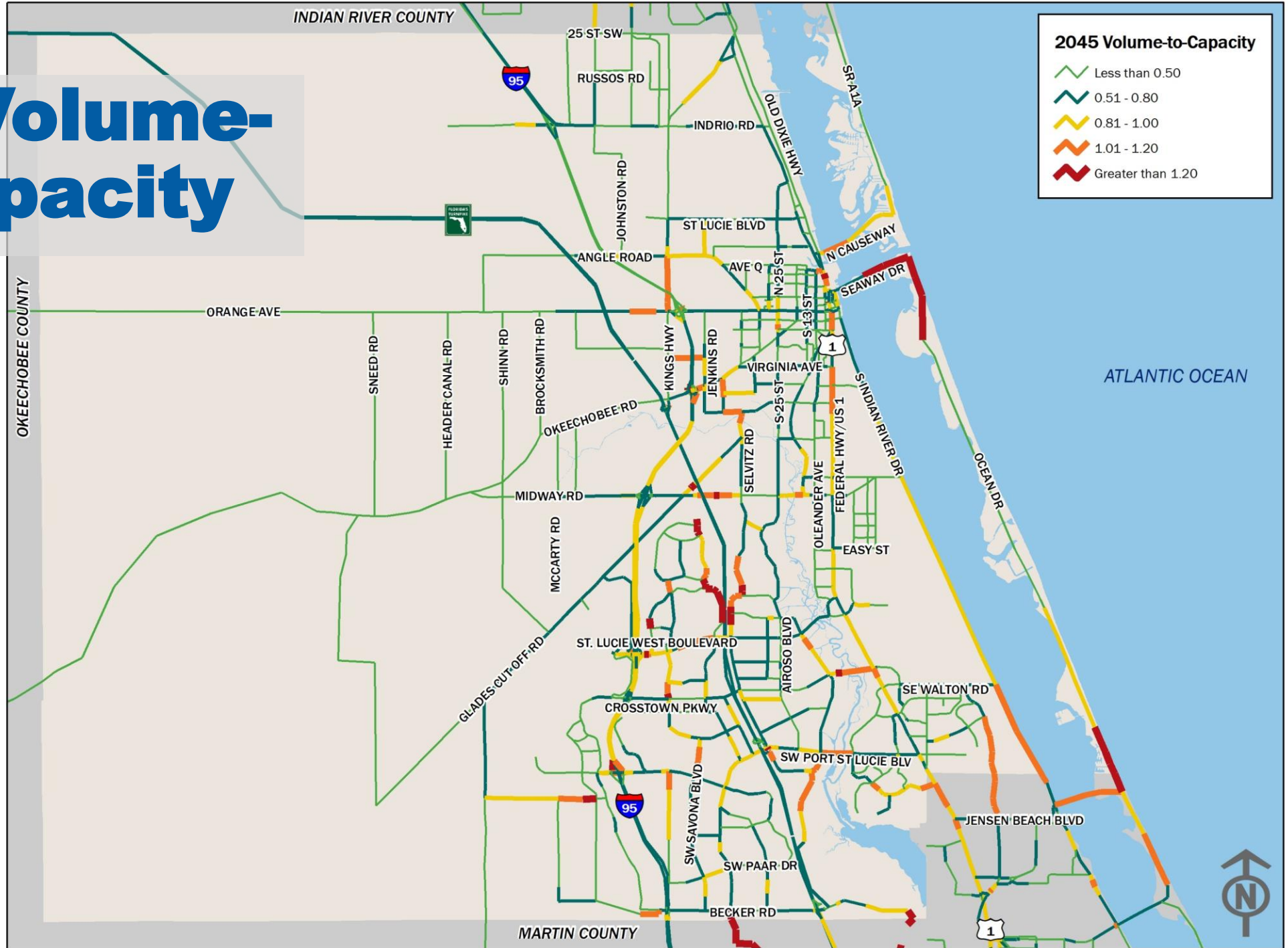
Baseline Projects



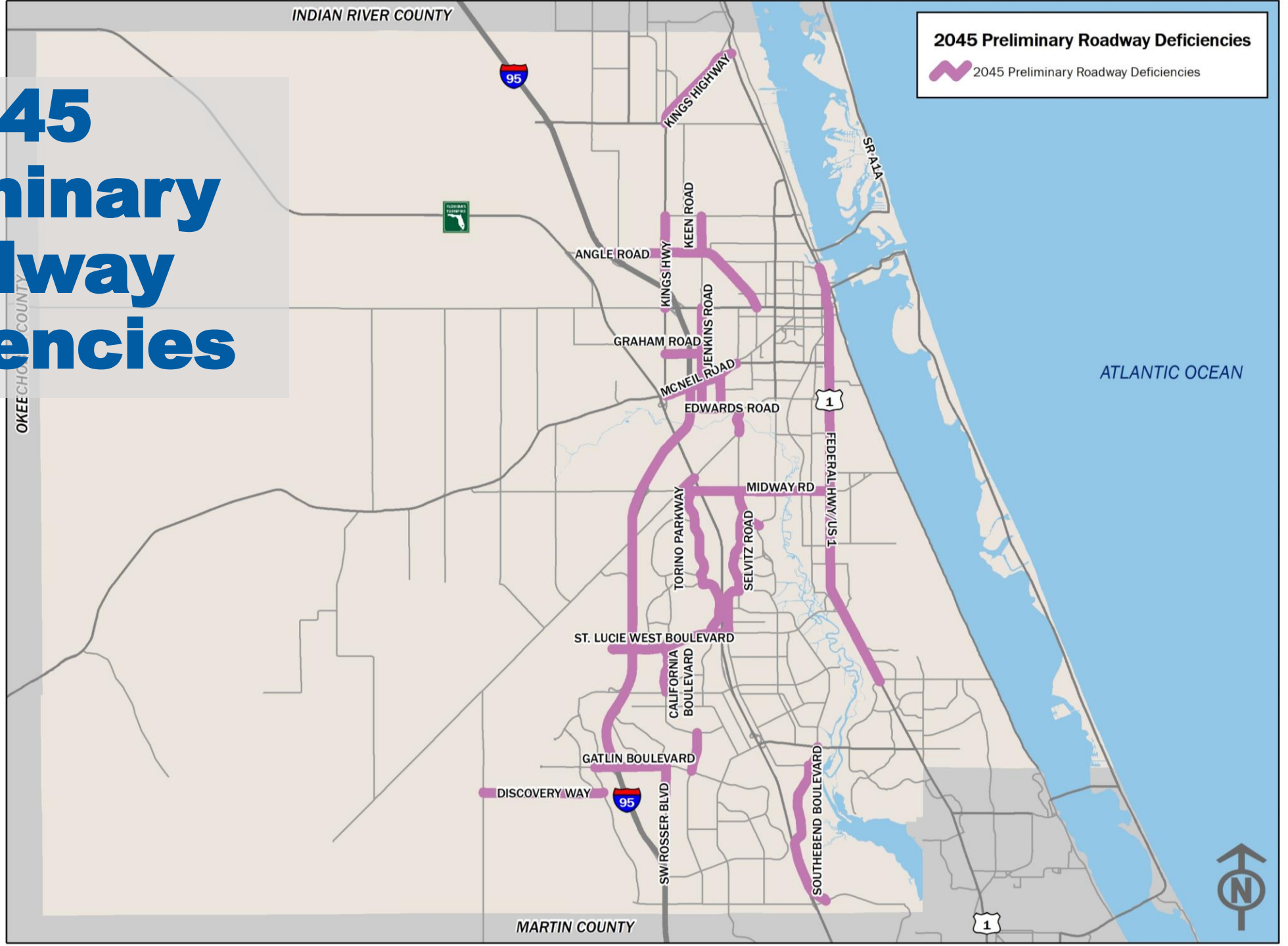
Growth Forecast



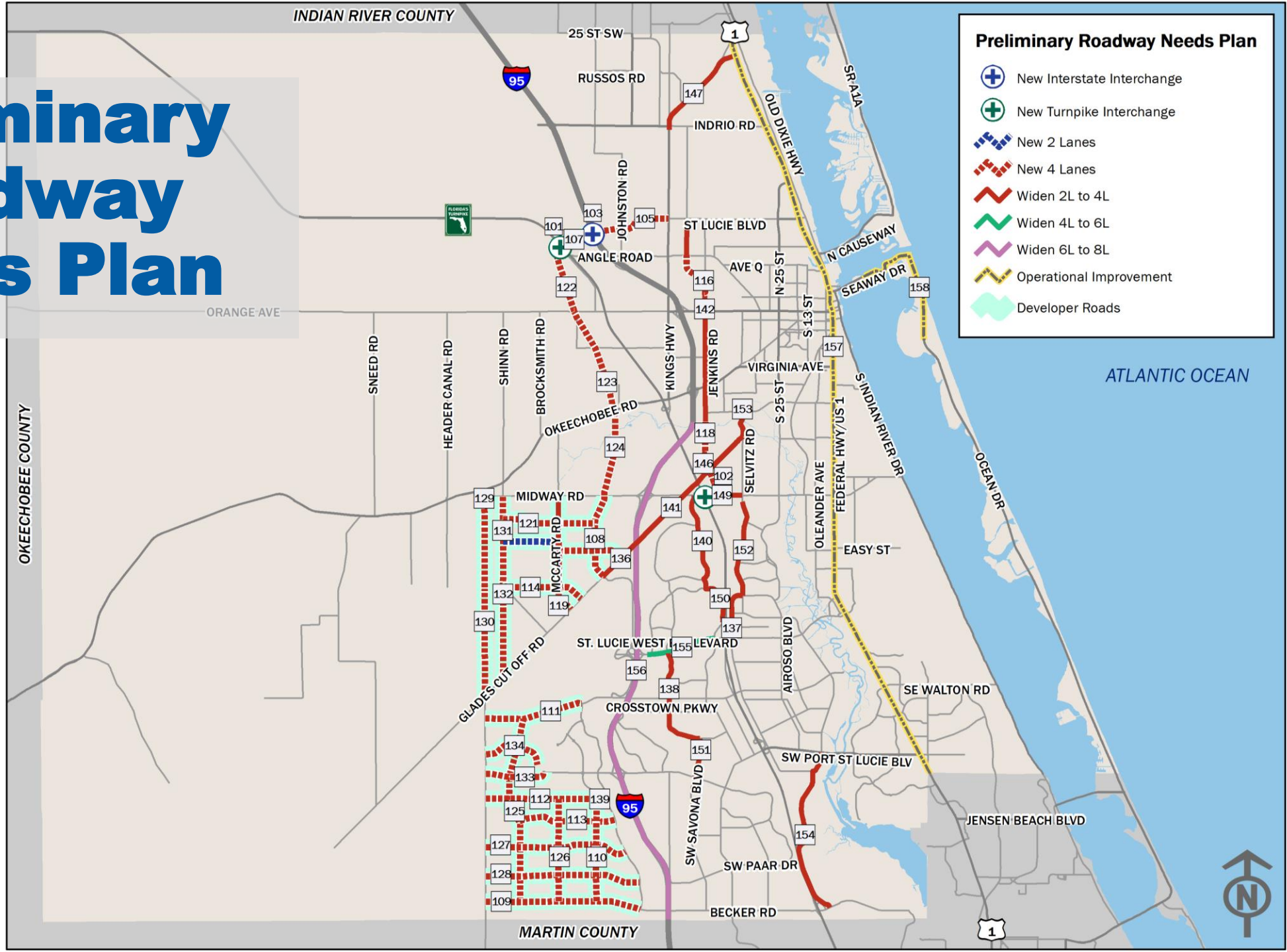
2045 Volume-to-Capacity



2045 Preliminary Roadway Deficiencies



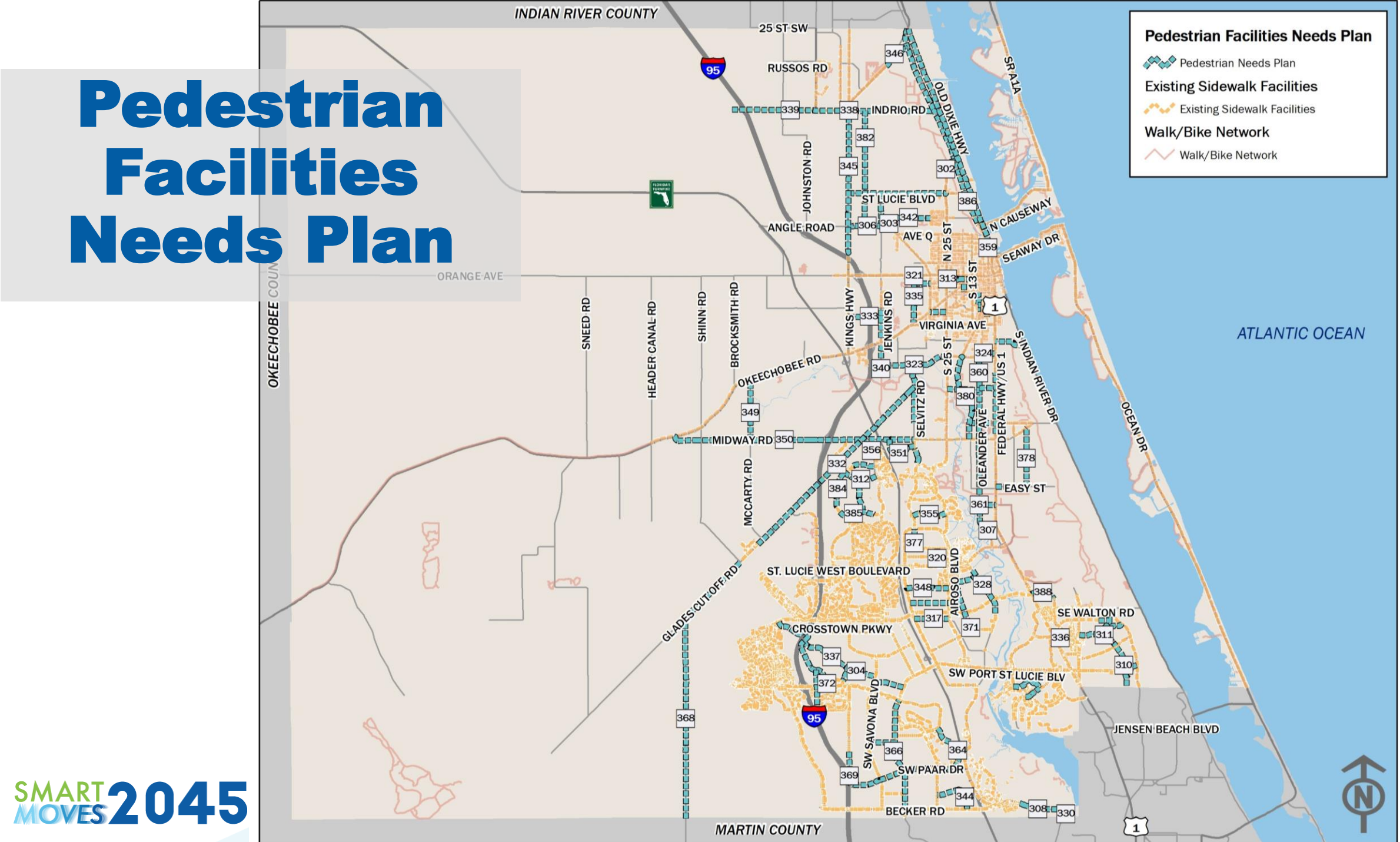
Preliminary Roadway Needs Plan



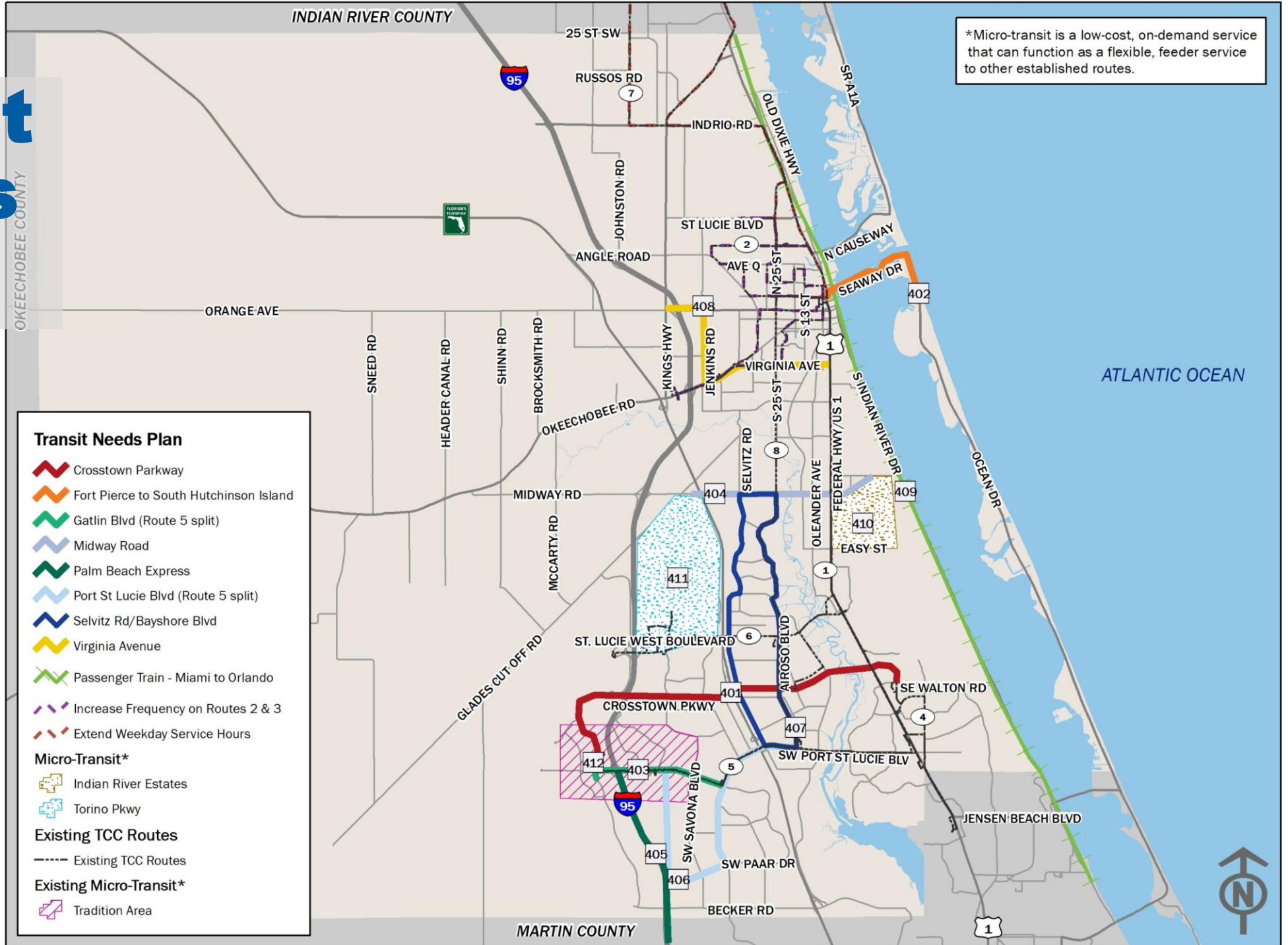
Bicycle Facilities Needs Plan



Pedestrian Facilities Needs Plan



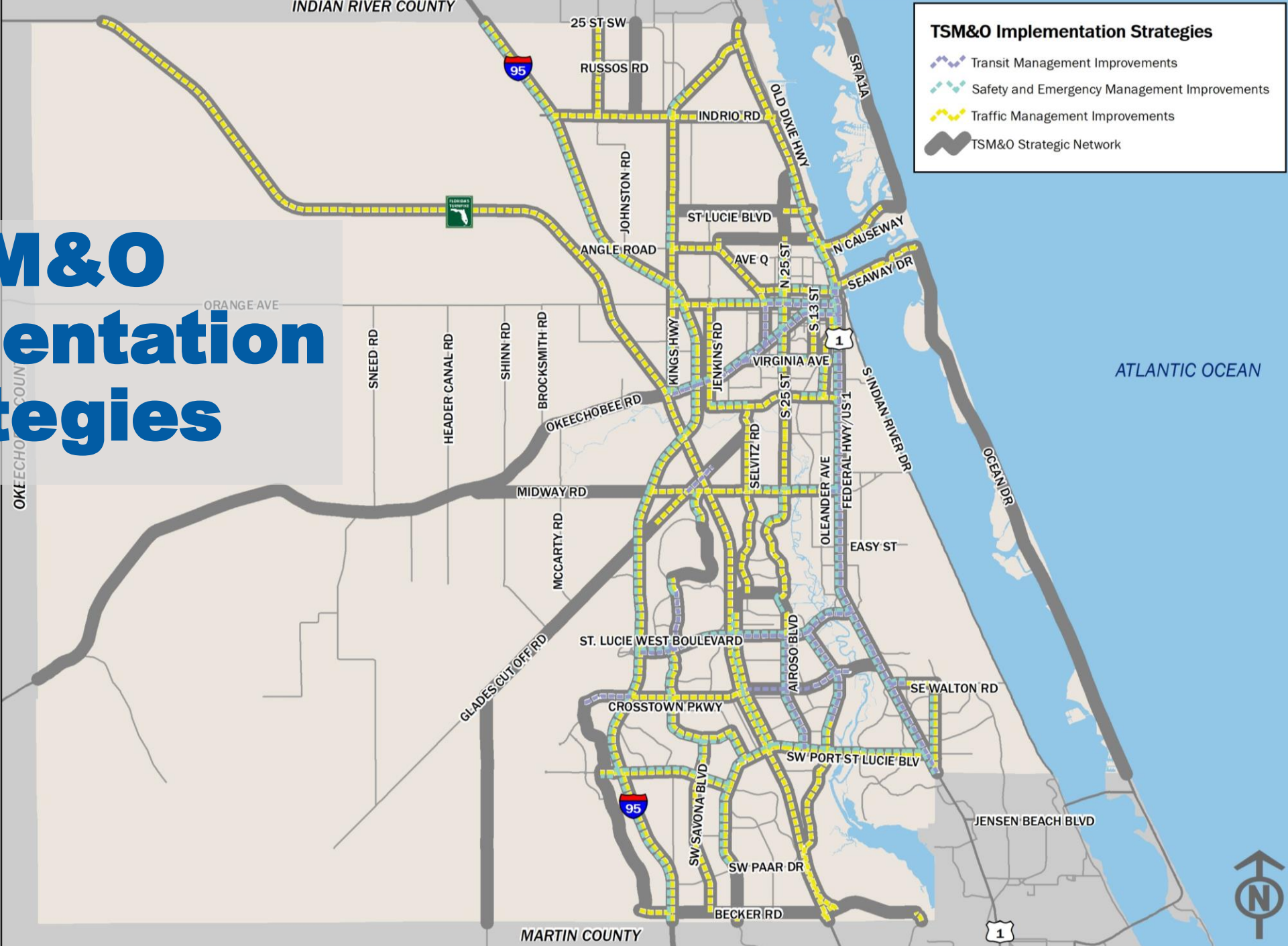
Transit Needs Plan



Transportation Systems Management and Operations (TSM&O)

- » Operating/managing the transportation network with technology strategies to optimize performance outcomes.
- » Recommendations
 - » Enhance the St. Lucie County and City of Fort Pierce communication systems similar to the existing City of Port St. Lucie system.
 - » Single operations center.
 - » Implement additional strategies such as traffic management, transit management, and safety and emergency management.

TSM&O Implementation Strategies





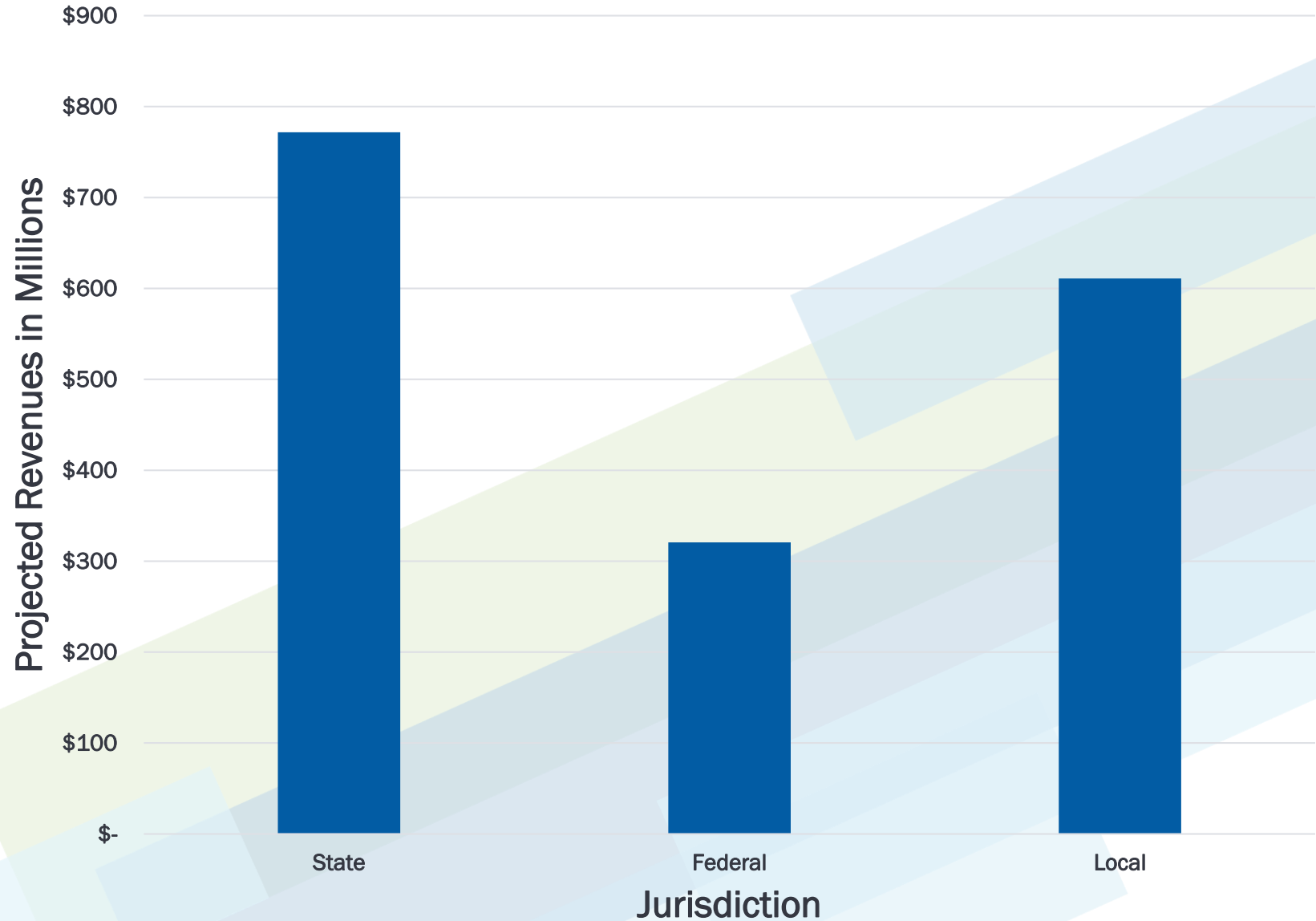
Revenue Projections

- » Provides an overview of how transportation investment will be funded
- » Lays the framework in prioritizing the Multimodal Needs Plan to develop a Cost Feasible Plan
- » Gives a snapshot in time of the current revenue picture and anticipated trends

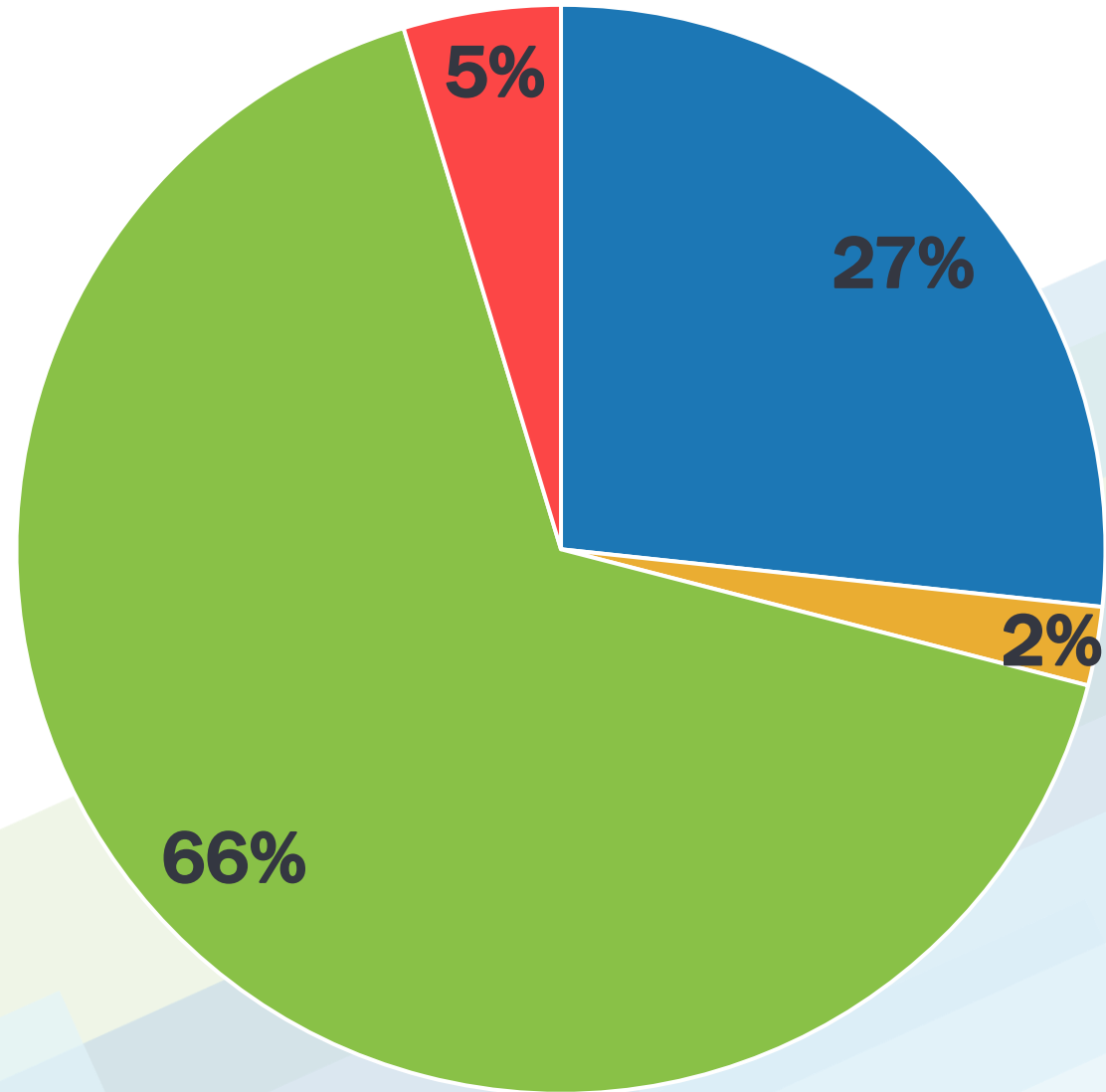
Time Bands

Funding Document	TIP	SMARTMoves 2045 Cost Feasible Plan			
Time Band	(Present) 2021-2025	2026 – 2030	2031 – 2035	2036 – 2045	

Projected Revenues, 2021 to 2045 in Millions (Year of Expenditure)



Projected State Funds, 2021 to 2045



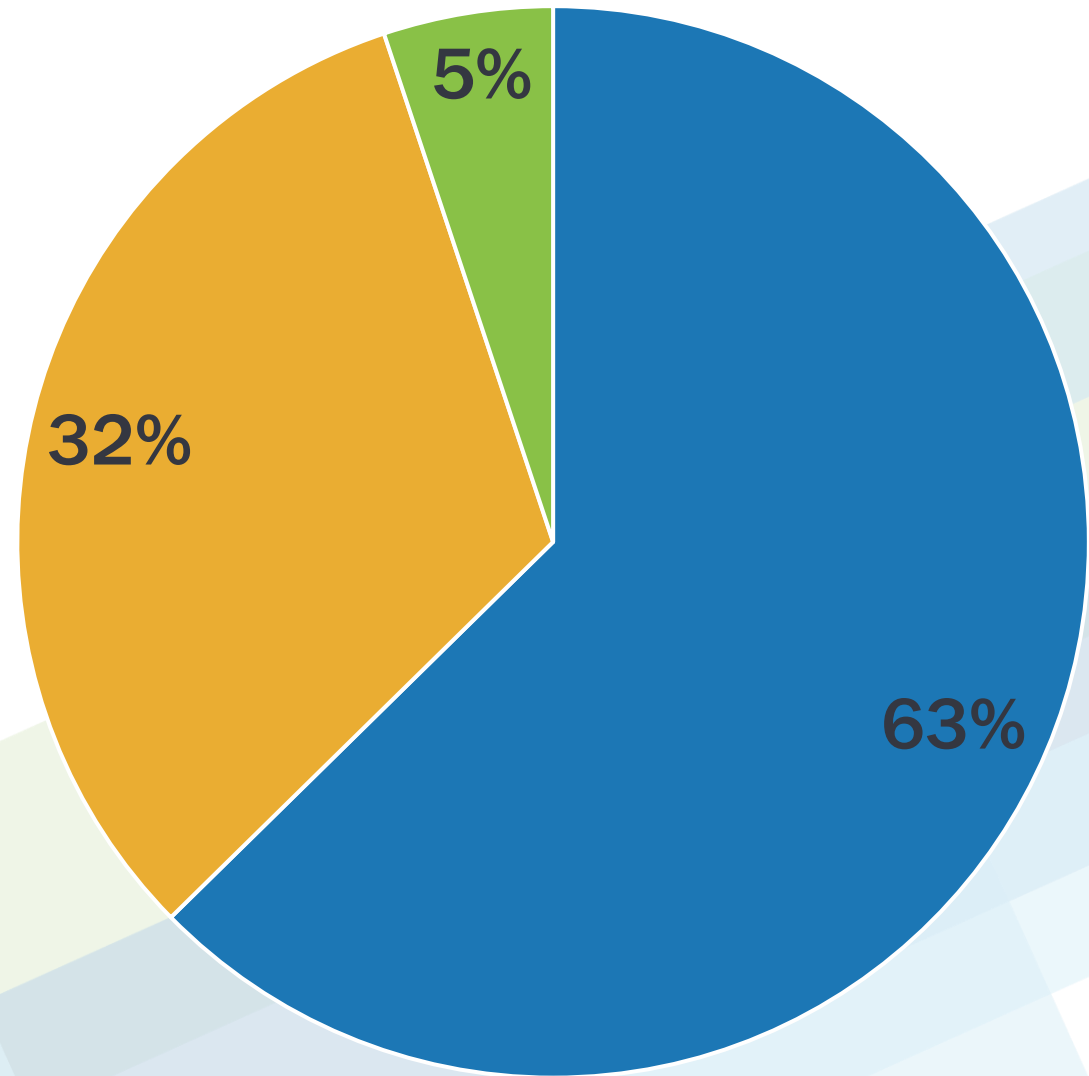
Other Roads Construction & ROW: 10% of the Other Roads Construction & ROW can be used for off-system roads.

- Strategic Intermodal System (SIS)
- Florida's Turnpike Enterprise
- Other Roads, Construction & ROW
- Transit (Block Grant)

Projected Federal Funds, 2021 to 2045

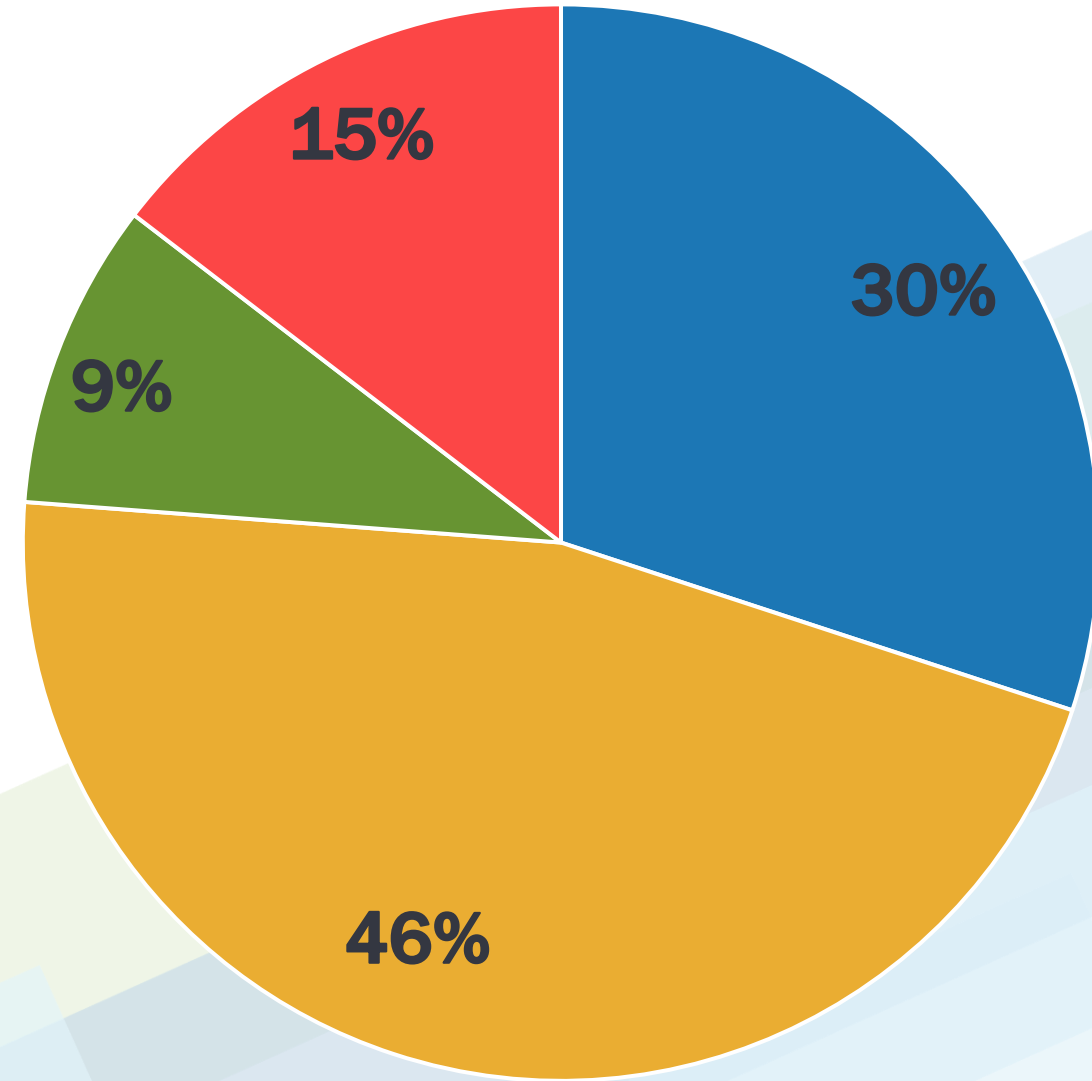
Transportation Management Area (TMA): Based on 68% share of the total TMA revenue projection for the St. Lucie Metropolitan Area.

Transportation Alternatives: TALU estimate based on 68% share of the total revenue projection for the St. Lucie Metropolitan Area. TALT estimates are not available at the county level.



- Transit (Section 5307, 5310, 5311, 5339)
- Transportation Management Area (TMA) funds
- Transportation Alternatives funds (TALU+TALT)

Projected Local Funds, 2021 to 2045



■ Transportation Impact Fees (TIF) ■ Fuel Taxes
■ Infrastructure Half-Cent Sales Tax ■ Transit (MSTU, Farebox)

Alternative and Innovative Transportation Funding Sources

- » Variety of alternative funding options can be pursued for scenarios such as
 - » If securing funding from base revenue sources is unattainable
 - » If there is an opportunity to accelerate a project schedule
 - » If there are more transportation needs projects than revenue anticipated to be available

Alternative and Innovative Transportation Funding Sources

» Federal Grant Programs

- » Better Utilizing Investments to Leverage Development (BUILD) Transportation Grant Program (formerly TIGER)
- » Infrastructure for Rebuilding America (INFRA) Grants
- » Consolidated Rail Infrastructure and Safety Improvements (CRISI) Program
- » Capital Investment Grants Program (CIG) - 5309

» State Grant Programs

- » Florida New Starts Transit Program (NTSP)
- » Transportation Regional Incentive Program (TRIP)
- » Commuter Assistance Program
- » Transit Corridor Program
- » County Incentive Grant Program (CIGP) - Section 339.2817 F.S.
- » Park and Ride Lot Program

Alternative and Innovative Transportation Funding Sources

» Local Funding Alternatives

- » Toll Revenue Credit Program
- » Transportation Surtax
- » Mobility Fees

» Value Capture

- » Transportation Improvement Districts (TID) / Transportation Development Districts (TDD)
- » Tax Increment Financing (TIF)
- » Right-of-Way Use (ROW) Agreements - 23 CFR PARTS 635, 710 AND 810
- » Joint Development

Next Steps

- » Prepare Transportation Alternatives Development
- » Develop the *SmartMoves 2045* Cost Feasible Plan, which is fiscally constrained
- » Continue to engage the public

Approval Items

- » Multimodal Needs Plan
- » Revenue Projections