Informational Project Briefing
1-95 Managed Lanes Master Plan
FPID 436576-1-22-01
From South of Linton Boulevard to Palm Beach/Martin County Line
Palm Beach County, Florida

December 5, 2018
I-95 Managed Lanes Master Plan
From South of Linton Boulevard to Palm Beach/Martin County Line
FM No.: 436576-1-22-01
Contract No.: C9065

Introduction

Managed Lanes Master Plan

Informational Briefing
Presentation Outline

- Project Development Process
- Municipality Coordination
- Recommended Managed Lanes Alternative
- Traffic Forecast & Analysis
- Programmed PD&Es
- Project Schedule
- Next Steps
Planning Phase

- Identify short term and long term needs for a 20 year horizon
  - TPA approved socio-economic data
- Develop preliminary design concepts, cost estimates, and identify potential impacts for further study
- Identify course of action and project programming
**Agency & Municipality Coordination**

### I-95 Managed Lanes Master Plan (Palm Beach)

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<thead>
<tr>
<th>Agencies/Municipalities</th>
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<tr>
<td>Palm Beach County TPA</td>
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<td>Palm Beach County Public Works</td>
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<td>City of Boca Raton</td>
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<td>City of Boynton Beach</td>
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<td>City of Delray Beach</td>
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<td>City of Palm Beach Gardens</td>
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<td>City of West Palm Beach</td>
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<td>Town of Cloud Lake</td>
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<td>Town of Jupiter</td>
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<td>Town of Lake Clarke Shores</td>
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<td>Town of Lantana</td>
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<td>Town of Mangonia Park</td>
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**Informational Briefing**

I-95 Managed Lanes Master Plan  
From South of Linton Boulevard to Palm Beach/Martin County Line  
FM No.: 436576-1-22-01  
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Phase 1A/B – NB & SB Express Lanes from SR 836/I-395 to Golden Glades Interchange (GGI).
  
  In Operation

Phase 2 – Express lanes extended from GGI to just south of SR 842/Broward Blvd in Broward County.
  
  In Operation

Phase 3A-1/A-2 - Express lanes extension south of SR 842/Broward Blvd. to SR 869/SW 10th St. in Broward County.
  
  Under Construction

Phase 3B-1/B-2 – Express lane extension from SR 869/SW 10th St in Broward County to Linton Blvd. in Palm Beach County.
  
  Under Construction /In Procurement

Phase 3C – Express lane extension from South of Sterling Rd to South of SR 842/Broward Blvd in Broward County.
  
  Under Construction

Master Plan - Managed Lanes from Linton Blvd to Palm Beach/Martin County Line.
  
  In Planning

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Source: www.95express.com
Purpose

- Identify long-term capacity needs along the I-95 mainline
- Address segments operating below Level of Service (LOS) target adopted as part of the Strategic Intermodal System (SIS)

Study Objectives

- Identify and document traffic operational deficiencies
- Develop an ultimate capacity improvement plan using managed lanes design concepts
- Compare design constraints, benefits, construction costs, right of way impacts, interagency coordination, and recommendations for further Project Development & Environment (PD&E) evaluation

Source: FDOT SIS Policy Plan
Two Managed Lanes Concept

- Add a second managed lane while maintaining the existing number of general use lanes
- Separation treatment – Buffered separation with delineators
Managed Lanes Benefits

The goal of managed lanes is to provide travel options and improve traffic flow in all lanes.

Benefits

- Provide Customers with Travel Choices
- Offer a More Predictable Travel Time
- Deliver a Long-Term Solution to Manage Traffic Flow
- Reduce Fuel Consumption
- Decrease Air Pollution
- Support Transit Usage

Source: http://floridaexpresslanes.com/about-express-lanes/

Learn more about managed lanes in Florida at:
http://floridaexpresslanes.com/
2015 AADT - 100,000 to 210,000 vehicles per day

- Corridor truck percentage is generally around 7-8%

- Average corridor annual growth rate 1.39%

- 2040 No Build AADT – 130,000 to 320,000 vehicles per day

- 2040 Build Alternative AADT - 134,000 to 341,000 vehicles per day
  - General Use Lanes (GUL) 134,000 to 290,000 vehicles per day
  - Managed Lanes (ML) 34,000 to 70,000 vehicles per day
Level of Service Determination

Level of Service (LOS) Definition

“Qualitative ranking used to relate the quality of traffic service experienced by users of a facility.”

- Six levels of ranking “A” to “F”.
- “A” represents the best operating conditions.
- “F” represents the worst operating conditions.

FDOT LOS Policy

- Target LOS “D” in Urbanized Areas
2015 Existing Conditions

22% of the corridor is below LOS D in 2015

2040 No Build Scenario

65% of the corridor is below LOS D in 2040

2040 Build Alternative Scenario

49% of the corridor is below LOS D in 2040
Managed Lane Analysis

- Average throughput traffic increased by 5%
- Reduces approximately 13% traffic volume in General Use Lanes
- The following segments relieve General Use Lanes volumes:
  - North of Congress Ave to South of 6th Ave
  - North of 10th Ave to South of Palm Beach Lakes Blvd
  - North of 45th Street to South of Donald Ross Rd
Other Considerations

SR 80 Corridor Action Plan
From US-27 to I-95

I-95 AT SOUTHERN BOULEVARD (SR 80)
Project Development and Environment Study

Palm Beach County, Florida
Financial Project ID No.: 435516-1-22-02
ETDM No.: 14183

Source: FDOT & Palm Beach International Airport
PBI Master Plan
• 20 year vision for future development

New Flight Paths

Influences Design Decisions for SR 80/I-95 Interchange

Source: Palm Beach International Airport Master Plan Update (2018)
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Preliminary Access Points

South Segment

North Segment

Preliminary Access Points

Managed Lane Master Plan

Informational Briefing

Preliminary

Preliminary

South Segment

North Segment
Provide desired weave distance of 1,000 feet per lane shift to/from I-95 entry/exit ramps with the proposed express lane access points.
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PD&Es Funded in Fiscal Year 2024

Not Programmed

- FM 444202-2
  SR-9/I-95 From 6th Ave S to North of Okeechobee Blvd

- FM 444202-1
  SR-9/I-95 From S of Linton Blvd/CR-782 to 6th Ave

* Includes SR 80/Southern Blvd Interchange
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NEXT STEPS

- Finalize Traffic Forecasting & Analysis Memorandum
- Coordinate with future/on-going interchange PD&E & Design projects
- Continue Stakeholder Coordination
  - Revisit Palm Beach Public Works
  - Revisit Municipalities
- Develop Draft Master Plan Documentation
Thank You

FOR MORE INFORMATION
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Project Website:  www.95express.com/PBC-Planning-Study