

I-95/SR 9 Multimodal Master Plan
(From Palm Beach/Martin County Line to Indian River/Brevard County Line)
Financial Project ID: 436577-1-22-01

MARTIN COUNTY
Public Information Workshop

Indian River State College, Chastain Campus
Wolf High-Tech Center
2400 SE Salerno Road
Stuart, FL 34997

May 1, 2019

I-95 Multimodal Master Plan
TREASURE COAST

SEBASTIAN
VERO BEACH
FORT PIERCE
PORT ST. LUCIE
STUART
PALM BEACH
JUPITER
INDIAN RIVER
ST. LUCIE
MARTIN

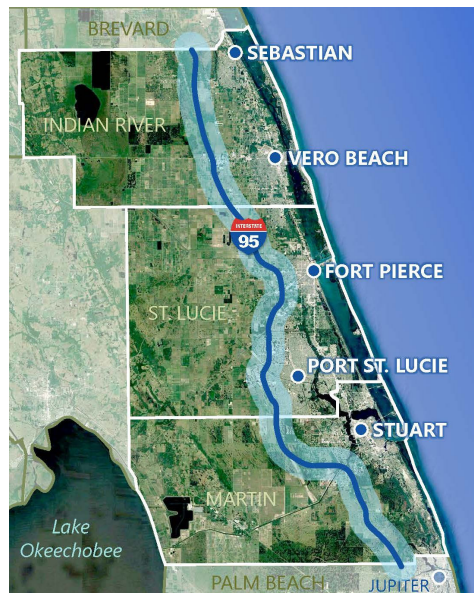
Wednesday, May 1, 2019

Welcome! And thank you for attending tonight's Public Information Workshop regarding a Multimodal Master Plan for a portion of the I-95/State Road 9 corridor. This presentation is an overview of the proposed plan for Martin County.

The Workshop also has an open-house format where project representatives associated with the Florida Department of Transportation can answer questions and provide assistance at any time during the workshop until 7 p.m.

Project Description

- » Project Limits & Study Area
 - 71-mile I-95 Corridor
 - 6 Lanes; 8 Lanes from SR 70 to Indrio Rd
 - 15 Interchanges including Oslo Road Interchange
 - Explore Multimodal Alternatives
 - Identify Needs and Their Timing
 - Short-term (2030)
 - Long-term (2045)



The Multimodal Master Plan is integral to achieving overall regional mobility goals for I-95/State Road 9 from the Palm Beach/Martin County, Florida line to the Indian River/Brevard County, Florida line --- a stretch of about 71 miles.

The study also includes key intersecting roadways and 15 interchanges --- four of which are in Martin County.

The plan will identify short-term and long-term roadway improvements necessary to make the corridor and interchanges compliant with Strategic Intermodal System (S-I-S) operational targets.

It will also make recommendations for actions to be taken by the Florida Department of Transportation, F-D-O-T, and local governments as appropriate to protect and enhance the corridor through the year 2045.

Master Plan Objectives

- » Develop Multimodal Master Plan
 - Collaborative and Cooperative Approach
 - Regional Support
- » Define and Analyze Conceptual Design Alternatives
 - Short-term and Long-term Needs
- » Scheduling
 - Timing and Sequence of Improvements
 - Funding
- » Present Recommendations



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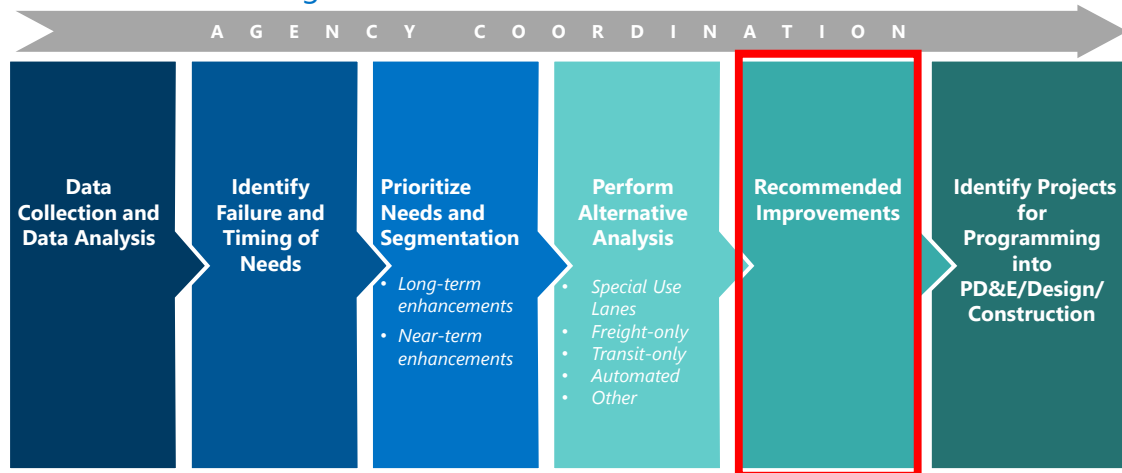
The development of the Master Plan is a collaborative effort involving FDOT, the local Metropolitan Planning Organizations (MPO), Transportation Planning Organizations (TPO) and other local, regional and state stakeholders along the corridor. The cooperative development of the plan ensures consistency with all local and regional transportation plans.

Conceptual design alternatives have been prepared that reflect solutions to 2030 (or short-term) and 2045 (long-term) mobility challenges.

The Master Plan also recommends a schedule of future short-term and long-term improvements, and the necessary steps those projects must follow to be realized. The completion of the Master Plan will result in a list of recommended Project Needs, and the time and estimated resources required to carry out the phases associated with each project.

Multimodal Master Plan - Process

Mainline & Interchange Influence Areas



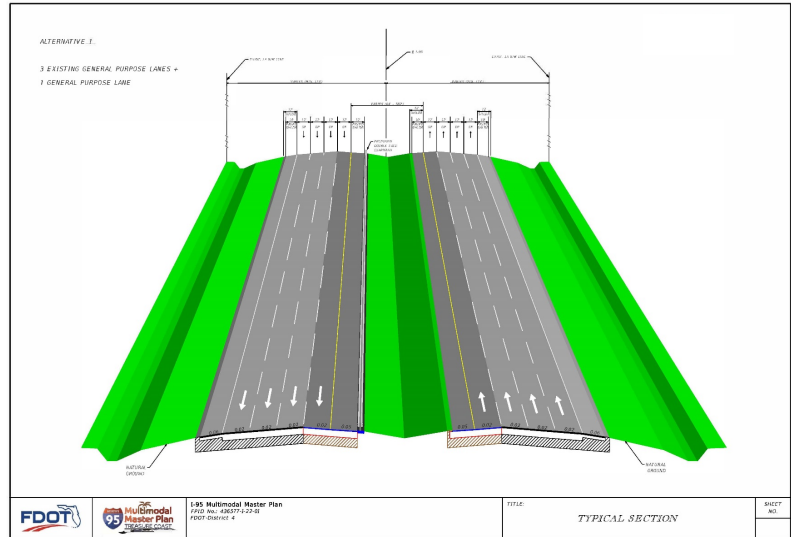
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The Master Plan followed a multi-step process that began in May 2017. In the fall of 2017, data was collected, and since then, subsequent steps have identified failures, prioritized needs, performed analysis, and recommended improvements.

The remaining step is to identify projects for programming, which will be completed this summer.

I-95 Mainline Capacity Needs

- » From Palm Beach County Line to SR 70/Okeechobee Rd
- » Add 4th General Purpose Lane in Each Direction
- » Widen to the Inside
- » Timing of Need
– by 2030



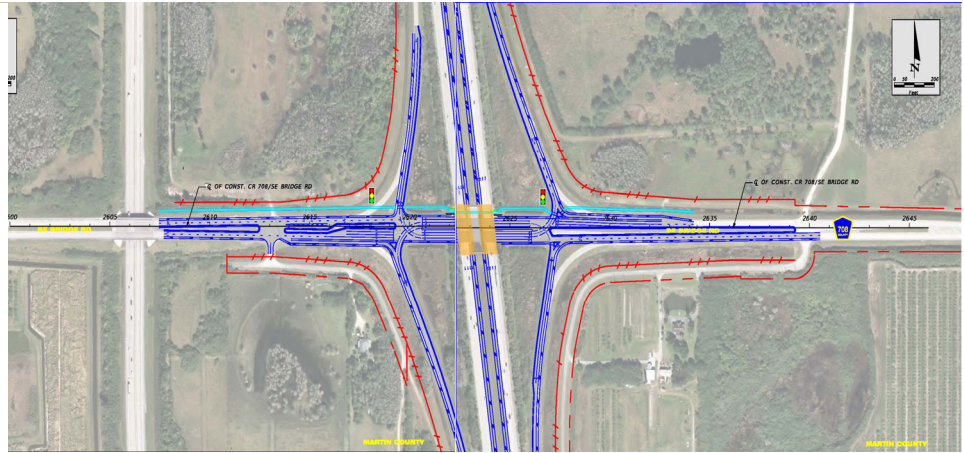
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The analysis of the I-95 mainline revealed future volumes will exceed the capacity of the current six-lane freeway by the 2030s. Therefore, a fourth general purpose lane is needed on I-95 from the Palm Beach/Martin county line to State Road 70 in St. Lucie County.

I-95 can be widened towards the inside which minimizes impacts to on- and off-ramps along the corridor.

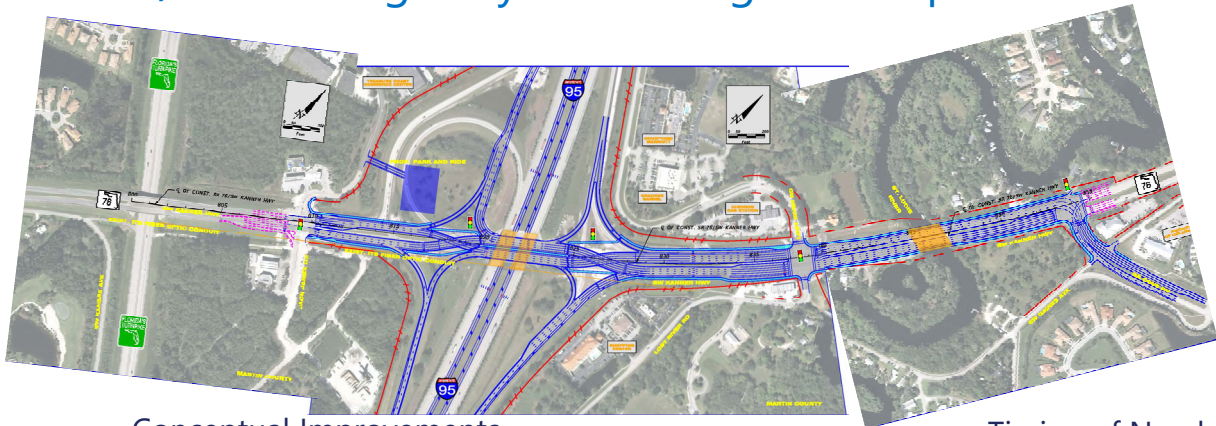
Bridge Road Interchange Concept

- » Signalize Ramp Terminal Intersections
- » Add Turn Lanes
- » Timing of Need
– By 2030



The Bridge Road interchange is the southernmost I-95 interchange in Martin County. Analysis indicates that the interchange configuration will operate well by 2045 with only minor enhancements. These improvements include signalizing the ramp terminal intersections and adding turning lanes to the intersections, which are needed within the next 10 to 15 years.

SR 76/Kanner Highway Interchange Concept



» Conceptual Improvements

- Modify as a Diverging Diamond Interchange (DDI)
- Widen SB On-ramp to 2 Lanes
- Widen SB Off-ramp to 2 Lanes
- Widen NB Off-ramp to 2 Lanes
- Park-and-ride Lot West of I-95
- Turn Lane Improvements at Cove Rd
- Lengthen Acceleration & Deceleration Lanes

» Timing of Need

- By 2045



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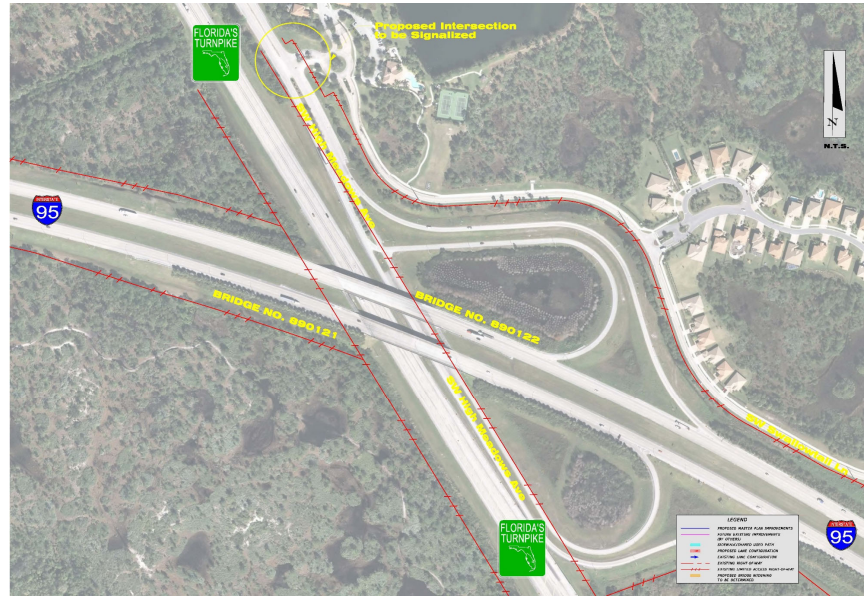
Recent improvements at the Kanner Highway interchange ensure that it will operate acceptably up to 2045. However, by 2045, future volumes are expected to exceed that capacity, necessitating improvements.

A conceptual interchange alternative that alleviates the expected congestion is a Diverging Diamond Interchange configuration, or D-D-I. A DDI is a design that better accommodates heavy left turn movements on the surface streets.

Additional improvements needed by 2045 include adding a second lane to on- and off-ramps; turn lane improvements at the Cove Road intersection, and a park-and-ride lot west of I-95.

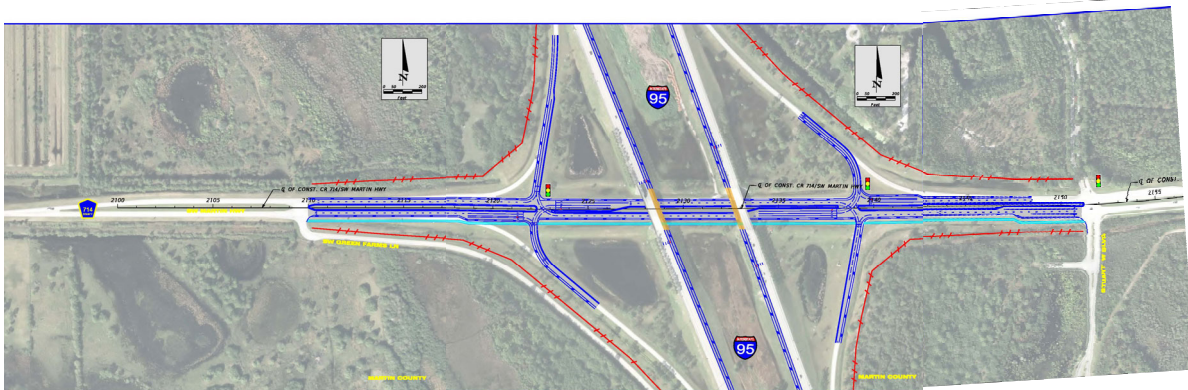
High Meadow Avenue Interchange Concept

- » Signalize Swallowtail Lane Intersection
- » No Interchange Improvements Needed
- » No Ramp Modifications Needed
- » Timing of Need
– By 2045



The interchange at High Meadow Avenue is expected to operate acceptably through 2045. No interchange or ramp improvement is needed. However, signalization of the nearby intersection at Swallowtail Lane has been noted as a potential improvement in 2045.

SR 714/Martin Highway Interchange Concept



- » Signalize Ramp Terminals with Turn Lanes
- » Signalize Stuart Blvd Intersection East of I-95
- » No Ramp Modifications Needed

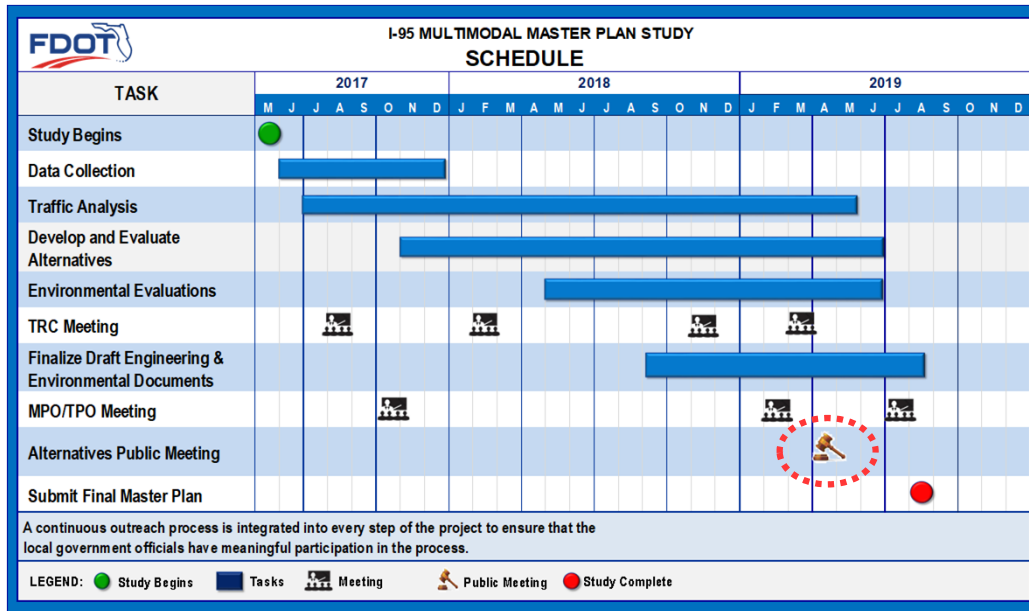
» Timing of Need
– By 2030



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Analysis of the Martin Highway interchange revealed that only minor improvements will be needed for it to operate acceptably in the future. These improvements include signaling the ramp terminal intersections, and Stuart Boulevard east of I-95. Additional turn lanes are also needed at the ramp terminal intersections by 2030.

Project Schedule



The I-95 Multimodal Master Plan began in May 2017. During the past two years, local and state officials have worked together to develop the conceptual alternatives shown today. This Public Information Workshop --- depicted on the schedule within the red circle --- reflects the current place that the project is at this time. Overall, the Master Plan is anticipated to be completed by the fall of this year.

Next Steps

- » Finalize Conceptual Alternatives

- » Report Preparation
 - Traffic Element
 - Facility Enhancement Element
 - Facility Operations and Preservation Element
 - Environmental Element
 - Master Plan

- » Summer/Fall 2019 – Presentations to MPO
 - Board of Elected Officials
 - Technical Advisory Committee
 - Citizens Advisory Committee



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Following this workshop, the next steps for the I-95 Multimodal Master Plan include finalizing the conceptual alternatives and preparing the study documentation. This documentation culminates with the Master Plan report, which will include the Needs tables.

Then, the Master Plan team will present the study's findings to the Metropolitan Planning Organization's board, Technical Advisory Committee, and Citizens Advisory Committee sometime later this summer or fall.

Other Public Information Workshops

Wednesday, May 8

5 p.m. – 7 p.m.

St. Lucie County

Port St. Lucie Community Center

2195 SE Airoso Blvd

Port St Lucie, FL 34984

Thursday, May 16

5 p.m. – 7 p.m.

Indian River County

Indian River State College,

Mueller Campus

Richardson Center

6155 College Lane

Vero Beach, FL 32966



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We will be holding other public meetings for St. Lucie County on May 8 and one for Indian River County on May 16.

Please feel free to walk around to view the project boards. Project representatives are here until seven p.m. to answer any questions that you may have. Comment cards are also available for your convenience.

Contact Information

» Dr. Min-Tang Li
Florida Department of Transportation, District Four
3400 West Commercial Boulevard
Fort Lauderdale, Florida 33309
Phone: 954-777-4652 | 866-336-8435 extension 4652
Email: min-tang.li@dot.state.fl.us

» Project Website

www.fdot.gov/projects/sefl/future/95/treasurecoast



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For more information regarding the I-95 Multimodal Master Plan, you may contact: Dr. Min-Tang Li, District Four Project Manager at (954) 777-4652 or toll free at (866) 336-8435, ext. 4652. You may also email him at Min-Tang.Li@dot.state.fl.us or visit the project website at www.FDOT.gov/projects/sefl/future/95/treasurecoast.

THANK YOU!



Thank you.