



SR 9/I-95 PD&E Study
Palm Beach County



Palm Beach Transportation Planning Agency

Project Development and Environment (PD&E) Study for SR 9/I-95 from South of Linton Boulevard/CR 782 to North of SR 704/Okeechobee Boulevard

Southern PD&E Study: Financial Project ID: 444202-1-22-02 | ETDM: 14508
Northern PD&E Study: Financial Project ID: 444202-2-22-02 | ETDM: 14509



CAC and TAC Presentations

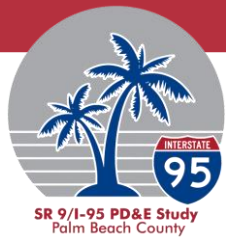
December 06, 2023

VZAC Presentation

December 07, 2023

TPA Board Presentation

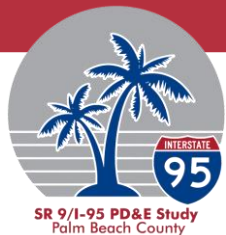
December 14, 2023



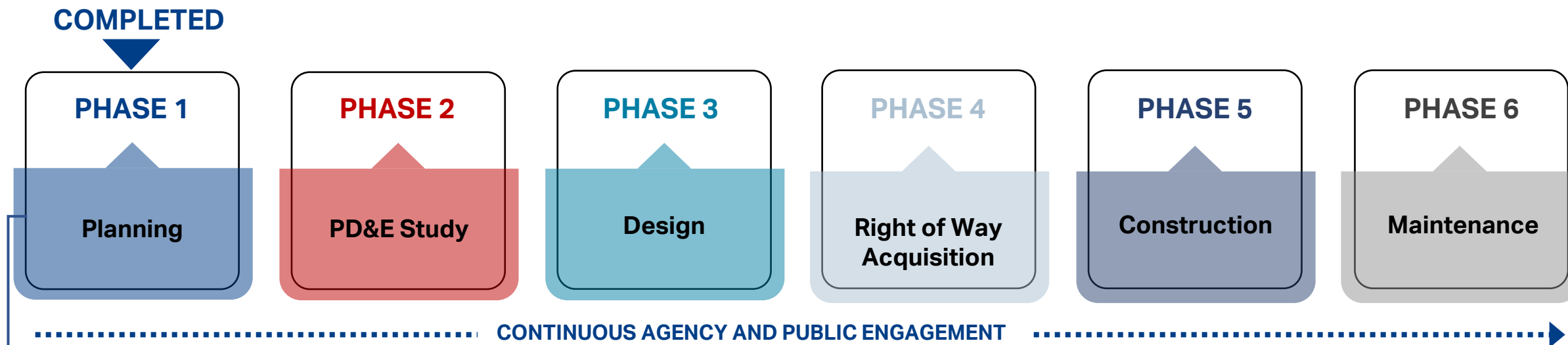
Agenda

- Project Delivery Process
- What are Managed Lanes
- Master Plan Overview
- PD&E Studies
- Purpose and Need
- Engineering
- Environmental
- Public Involvement
- Southern PD&E
- Northern PD&E
- Schedule
- Contact Information



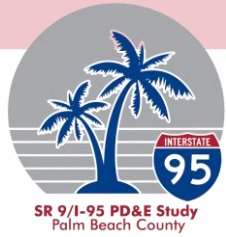


FDOT Transportation Project Delivery Process



I-95 Managed Lanes Master Plan

☐ Completed in March 2019



What are Managed Lanes

Managed lanes are an innovative solution to congestion management. They are usually newly constructed travel lanes with access limited to specific vehicle classes by a toll or vehicle volume. Managed lanes are highway facilities, or a set of lanes where operational strategies are proactively implemented and managed in response to changing traffic conditions.

Managed lanes will be considered as an alternative to increase capacity on corridors to address existing and future congestion but shall not be implemented on existing general use lanes for limited access facilities.

The Department will prioritize this approach to deploy a safe, community centric, resilient, equitable, and accessible transportation system.



Provide travel choices



Offer predictable travel times



Manage time congestion



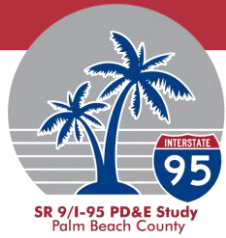
Reduce fuel consumption



Decrease air pollution



Support transit usage



I-95 Managed Lanes Master Plan

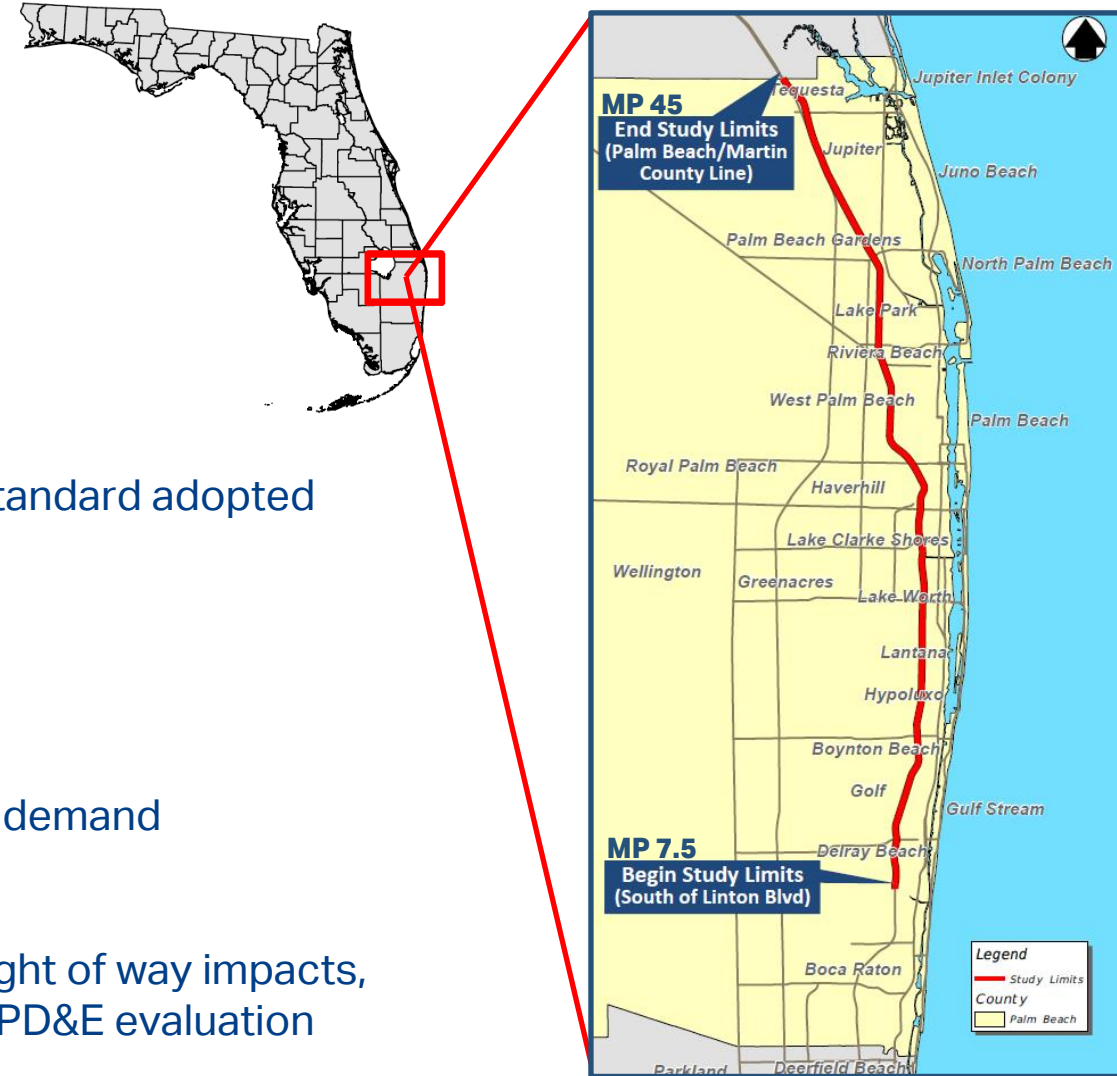
SOUTH OF LINTON BOULEVARD/CR 782 TO MARTIN COUNTY LINE

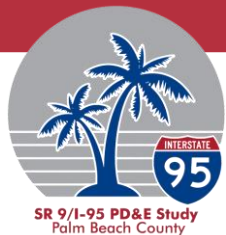
□ Purpose

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

□ Study Objectives

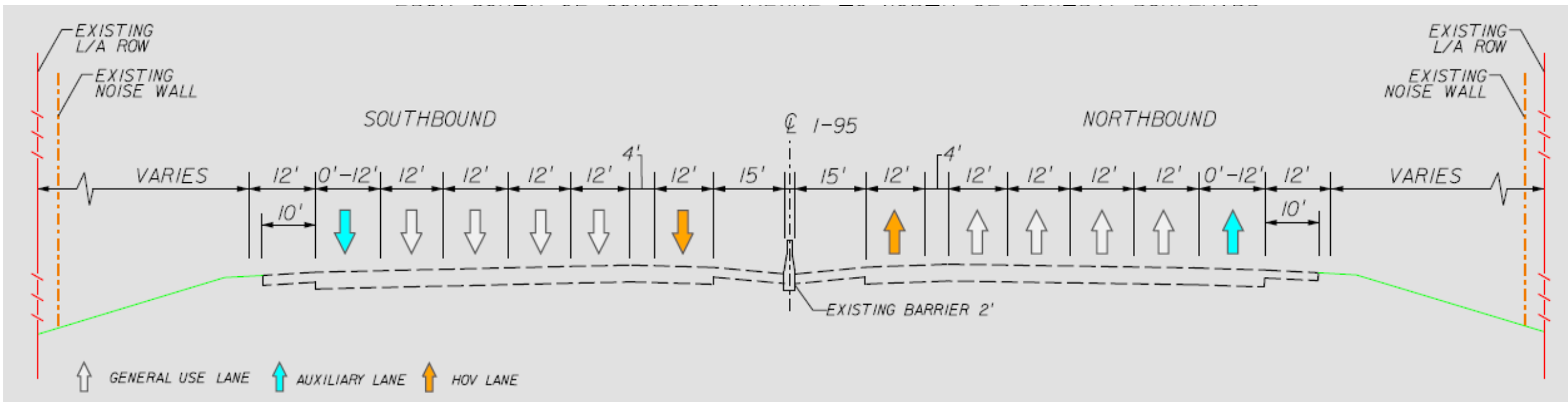
- Identify and document traffic operational deficiencies
- Develop an ultimate capacity improvement plan using traffic demand management and transit techniques
- Compare design constraints, benefits, construction costs, right of way impacts, interagency coordination, and recommendations for further PD&E evaluation





Existing Typical Section

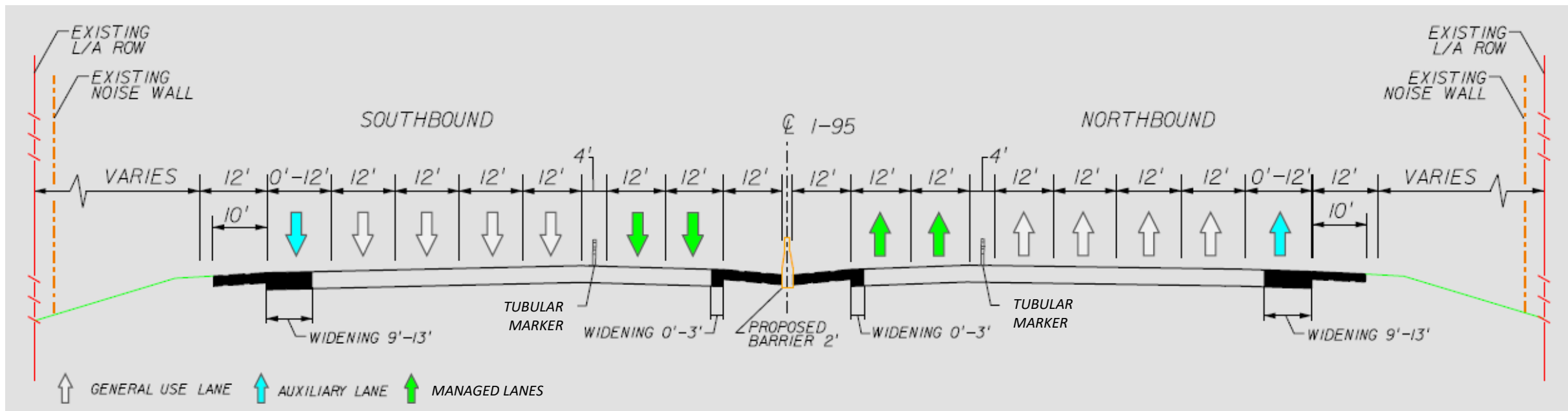
- ❑ 8 General Use Lanes, 12-foot-wide
- ❑ 2 High Occupancy Vehicle (HOV) Lanes, 12-foot-wide
- ❑ 4-foot-wide separation
- ❑ 65 mph posted speed limit
- ❑ SFRC/CSX Railway parallel to I-95 along west side
- ❑ 15-foot-wide inside shoulder





Proposed Master Plan Typical Section

- ❑ 8 General Use Lanes, 12-foot-wide
- ❑ 4 Managed Lanes, 12-foot-wide
- ❑ 4-foot-wide separation
- ❑ 65 mph posted speed limit
- ❑ SFRC/CSX Railway parallel to I-95 along west side
- ❑ 12-foot-wide inside shoulder





Master Plan Stakeholders

Agencies/Municipalities

Palm Beach County TPA
Palm Beach County Public Works
City of Boca Raton
City of Boynton Beach
City of Delray Beach
City of Lake Worth Beach
City of Palm Beach Gardens
City of Riviera Beach
City of West Palm Beach
Town of Cloud Lake
Town of Glen Ridge
Town of Jupiter
Town of Lake Clarke Shores
Town of Lantana
Town of Mangonia Park



PD&E STUDIES FOR SR 9/I-95 FROM SOUTH OF LINTON BOULEVARD/CR 782 TO NORTH OF SR 704/OKEECHOBEE BOULEVARD | Palm Beach TPA

SOUTHERN PD&E STUDY



PROJECT LOCATION

- Strategic Intermodal System (SIS) and National Highway System (NHS) Facility
- Emergency evacuation route

- Palm Beach County
- Project Corridor
- South Florida Rail Corridor

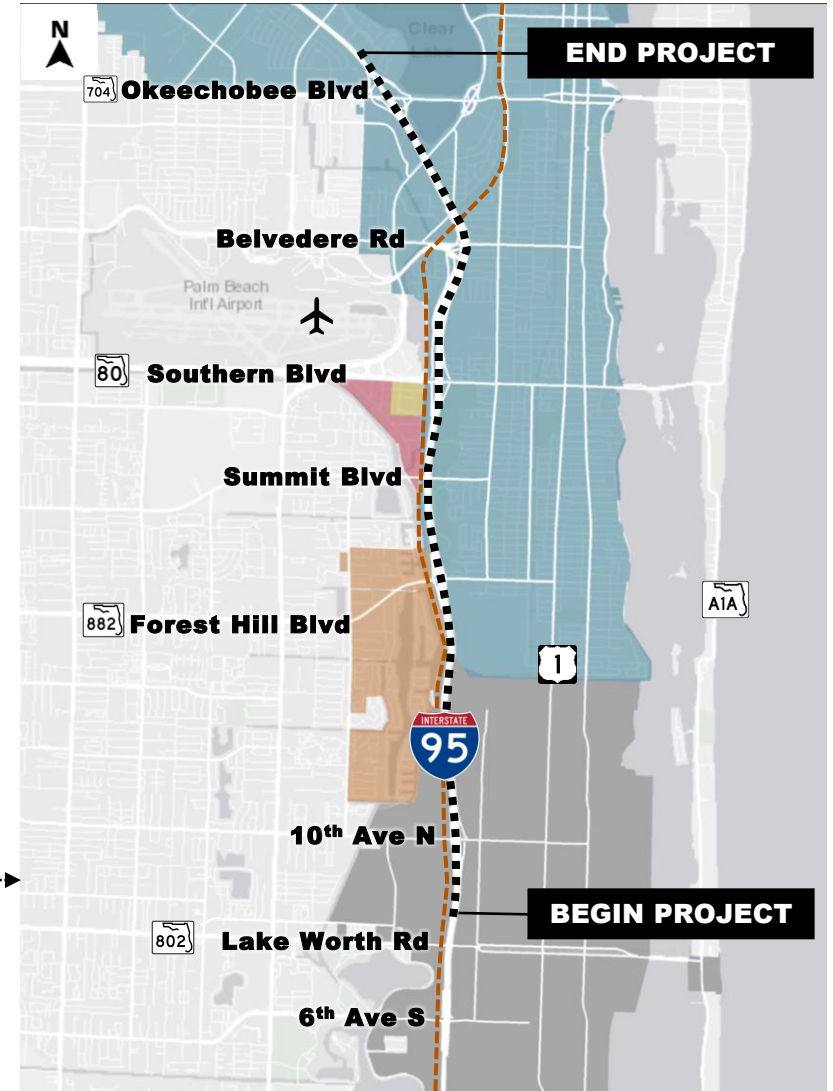
SOUTHERN PD&E STUDY

- Delray Beach
- Boynton Beach
- Lantana
- Lake Worth Beach

NORTHERN PD&E STUDY

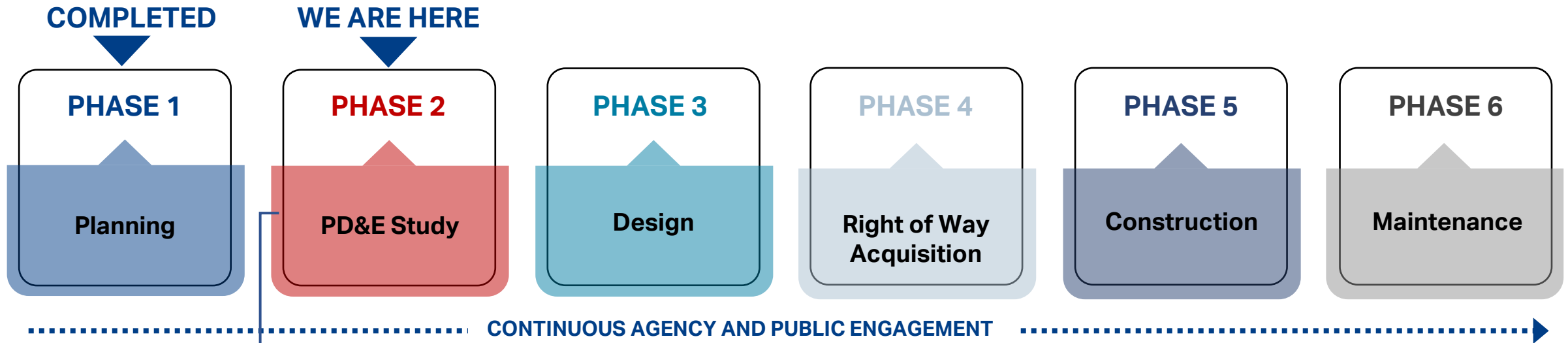
- Lake Worth Beach
- Lake Clarke Shores
- Glen Ridge
- Cloud Lake
- West Palm Beach

NORTHERN PD&E STUDY





FDOT Transportation Project Delivery Process

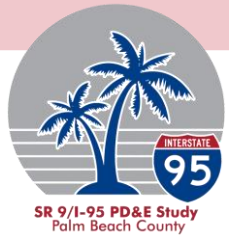


Evaluate:

- Engineering Alternatives
- Environmental Impacts (Social, Cultural, Natural, and Physical Resources)

Comply with:

- National Environmental Policy Act (NEPA)
- Federal and State Environmental Laws
- Requirements Involving Federal Funding



Purpose and Need

The following goals and objectives have been defined for the studies



**Increase
Capacity to
Meet Travel
Demand**



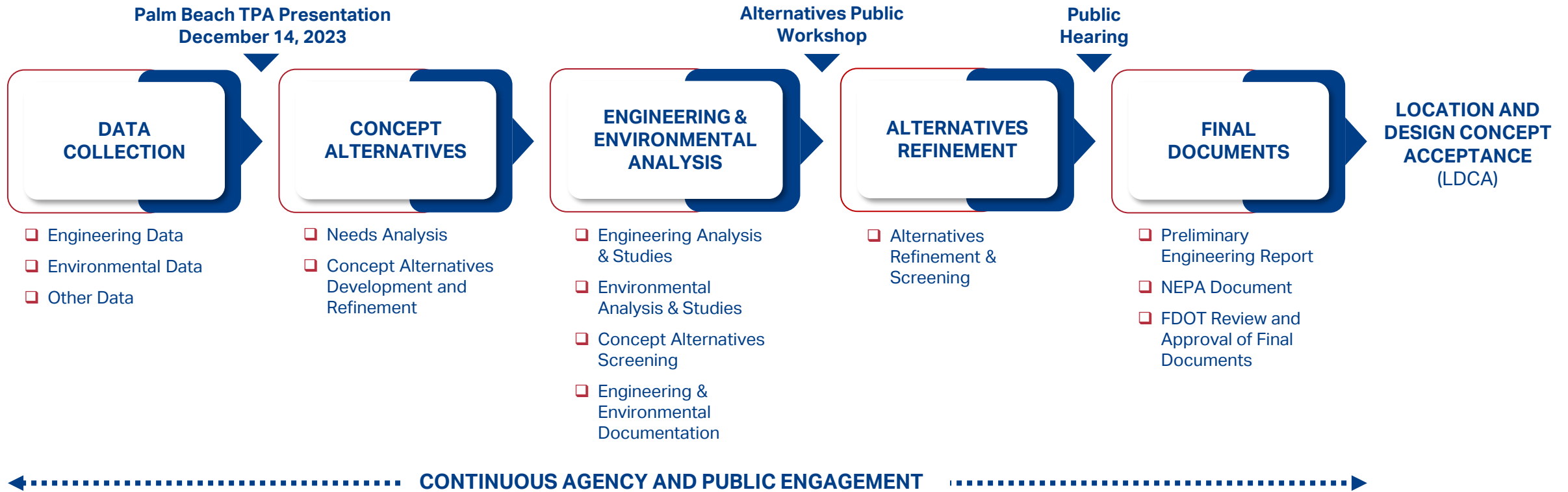
**Operational
and Safety
Needs**



**Modal
Interrelationships**



PD&E Study Process





SR 9/1-95 PD&E Study
Palm Beach County

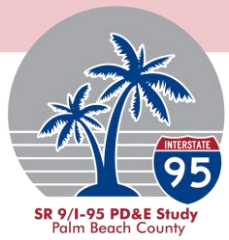
PD&E STUDIES FOR SR 9/I-95 FROM SOUTH OF LINTON BOULEVARD/CR 782 TO NORTH OF SR 704/OKEECHOBEE BOULEVARD | Palm Beach TPA

Engineering

- Roadway Geometry
- Roadway Capacity
- Safety
- Traffic Operations
- Drainage
- Structures
- Right-of-Way Requirements
- Ingress and Egress Access Points
- Multimodal Considerations
- Cost



Crash Analysis



SR 9/I-95 PD&E Study
Palm Beach County

Environmental

- Socio-Cultural Evaluation
- Economic Assessment
- Land Uses (Existing/Future)
- Cultural Resources Assessment
- Recreational Resources
- Wetlands Evaluation
- Mobility
- Water Quality Assessment
- Wildlife and Habitat Assessment
- Noise Study
- Air Quality
- Contamination Screening Evaluation





Public Involvement

- Public Involvement Plan (PIP)
- Project Kick-off Meeting
- Elected Official Meetings
- Agency Meetings
- Public Workshop
- Community Presentations
- Public Hearing
- Project Website

Objectives

- Maintain consistent messaging and transparency
- Understand community concerns
- Create opportunities to engage virtually and in-person
- Coordinate with adjacent projects
- Continuous communication through the life of the projects

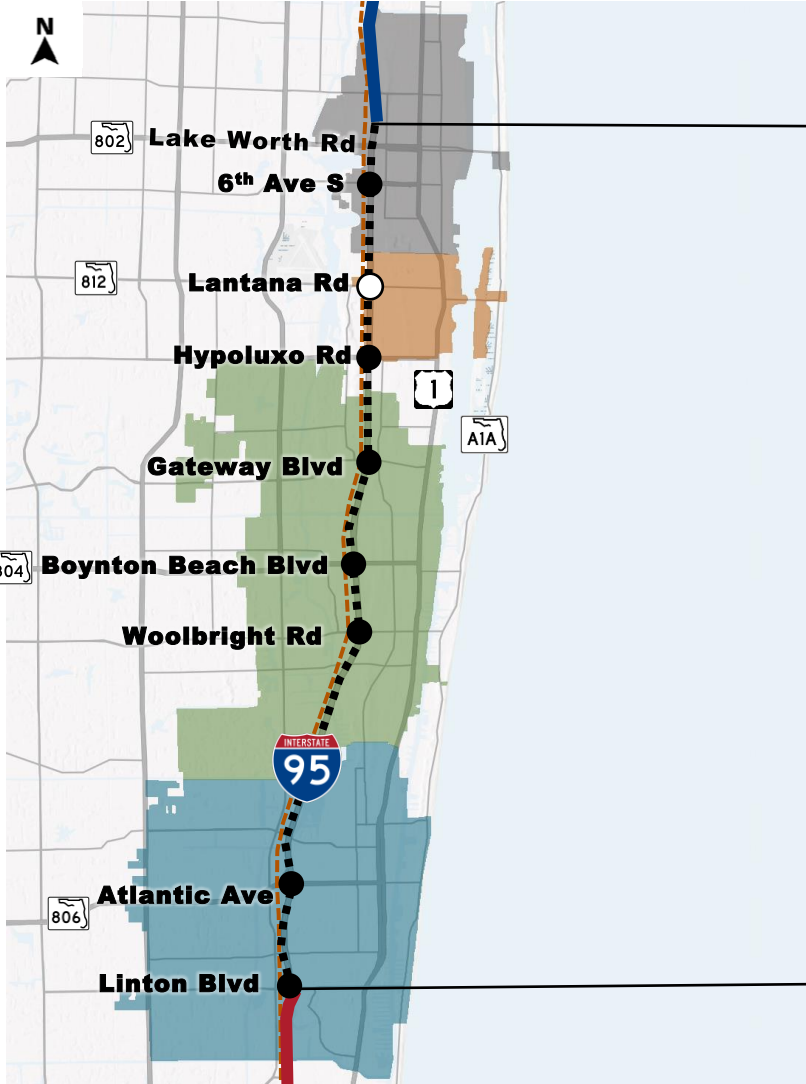
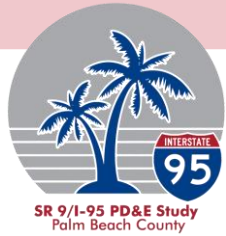
Agencies and Stakeholders Coordination

- Federal and State Agencies**
 - Federal Highway Administration
 - Federal Emergency Management Agency
 - Federal Rail Administration
 - U.S. Army Corps of Engineers
 - U.S. Fish and Wildlife Service
 - Environmental Protection Agency
 - Natural Resources Conservation Service
 - Florida Department of Transportation Office of Environmental Management
 - Division of Historical Resources
 - Department of Agriculture and Consumer Services
 - Environmental Protection Agency
 - Department of Environmental Protection
 - Fish and Wildlife Conservation Commission

- Local Agencies**
 - Palm Beach County
 - Palm Beach Transportation Planning Agency and Committees
 - Cities/Towns/Municipalities
 - Florida Chamber of Commerce
 - South Florida Regional Transportation Authority
 - South Florida Water Management District
 - Treasure Coast Regional Planning Council

- Other Stakeholders**
 - Parks and Recreation
 - Associations
 - Major Businesses
 - Schools
 - Hospitals

PD&E STUDIES FOR SR 9/I-95 FROM SOUTH OF LINTON BOULEVARD/CR 782 TO NORTH OF SR 704/OKEECHOBEE BOULEVARD | Palm Beach TPA



END PROJECT

- Project Limits
- Delray Beach
- Boynton Beach
- Lantana
- Lake Worth Beach
- Urban Principal Arterial
- Minor Arterials
- - - South Florida Rail Corridor

BEGIN PROJECT

Southern PD&E Study

FPID 444202-1-22-02

PD&E Study from South of Linton Boulevard/CR 782 to North of 6th Avenue South (approximately 13.5 miles)

Anticipated completion: Dec 2025

Adjacent Projects

FPID 444202-2-22-02

PD&E Study from North of 6th Avenue South to North of SR 704/Okeechobee Boulevard

Anticipated completion: Dec 2025

Phase 3B from Glades Road to Linton Boulevard/CR 782 under construction

Anticipated completion: Fall 2023



SR 9/I-95 PD&E Study
Palm Beach County



END PROJECT

- Project Limits
- Lake Worth Beach
- Lake Clarke Shores
- Glen Ridge
- Cloud Lake
- West Palm Beach
- Urban Principal Arterial
- Minor Arterials
- - - South Florida Rail Corridor
- Interchanges to be evaluated

BEGIN PROJECT

Northern PD&E Study

FPID 444202-2-22-02

PD&E Study from North of 6th Avenue South to North of SR 704/Okeechobee Boulevard (approximately 7 miles)

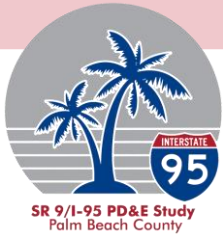
Anticipated completion: Dec 2025

Adjacent Projects

FPID 444202-1-22-02

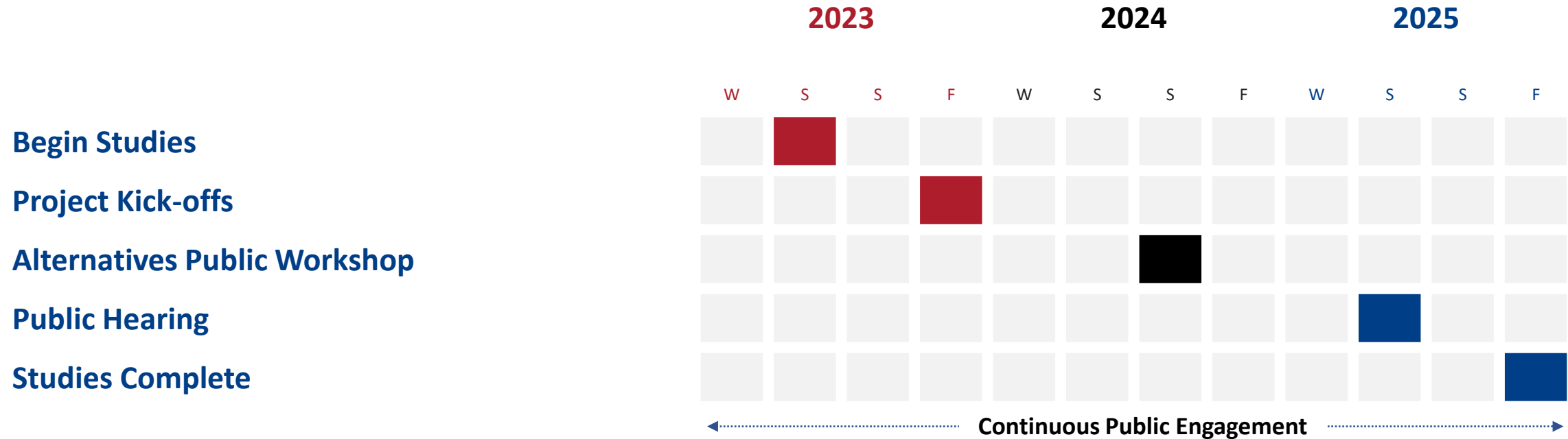
PD&E Study from South of Linton Boulevard/CR 782 to North of 6th Avenue South

Anticipated completion: Dec 2025



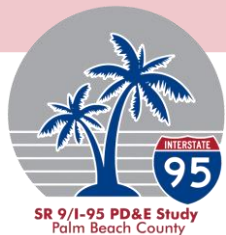
PD&E Studies Project Milestones Schedule

Schedule is Subject to Change



Southern and Northern PD&E Studies Funding (444202-1 and 444202-2): Design: Funded (2027) | Construction: Unfunded

SR 80/Southern Blvd (435516-1): Design: Funded (2026) | Construction: Unfunded



Southern PD&E Study

SR 9/I-95 from South of Linton Boulevard/CR 782 to North of 6th Avenue South

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Northern PD&E Study

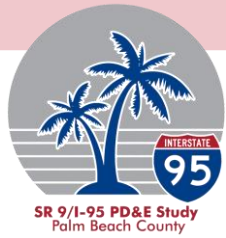
SR 9/I-95 from North of 6th Avenue South to North of SR 704/Okeechobee Boulevard

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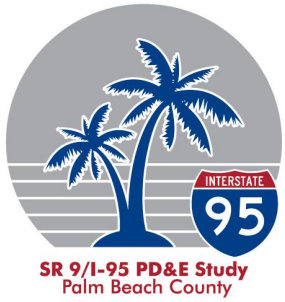


Holiday Season Drive Sober or Get Pulled Over

FLORIDA STATUTE 316.193 DRIVING UNDER THE INFLUENCE (DUI)

Driving Under the Influence (DUI) of alcoholic beverages, chemical substances, or controlled substances is one offense, proved by impairment of normal faculties or an unlawful blood alcohol or breath alcohol level of .08 or above. The penalties upon conviction are the same, regardless of the manner in which the offense is proven.





Palm Beach Transportation Planning Agency

Thank You

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