



**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**

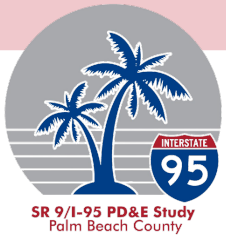
*December 06, 2023*

**VZAC Presentation**

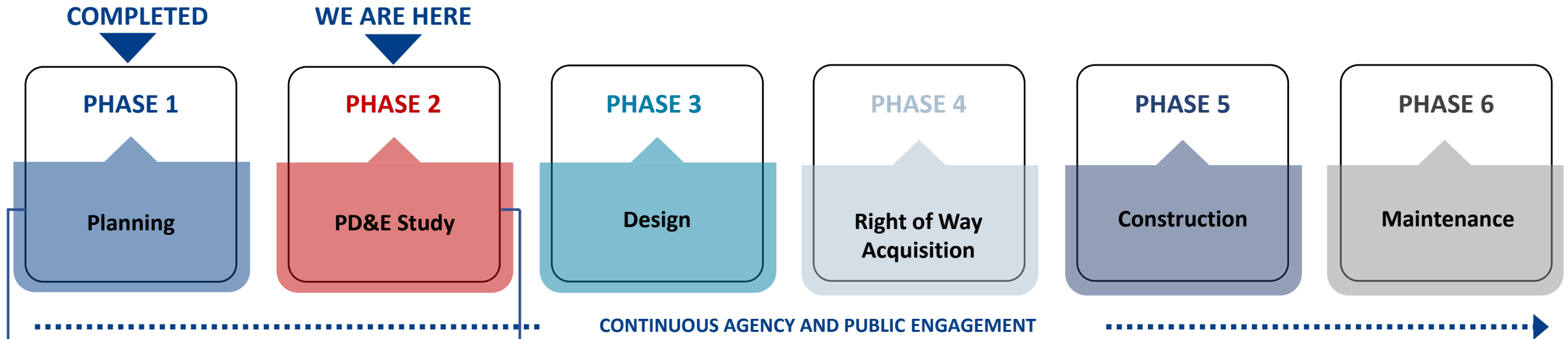
*December 07, 2023*

**TPA Board Presentation**

*December 14, 2023*



# FDOT Transportation Project Delivery Process



### I-95 Managed Lanes Master Plan

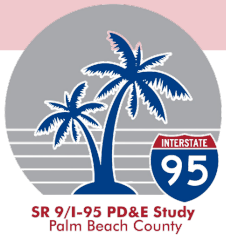
- Completed in March 2019

### 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



## What are Managed Lanes

- MLs are an innovative solution to congestion management
- Limited access to specific vehicle classes by a toll or vehicle volume
- MLs are an alternative to increase capacity
- The Department will prioritize this approach to deploy a transportation system that is:
  - Safe
  - Community centric
  - Accessible



Provide travel choices



Offer predictable travel times



Manage time congestion



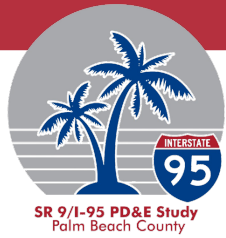
Reduce fuel consumption



Decrease air pollution



Support transit usage



# I-95 Managed Lanes Master Plan

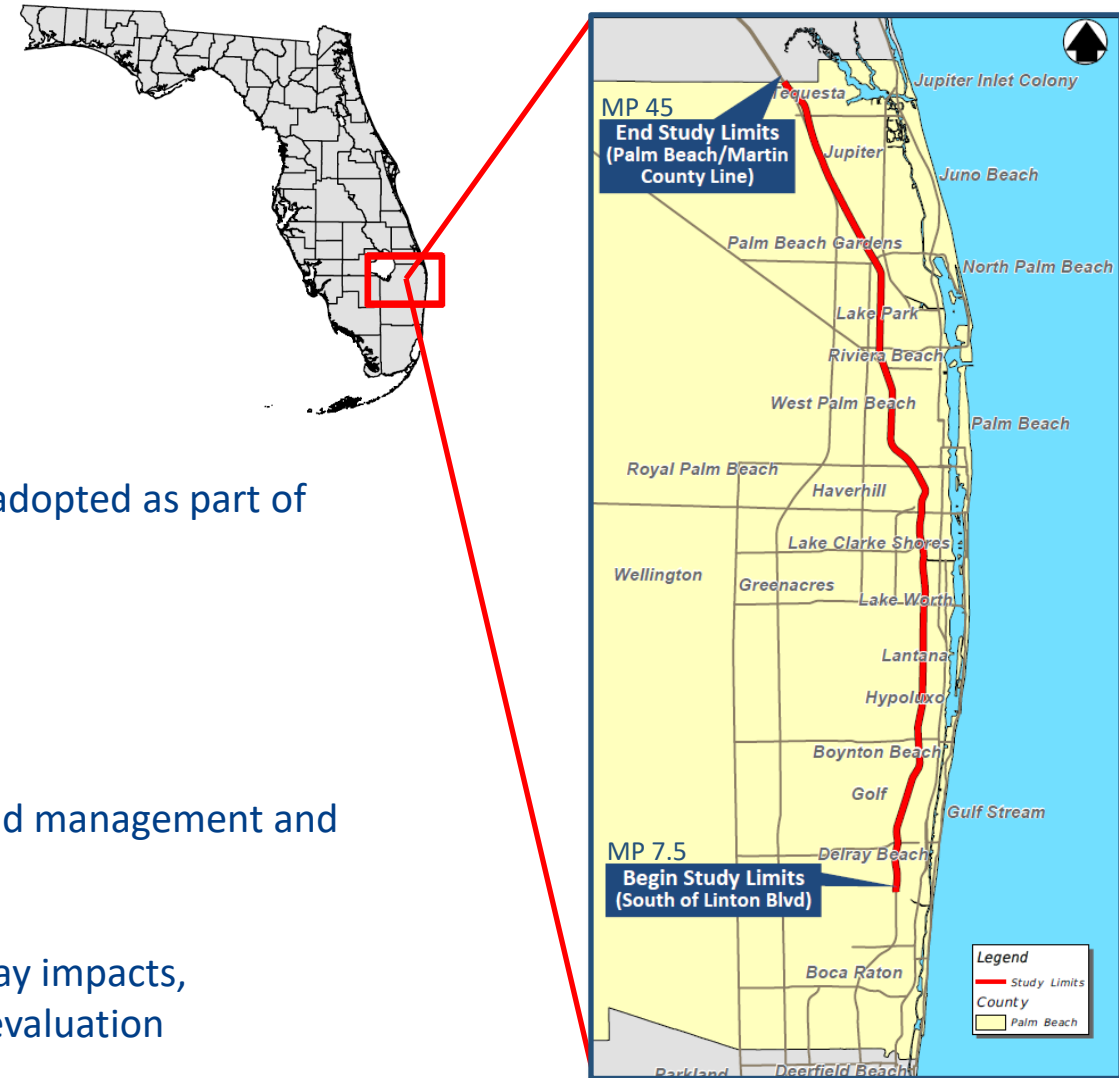
SOUTH OF LINTON BOULEVARD/CR 782 TO MARTIN COUNTY LINE

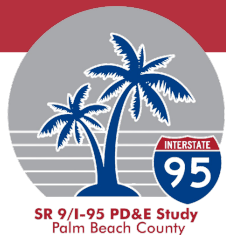
## □ Purpose

- 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

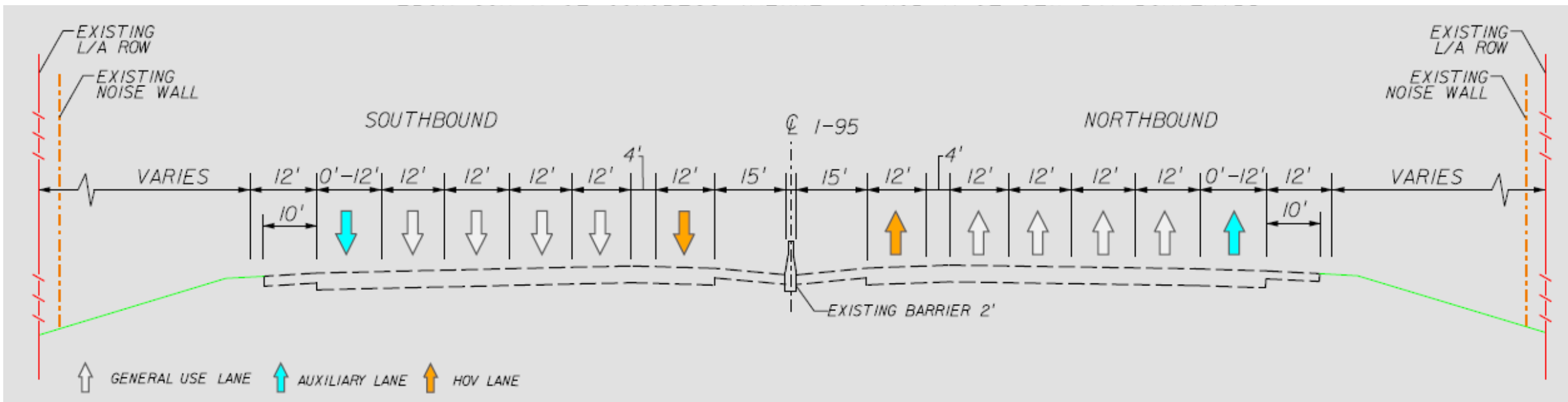
- Identify and document traffic operational deficiencies
- Develop an ultimate capacity improvement plan using traffic demand management and transit techniques
- Compare design constraints, benefits, construction costs, right of way impacts, interagency coordination, and recommendations for further PD&E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





## Existing Typical Section

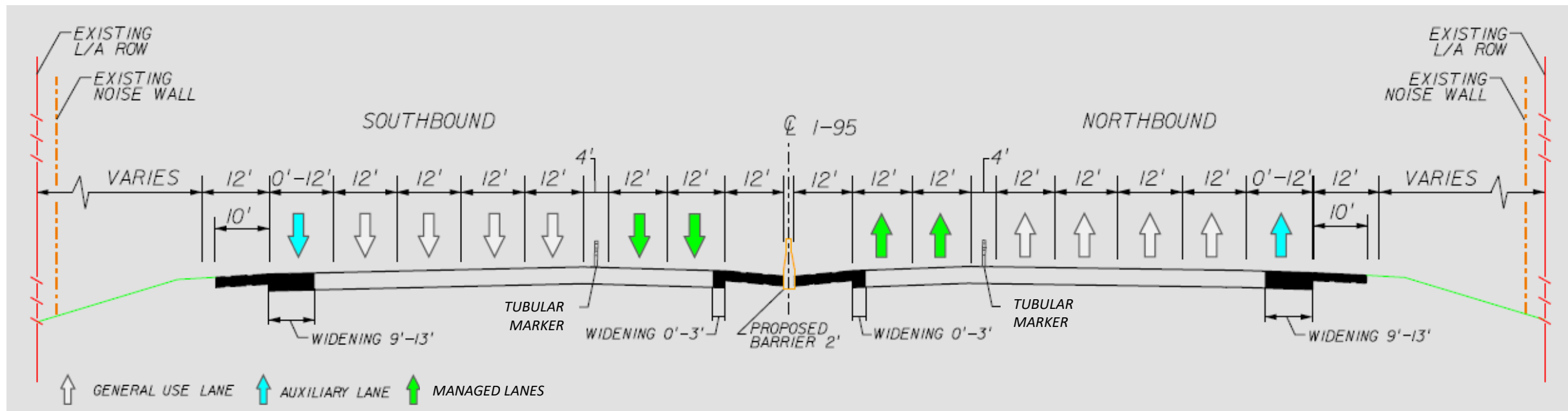
- ❑ 8 General Use Lanes, 12-foot-wide
- ❑ 2 High Occupancy Vehicle (HOV) Lanes, 12-foot-wide
- ❑ 4-foot-wide separation
- ❑ 65 mph posted speed limit
- ❑ SFRC/CSX Railway parallel to I-95 along west side
- ❑ 15-foot-wide inside shoulder





## 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



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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

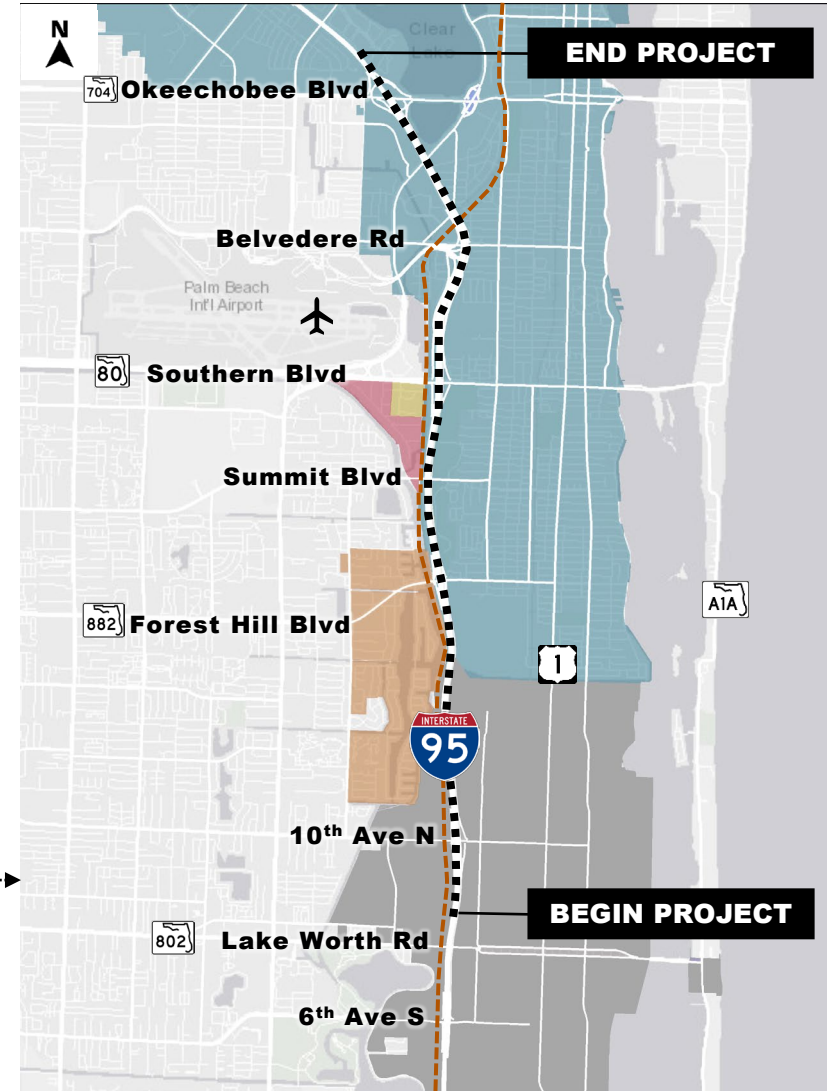
SOUTHERN PD&E STUDY

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

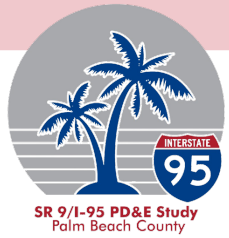
NORTHERN PD&E STUDY

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

NORTHERN PD&E STUDY







## Purpose and Need

The following goals and objectives have been defined for the studies



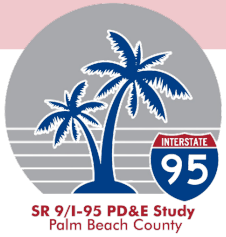
**Increase Capacity  
to Meet Travel  
Demand**



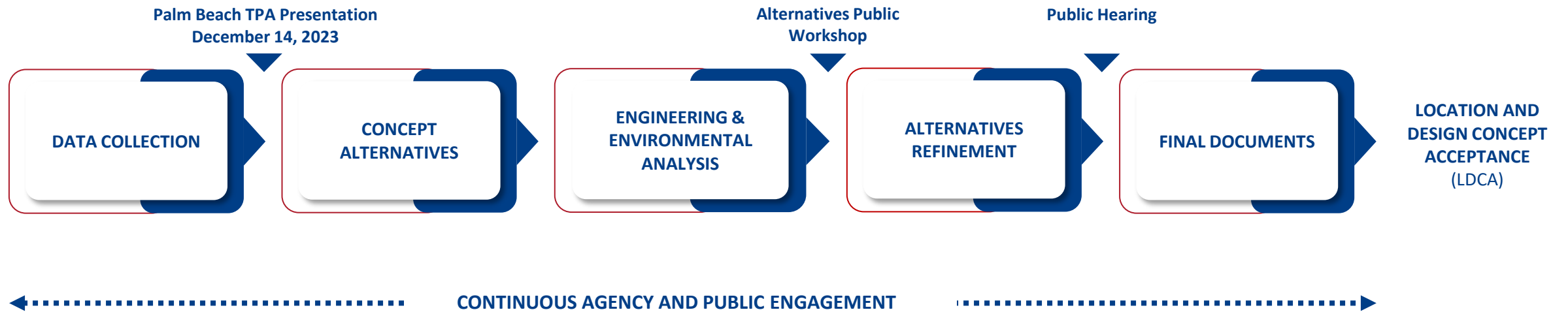
**Operational and  
Safety Needs**

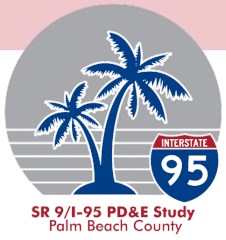


**Modal  
Interrelationships**



# PD&E Study Process

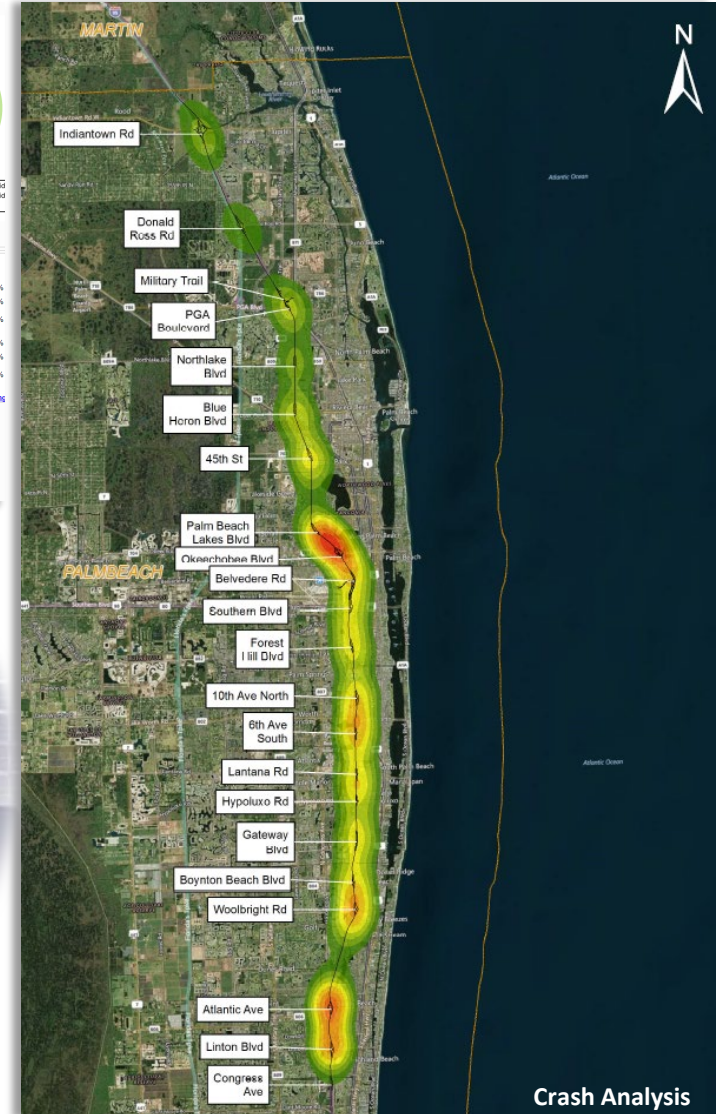


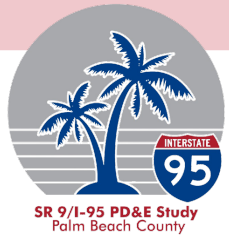


PD&E STUDIES FOR SR 9/I-95 FROM SOUTH OF LINTON BOULEVARD/CR 782 TO NORTH OF SR 704/OKEECHOBEE BOULEVARD | Palm Beach TPA

# Engineering

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





## 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

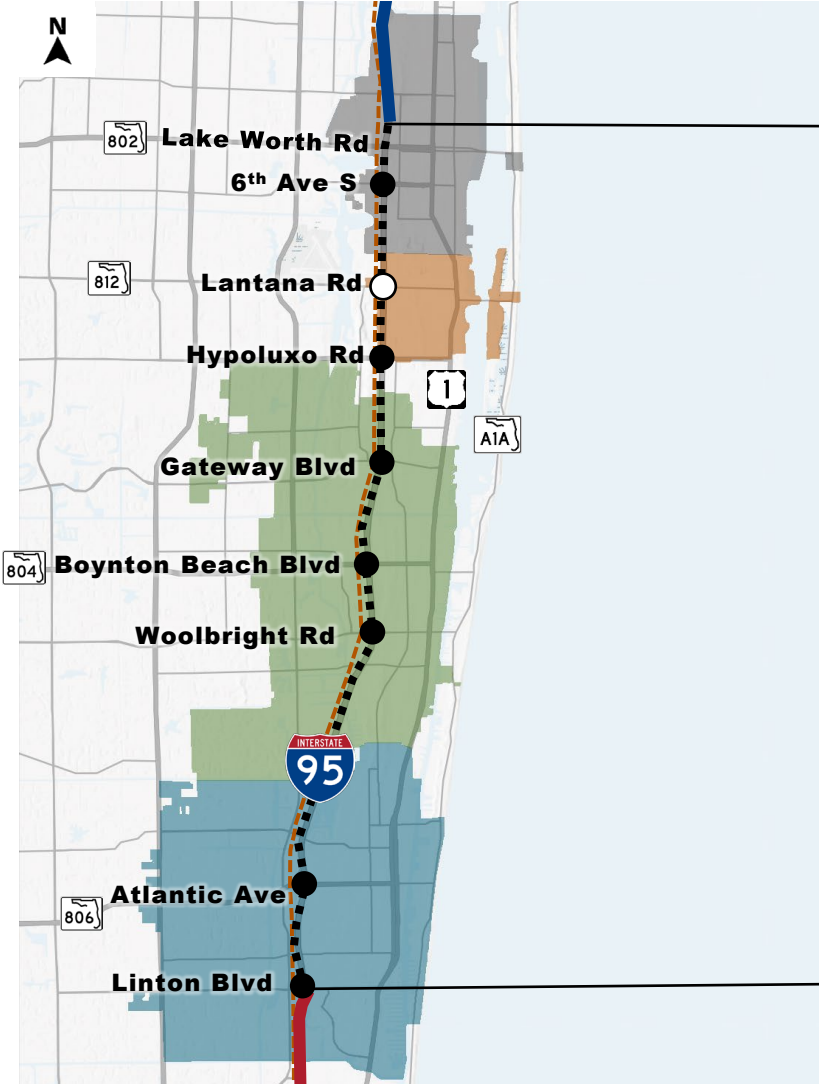
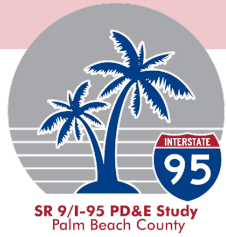
### Local Agencies

- 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 6<sup>th</sup> Avenue South (approximately 13.5 miles)  
**Anticipated completion: Dec 2025**

## Preliminary ML Access Points

- Atlantic Boulevard
- Boynton Beach Boulevard
- Lake Worth Road

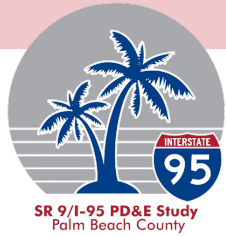
## Adjacent Projects

**FPID 444202-2-22-02**

PD&E Study from North of 6<sup>th</sup> 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**

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
- 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 6<sup>th</sup> Avenue South to North of SR 704/Okeechobee Boulevard (approximately 7 miles)

**Anticipated completion: Dec 2025**

## Preliminary ML Access Points

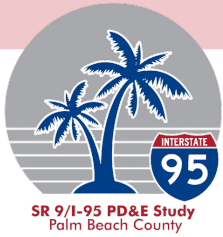
- Forest Hill Boulevard
- Okeechobee Boulevard

## Adjacent Projects

**FPID 444202-1-22-02**

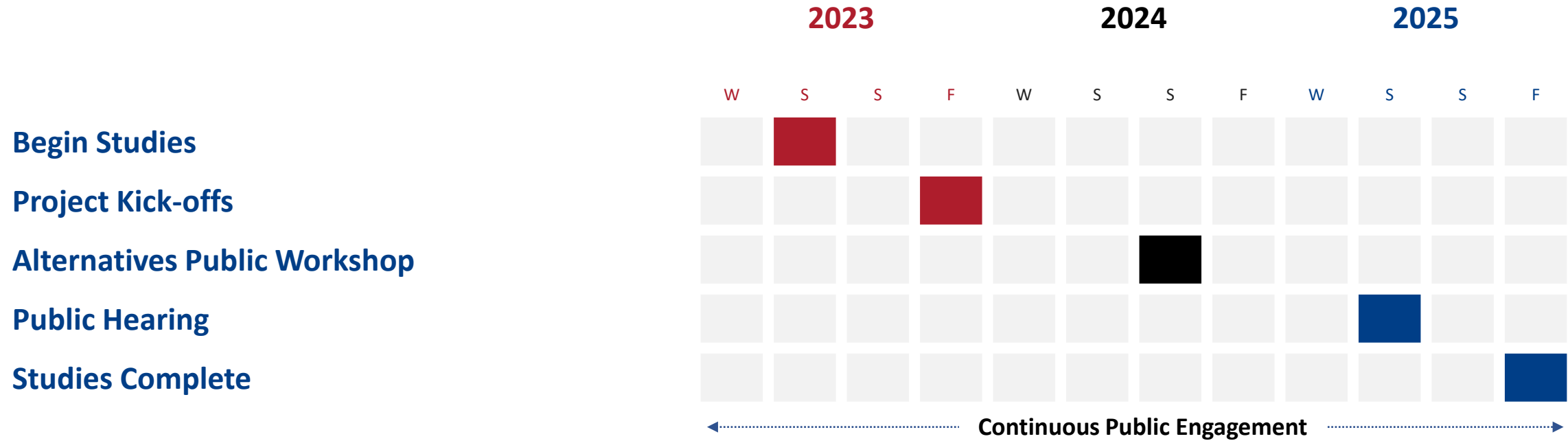
PD&E Study from South of Linton Boulevard/CR 782 to North of 6<sup>th</sup> Avenue South

**Anticipated completion: Dec 2025**



# PD&E Studies Project Milestones Schedule

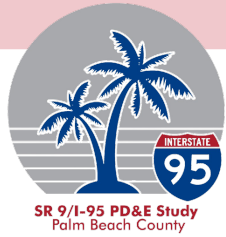
*Schedule is Subject to Change*



**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 6<sup>th</sup> Avenue South

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## Northern PD&E Study

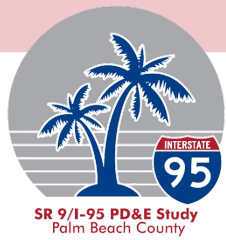
SR 9/I-95 from North of 6<sup>th</sup> Avenue South to North of SR 704/Okeechobee Boulevard

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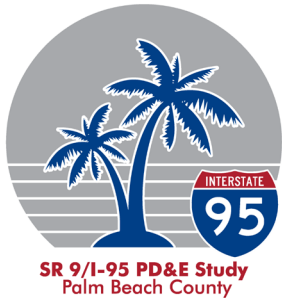


## Holiday Season Drive Sober or Get Pulled Over

### 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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