



SR 9/I-95 AT LANTANA ROAD

Palm Beach County, Florida

FPID No.: 413258-1-22-02

ETDM No.: 14338

PD&E Study

Elected Officials & Agency

Kick-Off Meeting

May 14, 2019



✓ Introduction

- Transportation Development Process
- Project Location and Description
- Project Background
- Purpose and Need

✓ Key Project Issues

- Engineering Issues
- Environmental Issues

✓ Public Involvement

✓ Project Schedule

✓ Contacts

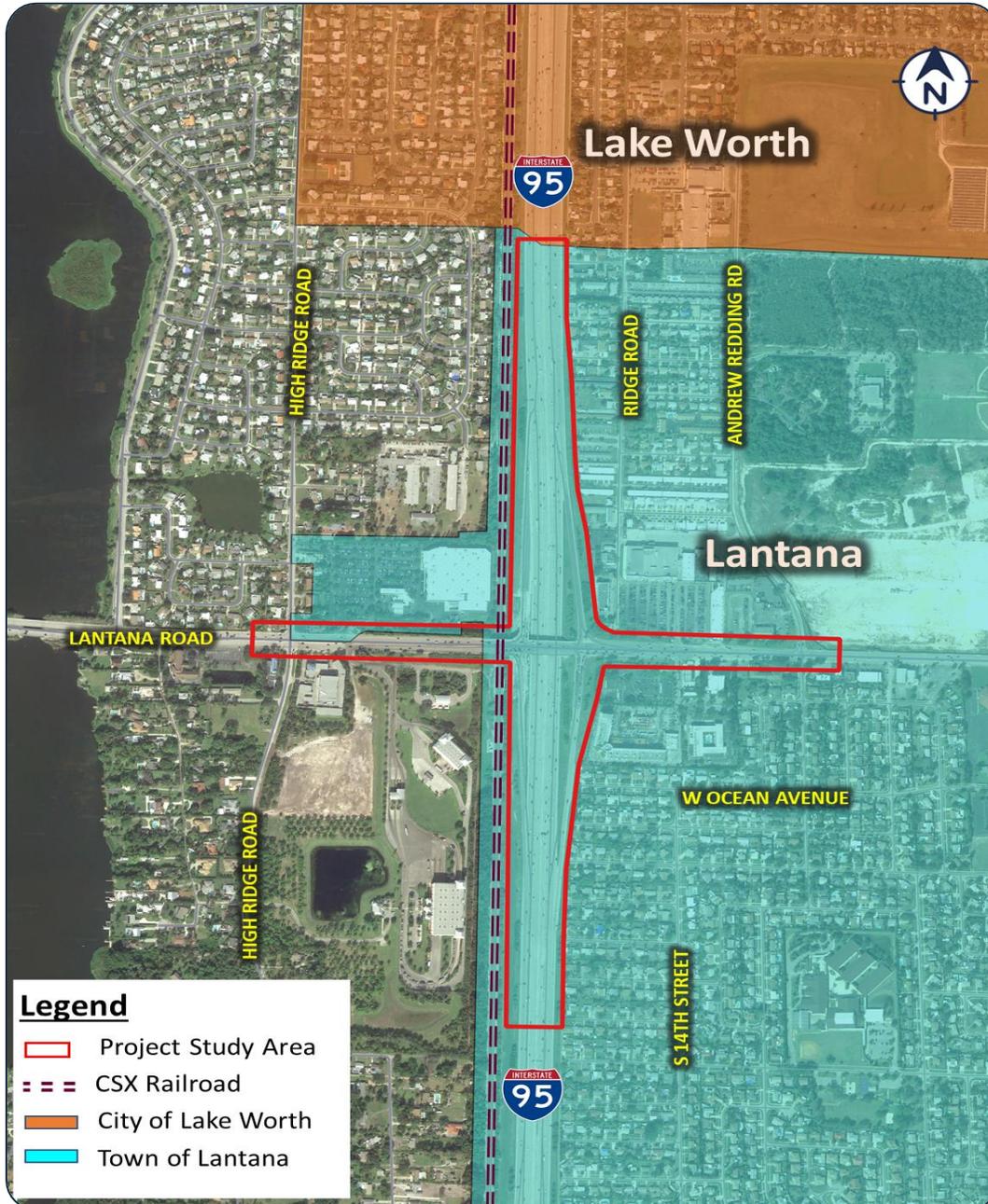


WHY?

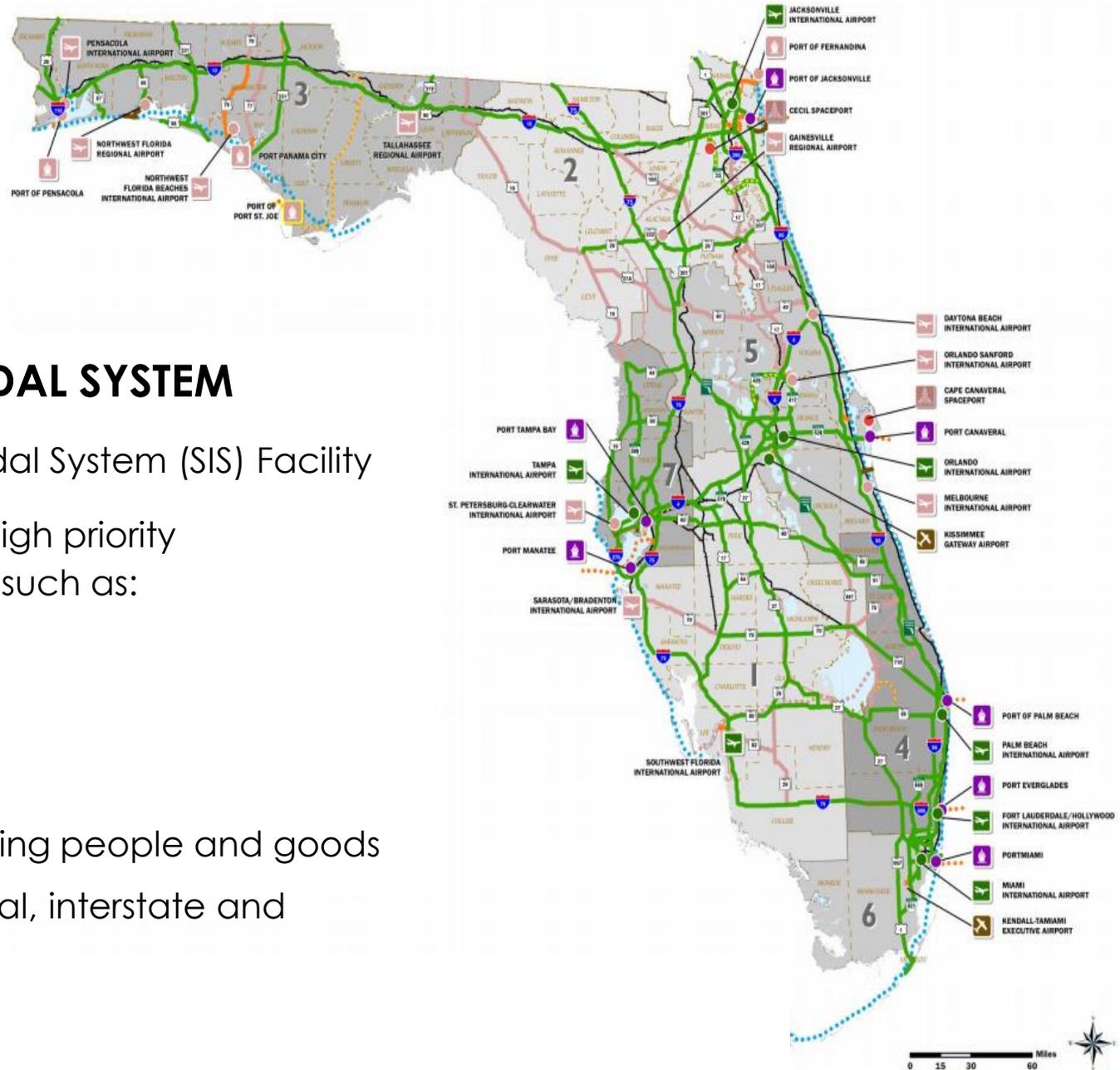
- Evaluate project feasibility and potential environmental impacts (natural, physical, socio-cultural)
- Comply with federal and state environmental laws
- Required to secure federal regulatory approval and funding

WHAT IT INVOLVES?

- Conducting preliminary engineering
- Evaluating options to avoid, minimize, or mitigate potential environmental impacts
- Coordinating with federal, state and local agencies
- Engaging the public in project development



- **Located within the Town of Lantana in Palm Beach County**
- **SR 9/I-95**
 - From North of Hypoluxo Road to South of 6th Avenue S
 - 10-Lane Urban Interstate
 - National Highway System
 - Strategic Intermodal System (SIS)
 - Emergency Evacuation Route
- **Lantana Road**
 - From High Ridge Road to Andrew Redding Road
 - 4-Lane Urban Principal Arterial
 - Palm Beach County Road
 - Emergency Evacuation Route from US-1 to I-95



STRATEGIC INTERMODAL SYSTEM

I-95 is a Strategic Intermodal System (SIS) Facility

- Statewide network of high priority transportation facilities such as:
 - Airports
 - Seaports
 - Rail Corridors
 - Highways
- Primary means for moving people and goods
- Supporting inter-regional, interstate and international trips

- **I-95 Interchange Master Plan – Palm Beach County**

- Completed in December 2014
- 1 of 17 interchanges studied to determine existing and potential future deficiencies
- Identified operational and safety needs
- Developed short-term improvements and long-term conceptual design alternatives

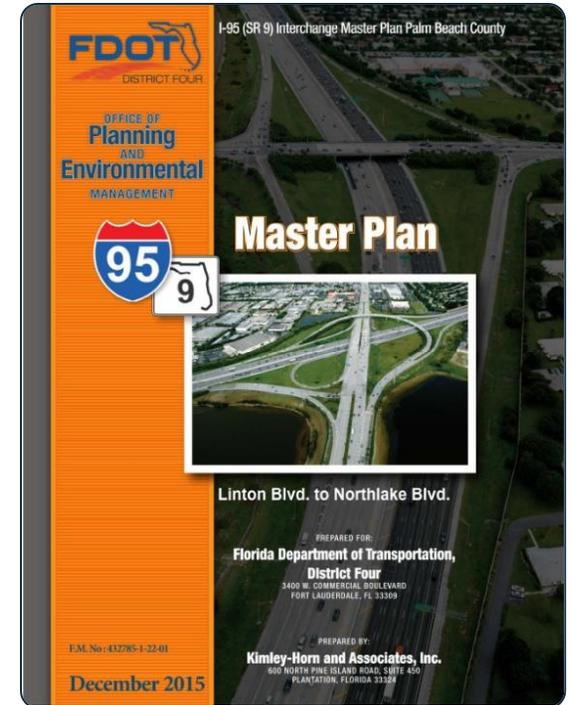
- **Lantana Road at I-95 Interchange – Short-Term Improvements (Completed March 2015)**

- **I-95 Managed Lanes Master Plan**

- Identified long term capacity needs along I-95
- Recommended managed lanes
- Completed in March 2019

- **Adjacent Projects**

- I-95 at 6th Avenue S – (in design)
- I-95 at Hypoluxo Road – (in design)
- Water Tower Commons Development



Project Purpose

Improve the local and regional transportation network while also providing enhanced multimodal interrelationships at the I-95/Lantana Road interchange.

Primary Criteria

- Reduce congestion and improve interchange operations to address traffic spillback onto I-95
- Improve safety conditions by reducing conflicts
- Accommodate future traffic demand

Project Need

Secondary Criteria

- Improve multimodal (pedestrian and bicycle) Connectivity
- Improve freight access and mobility
- Enhance emergency evacuation



Traffic Congestion along Lantana Road west of I-95



I-95 SB Ramp merge Location



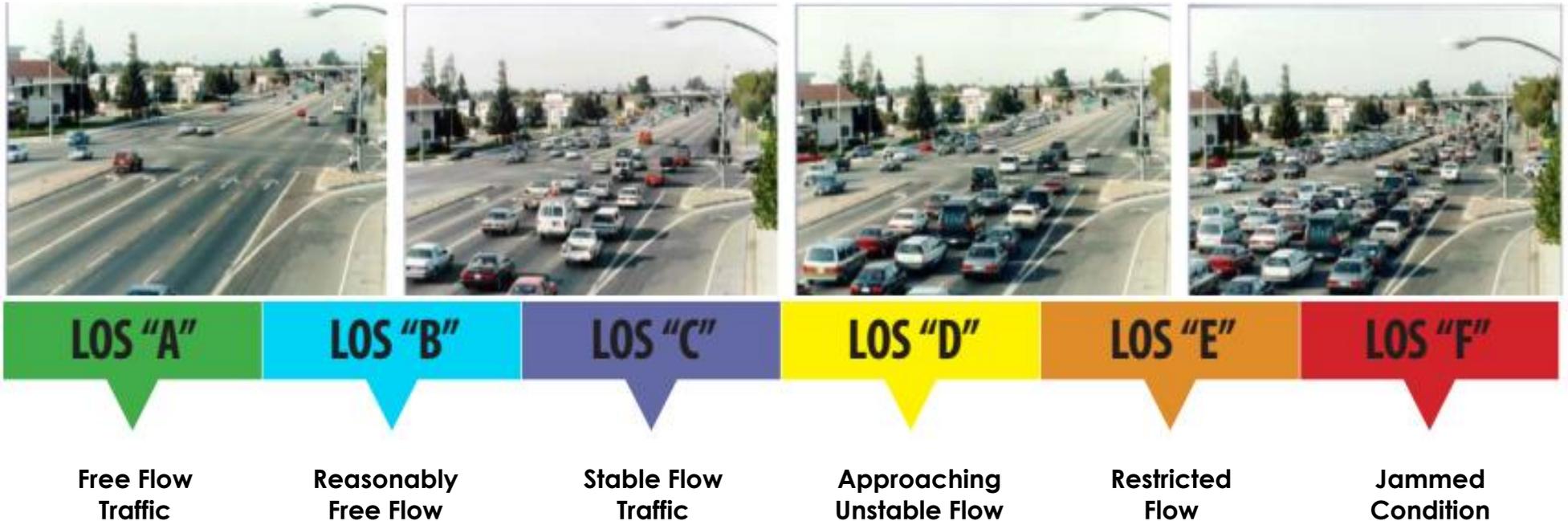
Traffic Congestion along Lantana Road east of I-95



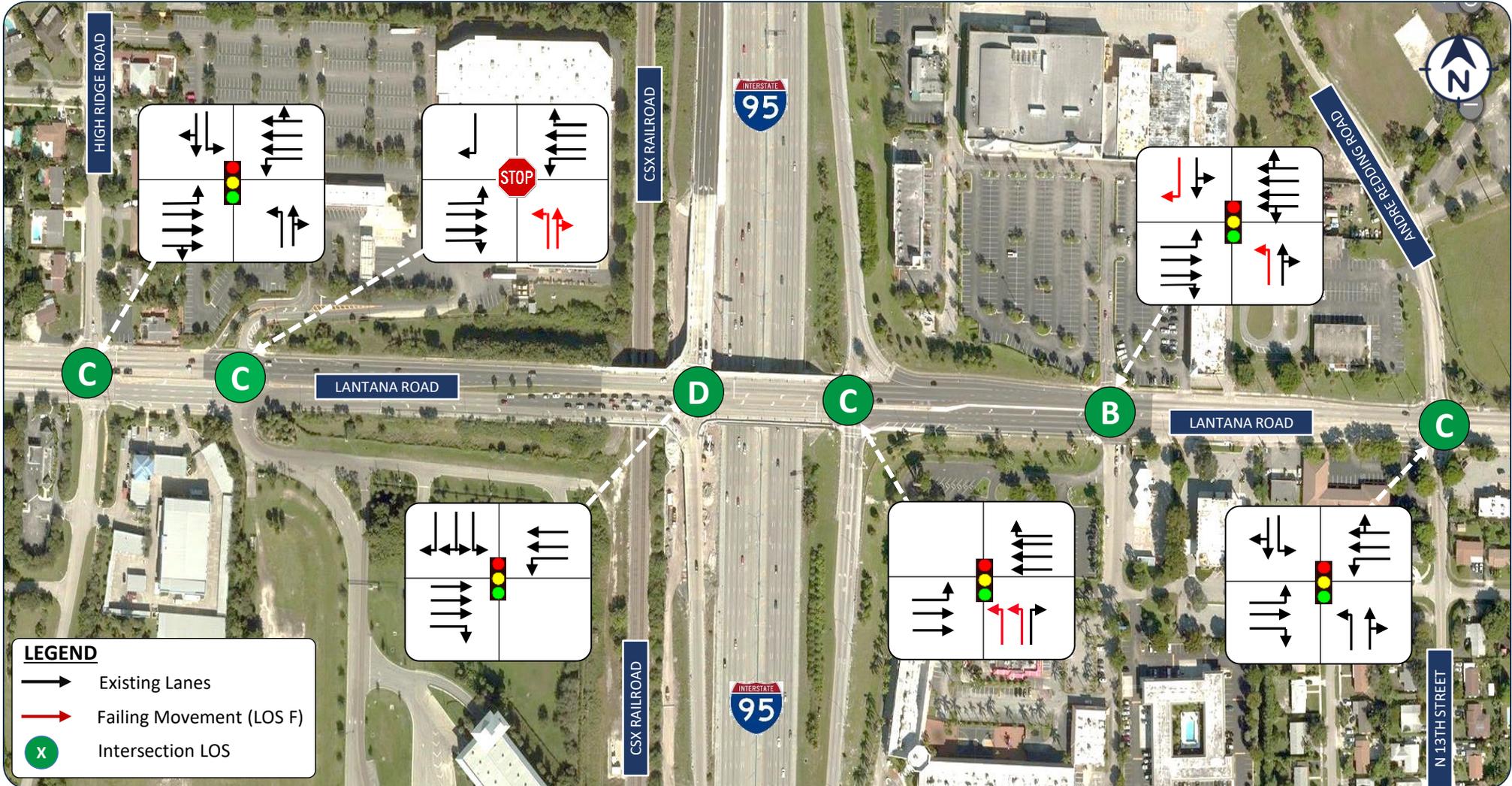
Operational Issues at Sunset Rd (access to Costco)

- **Level of Service (LOS)**

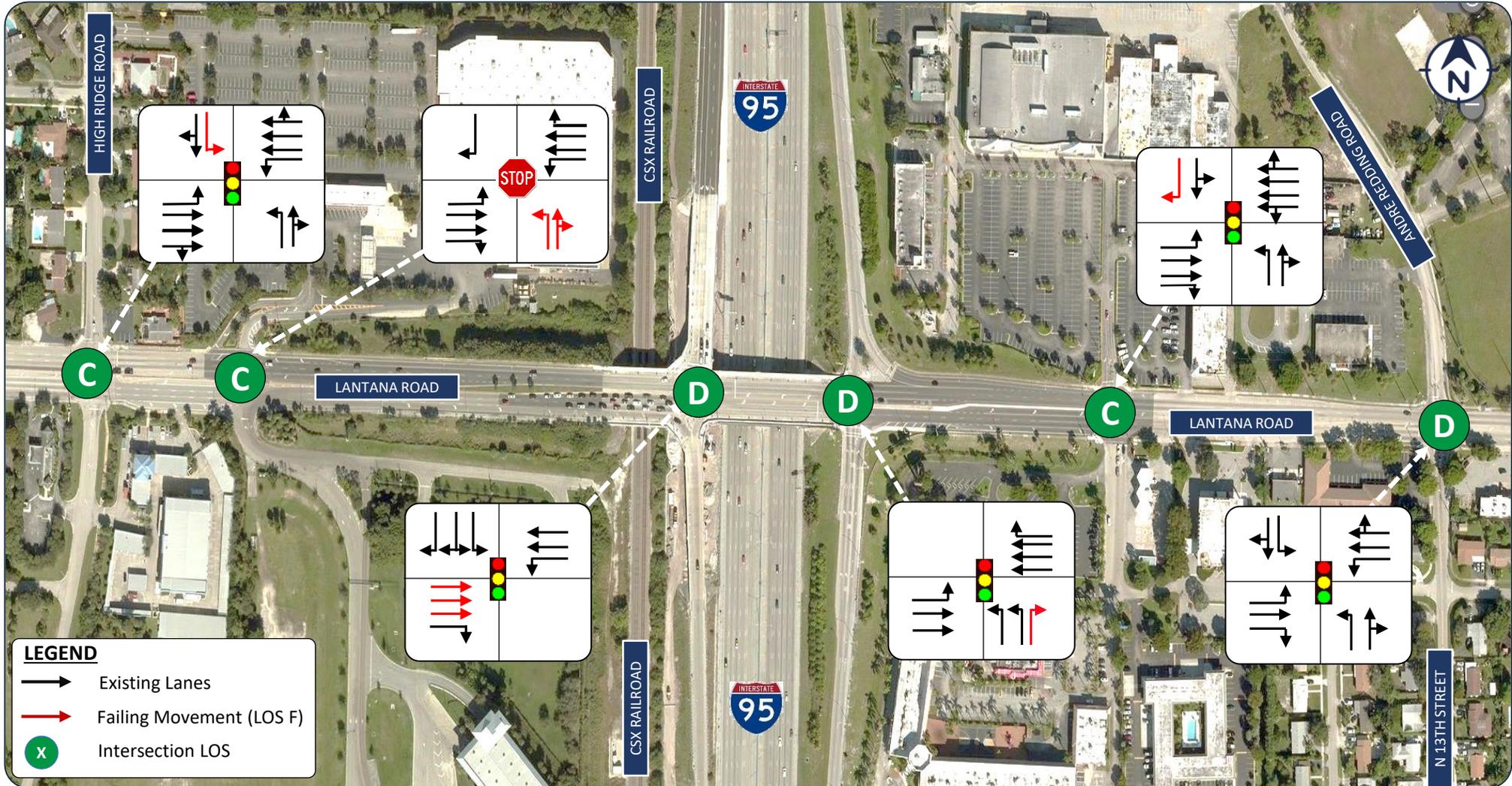
A standard measurement, based on vehicle delay and speed, which reflects the relative ease of traffic flow on a scale of A to F



2017 Existing Year (AM Peak)



2017 Existing Year (PM Peak)

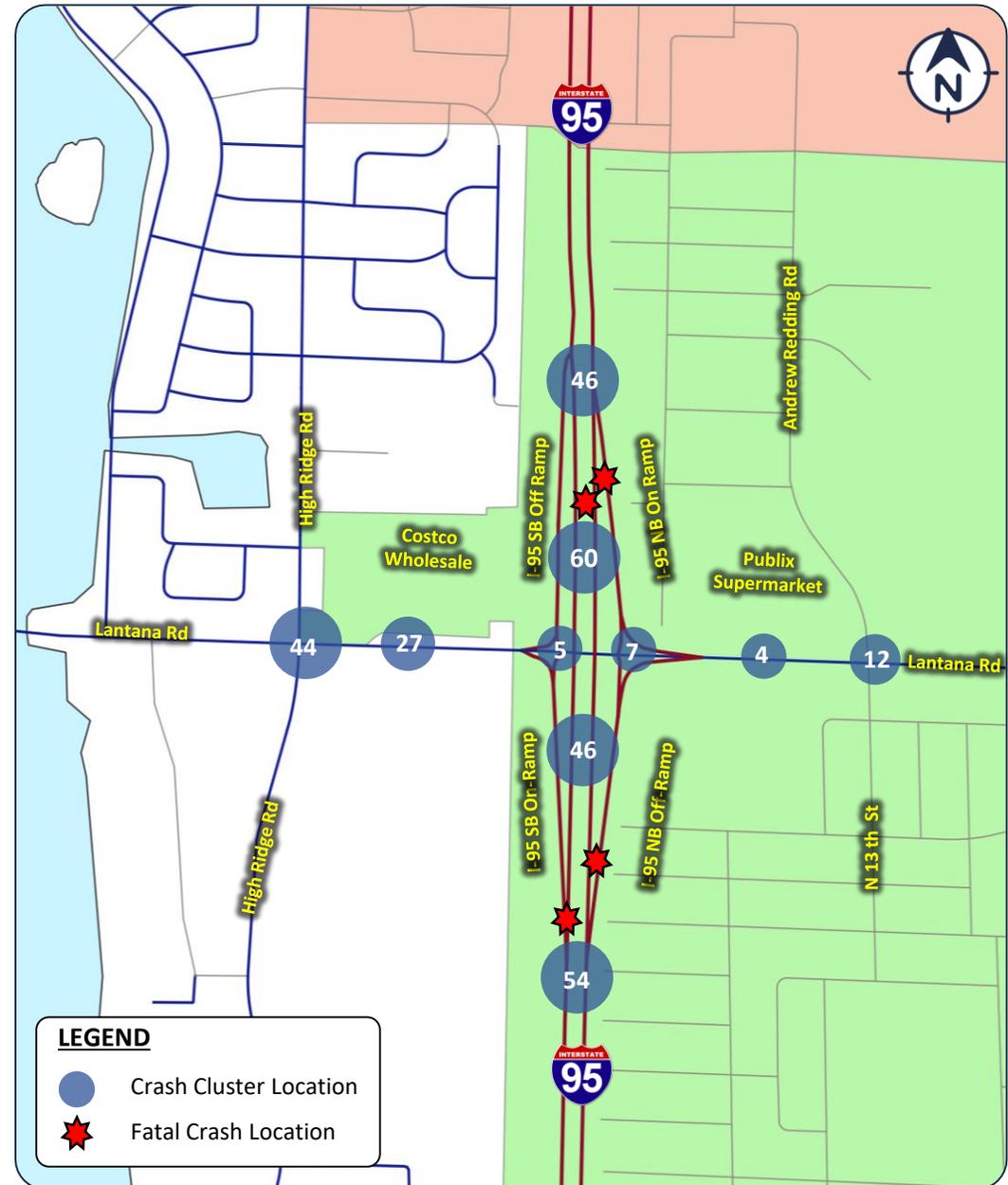


5-year Crash History (2012-2016)

- 477 total crashes reported
 - 4 fatal crashes
 - 216 injury crashes
 - 1 pedestrian crash
 - 1 bicycle crash

- Predominant crash patterns
 - Rear-end (40.0%)
 - Sideswipe (18.0%)
 - Angle (12.6%)

- Crash Clusters
 - High Ridge Road
 - Costco Access Road
 - Andrew Redding Road
 - I-95 NB off-ramp diverge location
 - I-92 SB on-ramp merge location
 - I-95 North of Lantana Road



- **No-Build/No Action**

- Serves as baseline for comparison of the Build Alternatives

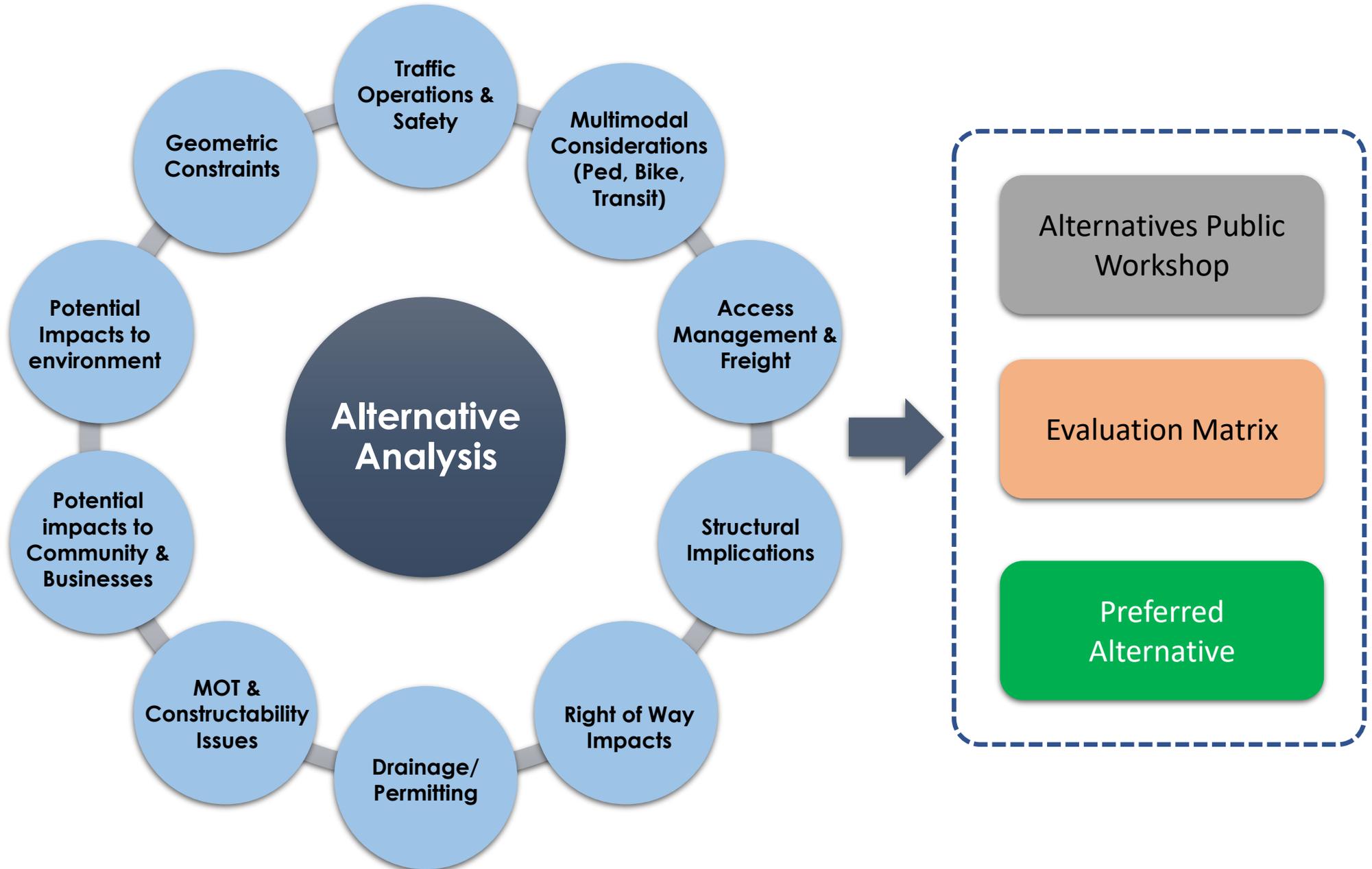
- **Transportation System Management and Operations (TSM&O)**

- Implement ITS strategies to optimize the performance of existing facility
 - Adaptive Signal Technology System
 - Ramp Metering
 - Wrong Way detection Technology
 - Ramp and Intersection Queue Detection

- **Build Alternatives**

- Build Alternative 1 – Tight Urban Diamond Interchange
 - Build Alternative 2 – Diverging Diamond Interchange
 - Build Alternative 3 – Single Point Urban Interchange





Efficient Transportation Decision Making (ETDM) # 14338

- Enables agencies and the public to provide early input regarding the potential effects of proposed transportation projects
- Class of Action = Categorical Exclusion Type II**
- Programming Summary Report available at <https://etdmpub.flas-etat.org>

LEGEND	
	Not Applicable
	None
	Enhanced
	Minimal
	Moderate
	Substantial
	Potential Dispute or Resolution Dispute
	No ETAT Consensus
	No ETAT Reviews

Social and Economic							Cultural			Natural					Physical					
Land Use Changes	Social	Relocation Potential	Farmlands	Aesthetic Effects	Economic	Mobility	Section 4(f) Potential	Historic and Archaeological Sites	Recreation Areas	Wetlands and Surface Waters	Water Quality and Quantity	Floodplains	Wildlife and Habitat	Coastal and Marine	Noise	Air Quality	Contamination	Infrastructure	Navigation	Special Designations
2	3	2	0	2	2	1	0	3	2	2	2	2	2	0	2	2	2	2	N/A	0



SOCIAL & ECONOMIC

- Land Use Changes
- Social
- Relocation Potential
- Aesthetic Effect
- Economic
- Mobility



CULTURAL RESOURCES

- Historic and Archaeological Sites
- Recreational Areas

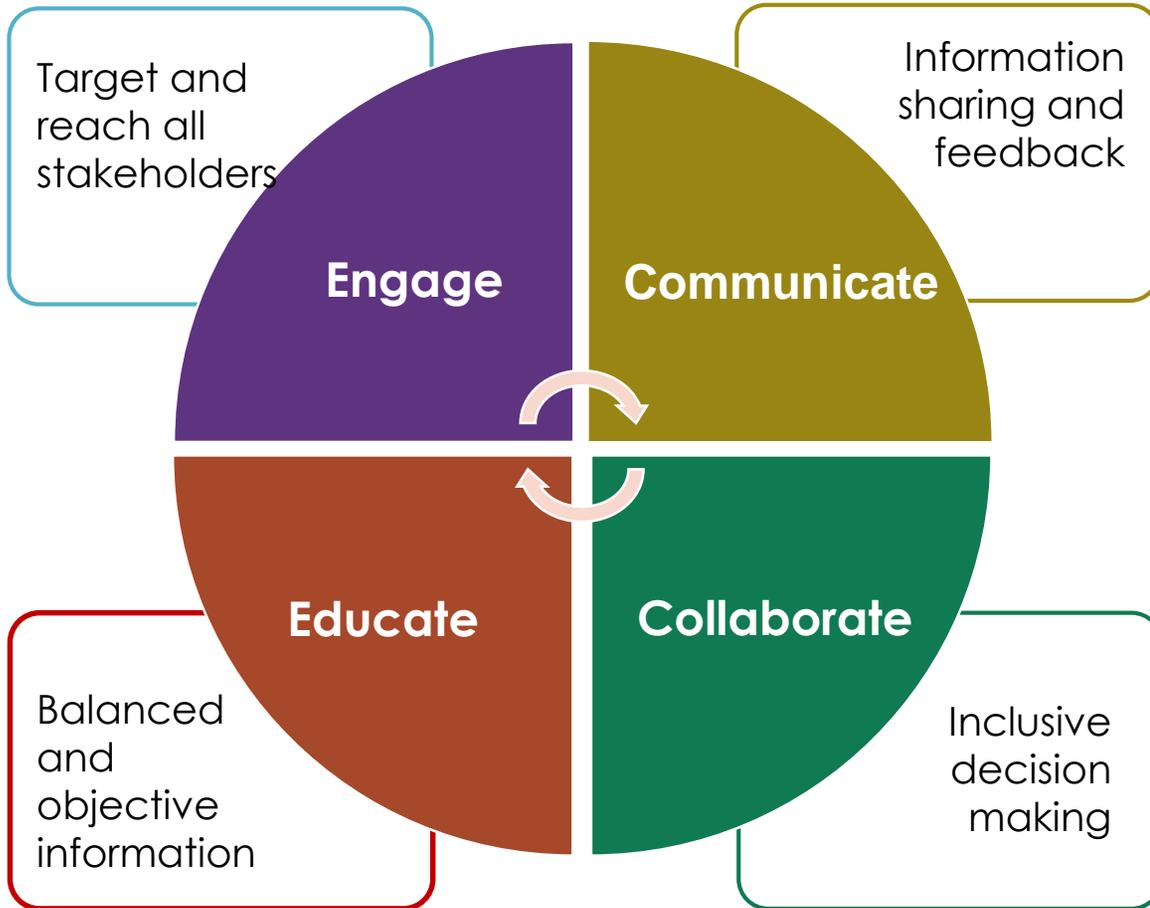


NATURAL RESOURCES

- Wetlands and Other Surface Waters
- Threatened and Endangered Species
- Water Quality & Quantity

PHYSICAL ENVIRONMENT

- Noise
- Air Quality
- Contamination



PUBLIC MEETINGS

- Public kickoff meeting
- Alternatives Public Workshop
- Public Hearing

COORDINATION MEETINGS

- Elected Officials
- Palm Beach TPA Board
- Town of Lantana
- CSX Railroad
- South Florida Water Management District (SFWMD)
- Treasure Coast Regional Planning Council (TCRPC)
- Florida Department of Environmental Protection (FDEP)

INFORMAL MEETINGS

- Lake Osborne Estates
- Costco
- Publix
- Sunshine Park Academy
- Interested Stakeholders

GET INVOLVED!

Attend Public Meetings

- Agency and Public Kick-off Meetings
- Alternative Public Workshop
- Public Hearing
- Additional opportunities to be provided throughout the study

Provide your input

- Complete a comment form today
- Drop in a comment box
- Mail comment to the address listed on the form
- Provide comments on our website www.fdot.gov/projects/95lantana

Florida Department of Transportation, District Four
Public Kick-Off Meeting
Comment Sheet

<p>Project Information</p> <p>State Road (SR) 91-95 at Lantana Road Project Development & Environment (PD&E) Study Palm Beach County, Florida Financial Project Identification (FPID) Number: 413258-1-22-02 Efficient Transportation Decision Making (ETDM) Number: 14338 5:30 p.m. to 7:30 p.m. Tuesday, May 14, 2019</p>	<p>Public Meeting Location</p> <p>Lantana Road Branch Library 4020 Lantana Road Lake Worth, FL 33462</p>
Empty space for comments	
<p>Name _____</p> <p>Address _____</p> <p>Phone Number _____</p> <p>E-mail _____</p> <p style="font-size: small;">For information, please contact Vandana Nagole, P.E., Project Manager by telephone at (954) 777-4281 or toll free (866) 336-8435, ext. 4281, or by email at Vandana.Nagole@dot.state.fl.us. Visit our website, www.fdot.gov.</p>	

Florida Department of TRANSPORTATION

[E-Updates](#) | [FL511](#) | [Site Map](#)

[Home](#) | [About FDOT](#) | [Contact Us](#) | [Maps & Data](#) | [Offices](#) | [Performance](#) | [Projects](#)

→ **FDOT Website**

SR 9/I-95 at Lantana Road PD&E Study

District Office
 Gerry O'Reilly
 District Four Secretary

3400 W Commercial Blvd.
 Fort Lauderdale, FL 33309

Tel: 954-777-4091
 Fax: 954-777-4528
[E-Mail Us](#)

Additional Contacts
[Staff Directory](#)



→ **Project Website**

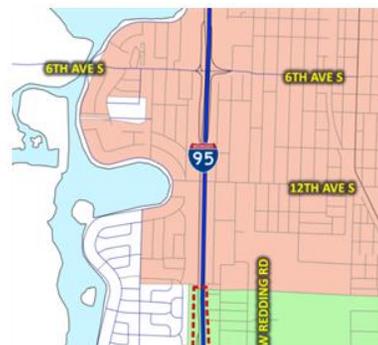
Welcome

The Florida Department of Transportation (FDOT), District Four, is conducting a Project Development and Environment (PD&E) Study for State Road (SR) 9/Interstate 95 (I-95) at Lantana Road Interchange in Palm Beach County. The primary purpose of the project is to enhance overall traffic operations and safety at the existing interchange of SR 9/I-95 and Lantana Road by providing improvements that will address the existing congestion and accommodate future travel demand at the interchange.

Project Resources

- [About the Project](#)
- [Documents & Publications](#)
- [Email Updates](#)
- [Photos](#)
- [Public Notices](#)
- [Schedule](#)
- [More...](#)

Project At-A-Glance



District
 Four

PD&E Study Start Date
 January 2019

PD&E Study Completion Date
 March 2021

Construction Cost
 TBD

Project Limits
 The study limits extends along Lantana

--- → **Project Directory**

VISIT OUR WEBSITE:
www.fdot.gov/projects/95lantana

ACTIVITY	2019				2020				2021			
	Winter	Spring	Summer	Fall	Winter	Spring	Summer	Fall	Winter	Spring	Summer	Fall
Begin Study	★											
Data Collection	■											
Agency and Public Kick-Off		★										
Develop and Analyze Alternatives		■										
Initial Environmental Studies		■										
Alternatives Public Workshop				★								
Develop Preferred Alternative				■								
Public Hearing							★					
Final PD&E and Environmental Documents							■					
Location and Design Concept Acceptance									★			
Public Involvement	■											

Vandana Nagole, P.E.

Project Manager

Florida Department of Transportation, District 4
3400 West Commercial Boulevard
Fort Lauderdale, Florida 33309

Telephone: (954) 777-4281

Toll Free: (866)366-8435, ext. 4281

Email: vandana.nagole@dot.state.fl.us

Project Website: www.fdot.gov/projects/95lantana

Thank You