



SR-9/I-95 @ SR-842/Broward Boulevard Interchange Improvements

Project Development & Environment Study

FPID 435513-1-22-01 ETDM No: 14226

Alternatives Public Workshop Presentation

September 14, 2017



Presentation / Meeting Agenda

- Review the Project
- Review the Study Process and Schedule
- Review the Existing Conditions
- Project Considerations
- Alternatives Being Considered
 - Mainline I-95 Alternative
 - Interchange Alternatives
 - Park-and-Ride Alternatives
- Receive Comments from Residents and Stakeholders
 - Questions and Concerns
 - Comment Forms

Title VI

The Florida Department of Transportation is required to comply with various Non-discrimination laws and regulations, including Title VI of the Civil Rights Act of 1964

Public participation is solicited without regard to race, color, national origin, age, sex, religion, disability, or family status.

Persons wishing to express their concerns about Title VI may do so by contacting either:

**Florida Department of Transportation District Four
District Four Title VI Coordinator
Shavon Nelson
Title VI Program Office
3400 West Commercial Boulevard
Fort Lauderdale, Florida 33309-3421
(954) 777-4389
Toll Free: (866) 336-8435 ext. 4389
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**Florida Department of Transportation Central Office
Statewide Title VI Coordinator
Jacqueline Paramore
Equal Opportunity Office
605 Suwannee Street, MS 65
Tallahassee, Florida 32399-0450
(850) 414-4753
Toll Free: (866) 374-FDOT (3368)
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Memorandum of Understanding Disclosure

The environmental review, consultation, and other actions required by applicable federal environmental laws for this project are being, or have been, carried-out by FDOT pursuant to 23 U.S.C. 327 and a Memorandum of Understanding dated December 14, 2016, and executed by FHWA and FDOT.

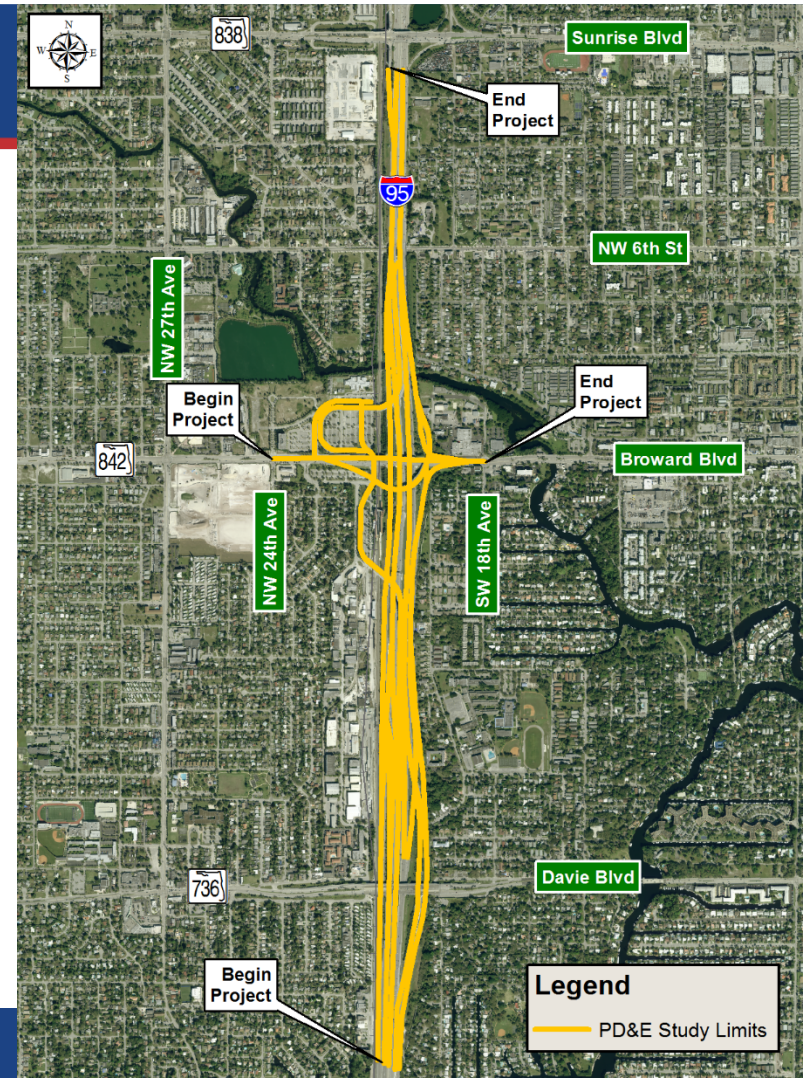
Study Objectives

- The Project Development and Environment (PD&E) Study is a process developed by FDOT to evaluate the **social, environmental and engineering** impacts associated with a proposed transportation improvement.
- In addition to complying with the National Environmental Policy Act (NEPA) of 1969, the objectives of a PD&E Study are to support decisions concerning **if, where, and what** should be built to address the identified transportation needs.



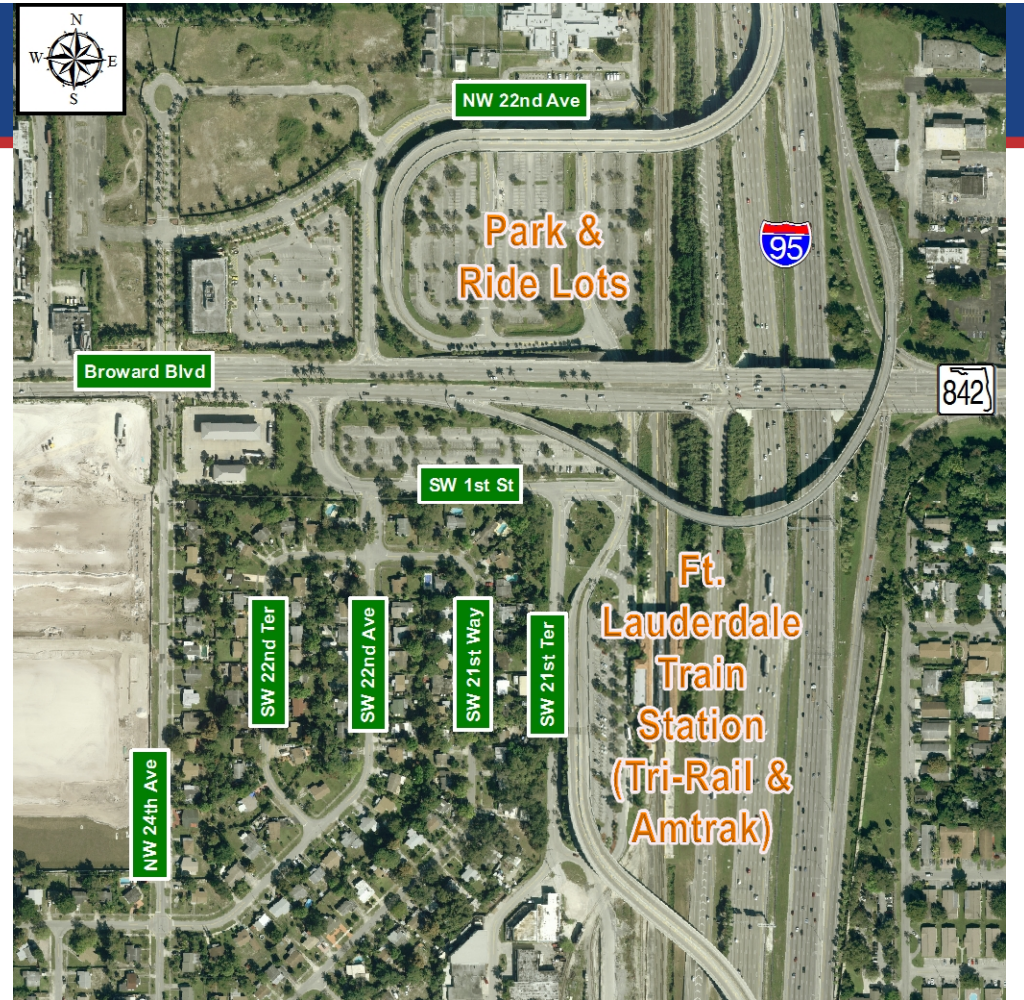
About the Project

- Project limits: SR 9/I-95 from south of Davie Boulevard to south of Sunrise Boulevard and Broward Boulevard from west of SW 24 Avenue to east of NW/SW 18 Avenue.
- Interchange serves multiple users:
 - Drivers on I-95, Broward Boulevard, and Local Roads
 - Transit riders:
 - Sun Trolley (operated by the Fort Lauderdale Transportation Management Agency or TMA)
 - Broward County Transit (BCT)
 - 95 Express Bus (operated by Miami Dade Transit or MDT)
 - Tri-Rail
 - Amtrak
 - Pedestrians
 - Bicyclists

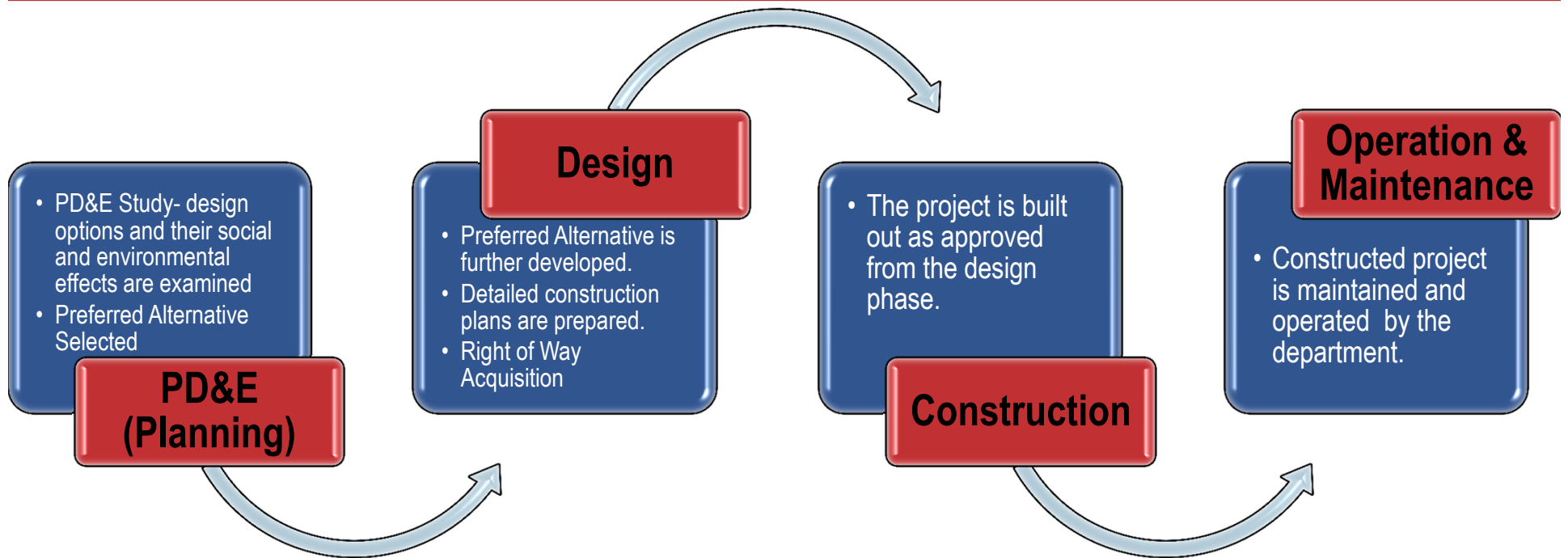


Purpose and Need

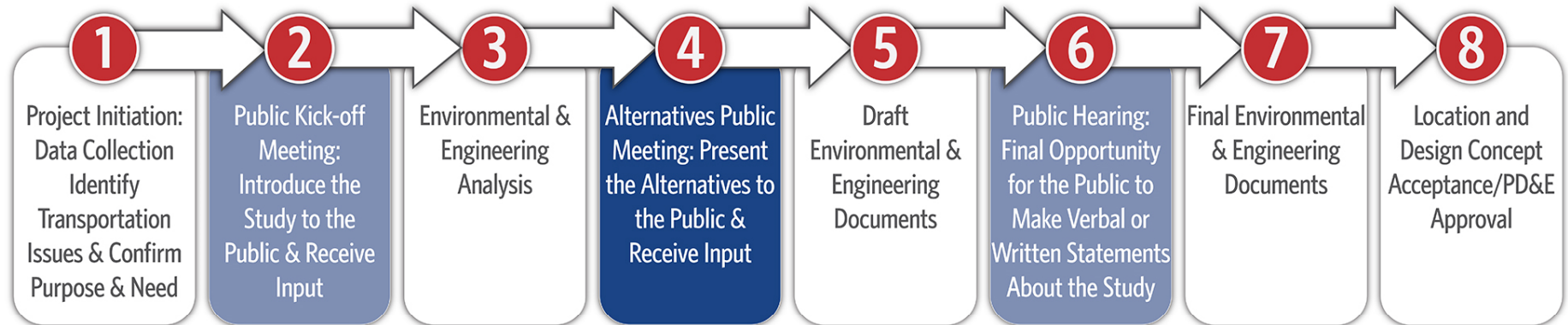
- The primary **purpose** of this study is to develop and evaluate design concepts to:
 - Improve traffic flow to and from I-95 and along Broward Boulevard,
 - Improve connectivity between 95 Express and Broward Boulevard,
 - Improve intermodal connectivity and access.
- The primary **need** for this project is to improve connectivity for all modes of transportation within the study area.



Project Development Process (Idea to Implementation)



PD&E Study Process



Community Outreach

A continuous community outreach process is integrated into every step of the project to ensure that the corridor residents, businesses, the traveling public, and other interested parties have meaningful opportunities for participation throughout the PD&E Study.

Study Schedule

2016

2017

2018

Data Collection

Alternatives Analysis

Draft Documents

Final Documents

Kick-off Meeting
November 9, 2016

Alternatives Workshop
September 14, 2017

Public Hearing
Spring 2018

PD&E Approval
Late 2018

Public Involvement

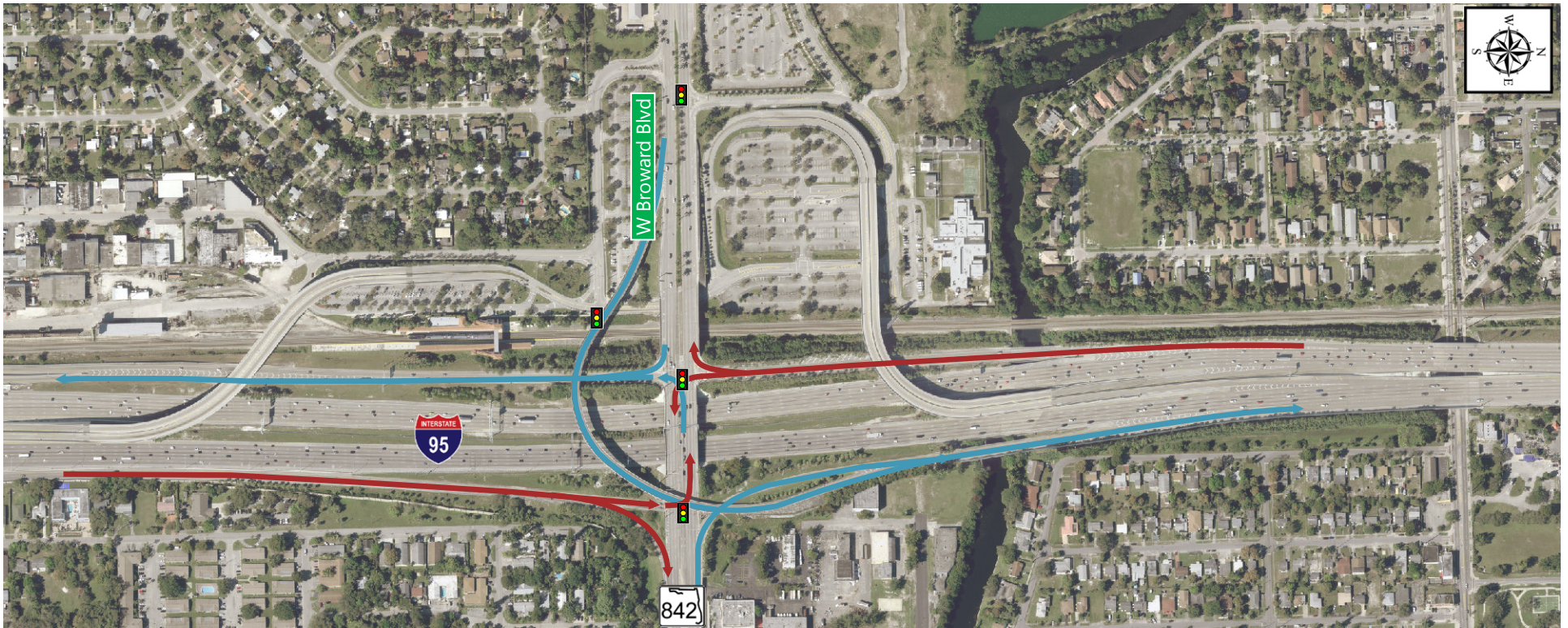
Alternatives Public Workshop



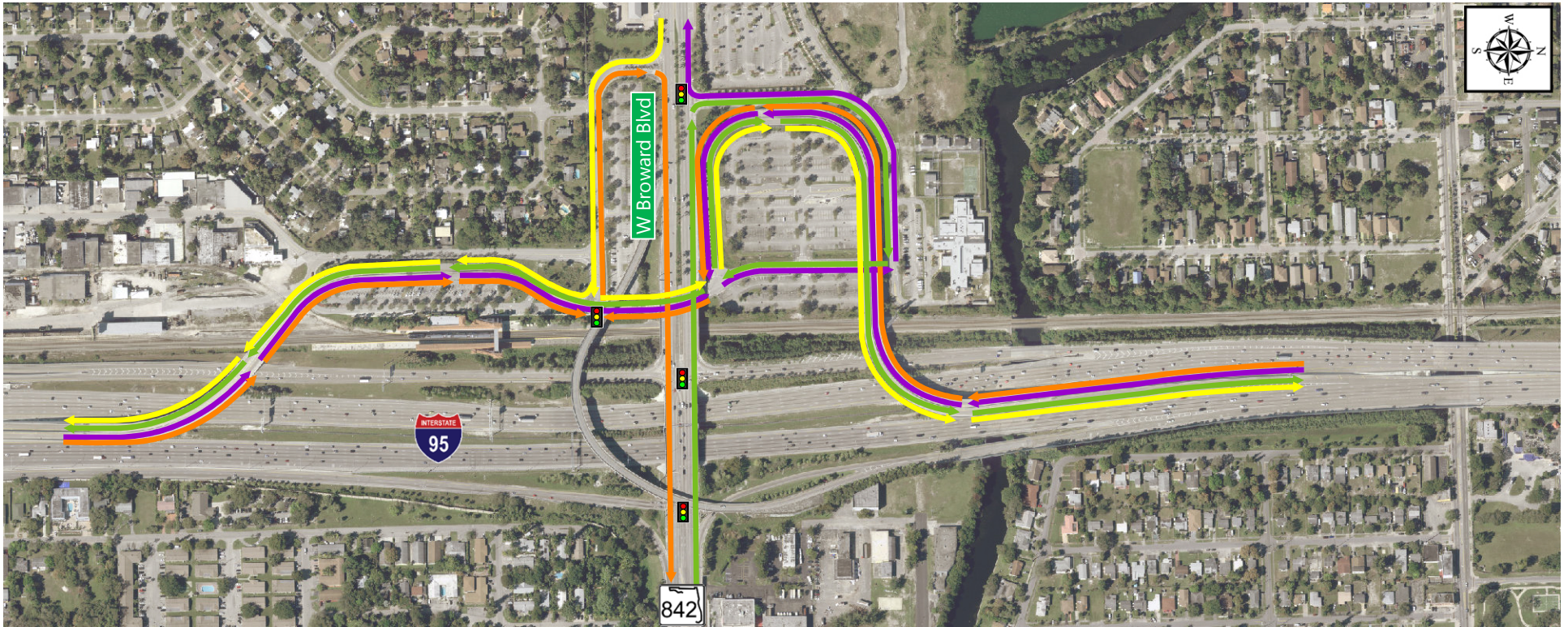


EXISTING CONDITIONS

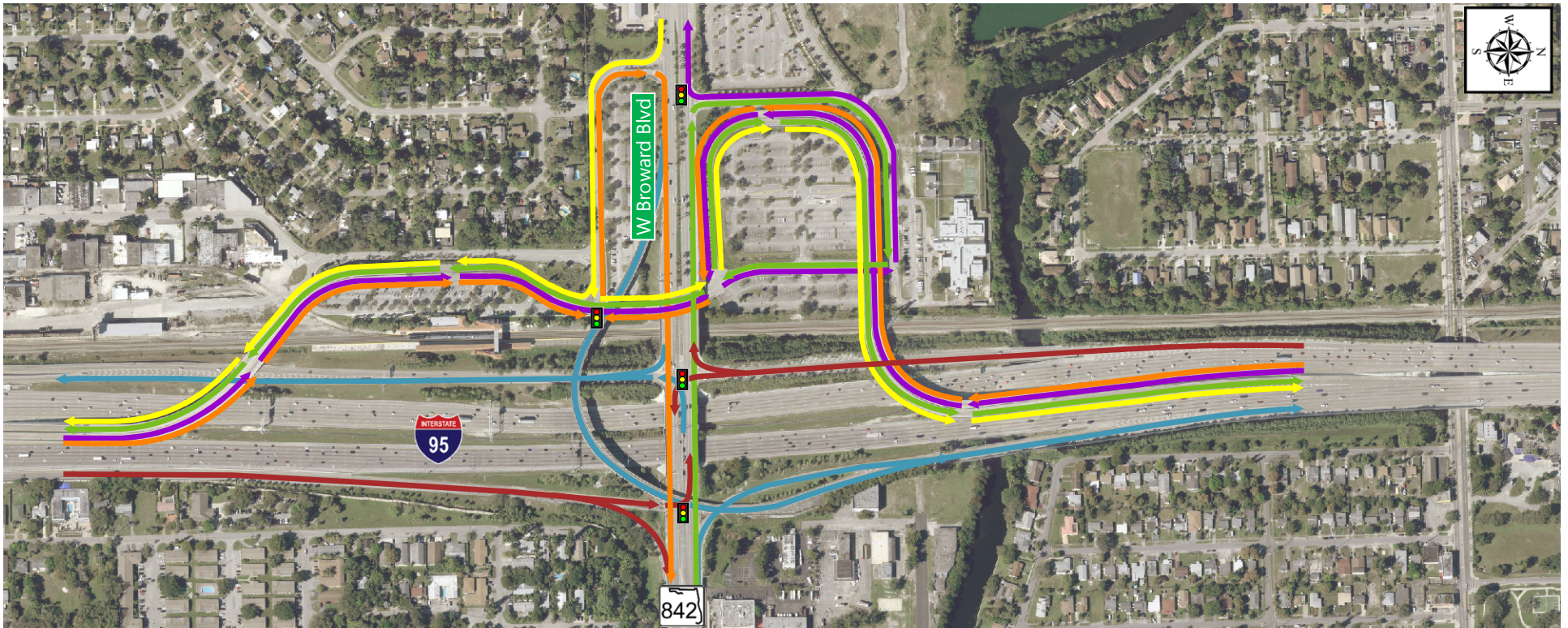
Existing Traffic Movements – Broward Boulevard Ramps



Existing Traffic Movements – Transit Station/Park-and-Ride Lot

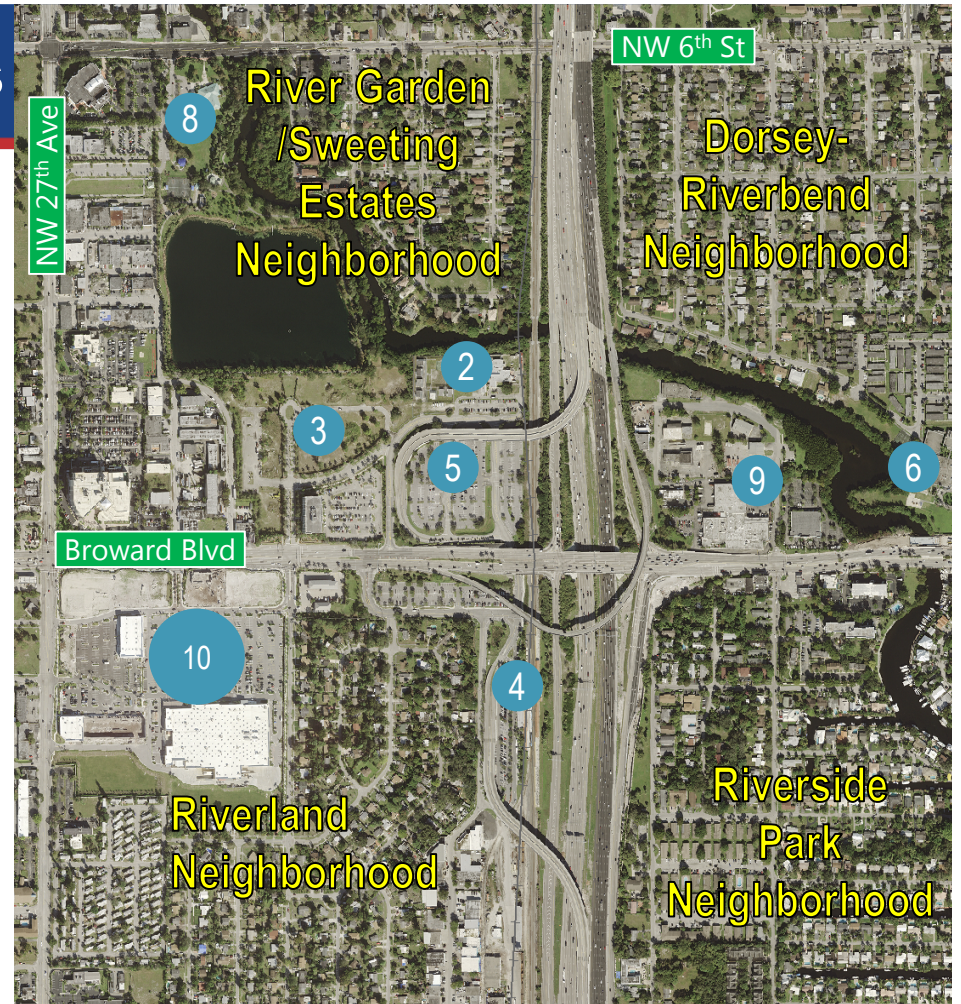


Existing Traffic Movements – All Movements



Interchange Area Stakeholders

1. City of Fort Lauderdale Neighborhoods
2. Broward Regional Juvenile Detention Center
3. Riverbend Corporate Park/Strayer University
4. Ft. Lauderdale Train Station (Tri-Rail & Amtrak)
5. Park & Ride Lots and Transit Partners
6. North Fork Elementary School
7. Broward Sheriff's Office
8. Reverend Samuel Delevoe Memorial Park
9. Salvation Army
10. Walmart/Corridor Retail and businesses
11. Residential Neighborhoods on all quadrants
12. Regional Commuters relying on I-95 @ Broward





PROJECT CONSIDERATIONS

Project Considerations and Anticipated Issues

- Privacy/Noise Concerns
- Cut-Through Traffic
- Bicycle/Pedestrian Accommodations
- Aesthetics/Landscaping
- Operational Efficiency (SFRTA, BCT & MDT)
- “Gateway” Corridor/City Entrance
- Capacity
- Safety
- Transportation Demand
- Social Demands and Economic Development
- Emergency Evacuation



Environmental Considerations

Wetlands

- North Fork of the New River
 - Sporadic red mangroves along open banks
- Develop mitigation plan, if necessary to offset impacts

Wildlife & Habitat

- Little remaining natural habitat
 - Presence of mangroves and potential for Manatees and Smalltooth Sawfish, require coordination and consultations
- Interchange within Core Foraging Area of Wood Stork colonies
- Interchange within the Consultation Area for the Everglades Snail Kite

Avoid and minimize impacts during alternatives development



West Indian Manatee

Noise Considerations



Drainage

Three options under consideration, in order of priority:

1. Treat and store all water within existing FDOT right-of-way
2. Store treated water off-site in the pond at Reverend Samuel Delevoe Park
3. Store treated water off-site, requiring property acquisition



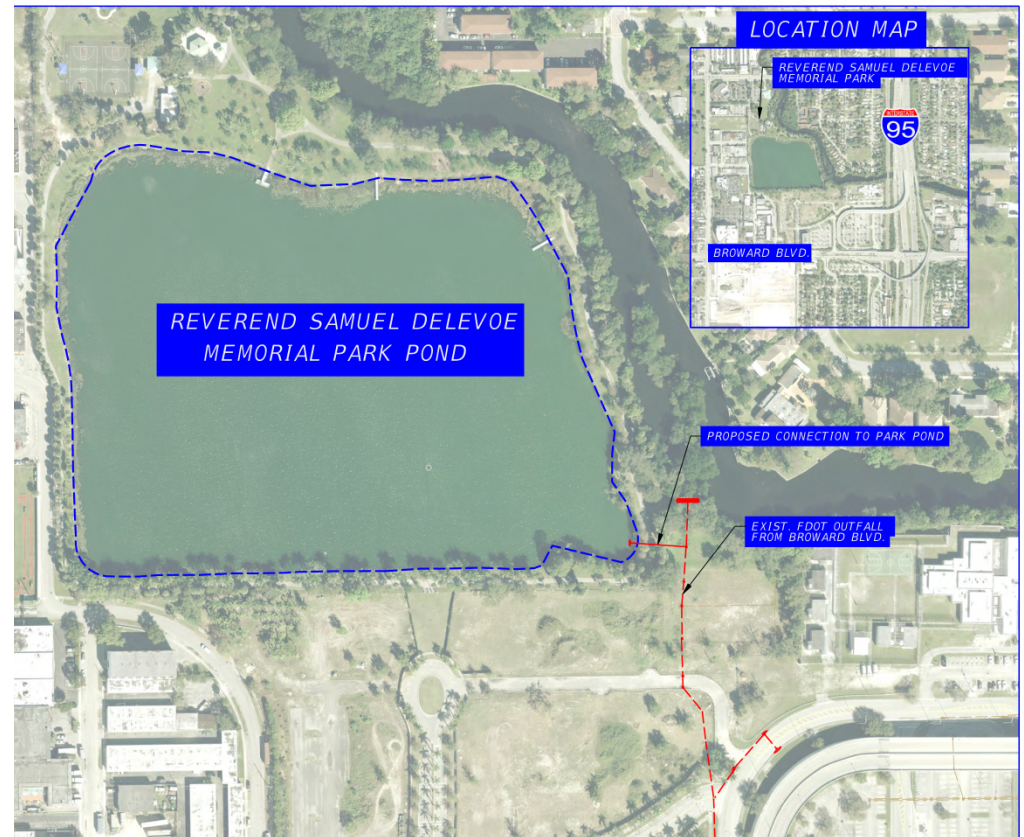
Section 4(f) Potential Use

Section 4(f) of the Department of Transportation Act of 1966

- Governs use of publicly owned parks, recreation areas, wildlife and waterfowl refuges, and public or private historic sites

Potential *de minimus* (minimal) impact to lake in the Reverend Samuel Delevoe Park.

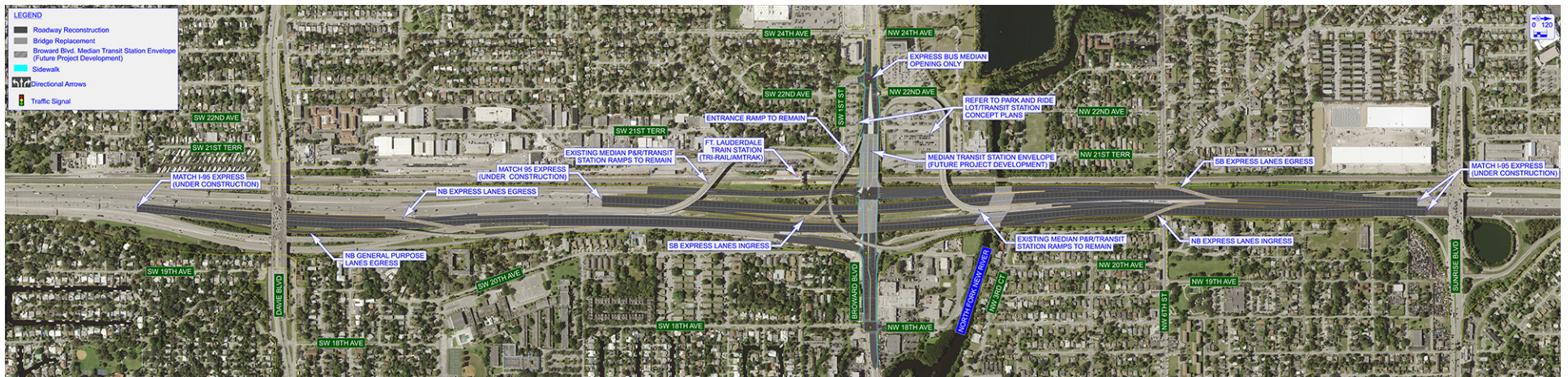
- Proposed use is to direct treated stormwater from improvements into the lake
- In exchange, FDOT looking at these improvements to the lake:
 - Planting along shoreline to attract birds
 - Lighting improvements
 - Bathroom facility and playground improvements





ALTERNATIVES BEING CONSIDERED

Mainline I-95 Alternative (Ingress/Egress for 95 Express)



Interchange Alternative 1: Tight Urban Diamond Interchange



- Maintains similar traffic pattern to today
- Increases number of turn lanes in multiple locations
- Includes median transit platform area with vertical circulation to access Park-and-Ride, Tri-Rail, and 95 Express

Interchange Alternative 2: Displaced Left Interchange(DLI)



















- Maintains similar traffic pattern to today for travelers along Broward Boulevard
- Modifies traffic pattern for northbound 95 to westbound Broward Blvd.
- Modifies traffic pattern for eastbound Broward to southbound 95 travelers
- Increases number of turn lanes in multiple locations
- Includes median transit platform area with vertical circulation to access Park-and-Ride, Tri-Rail, and 95 Express




Interchange Alternative 2B: Modified Displaced Left Interchange



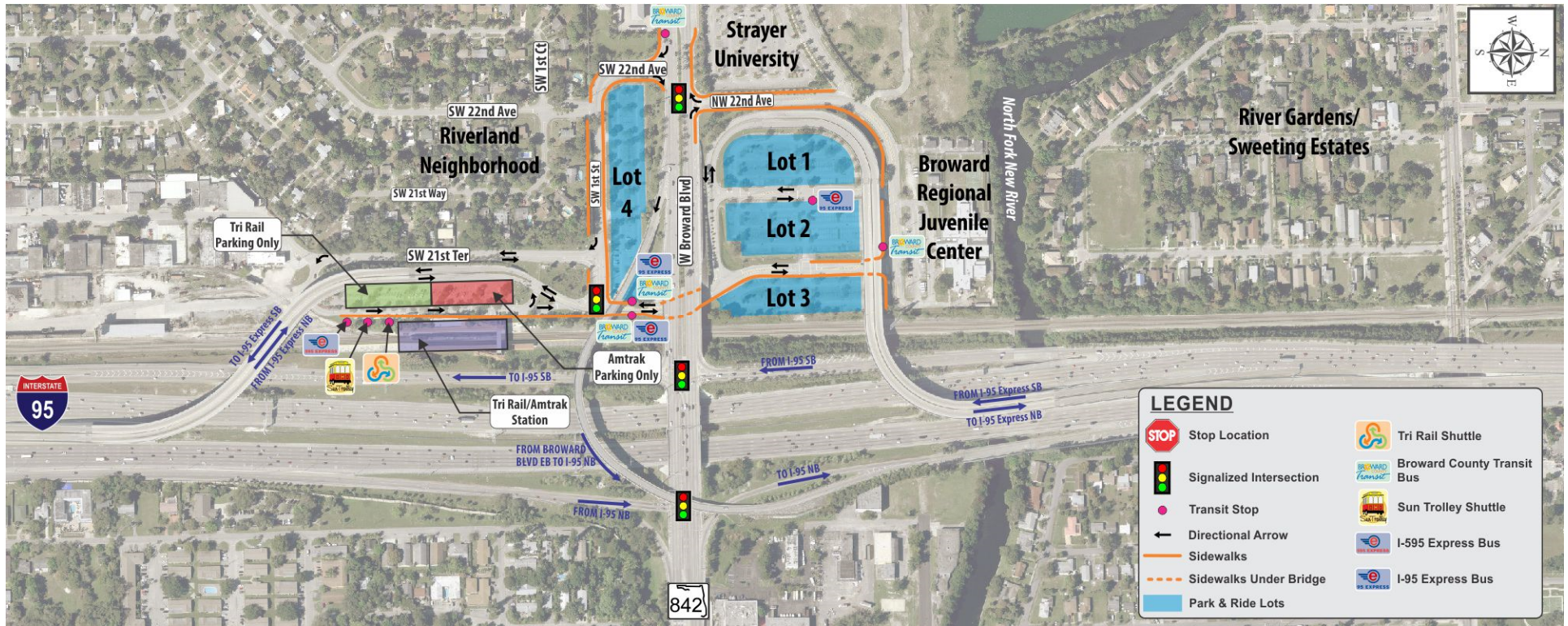
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Summary of Traffic Conditions by Alternative (2040 Traffic)

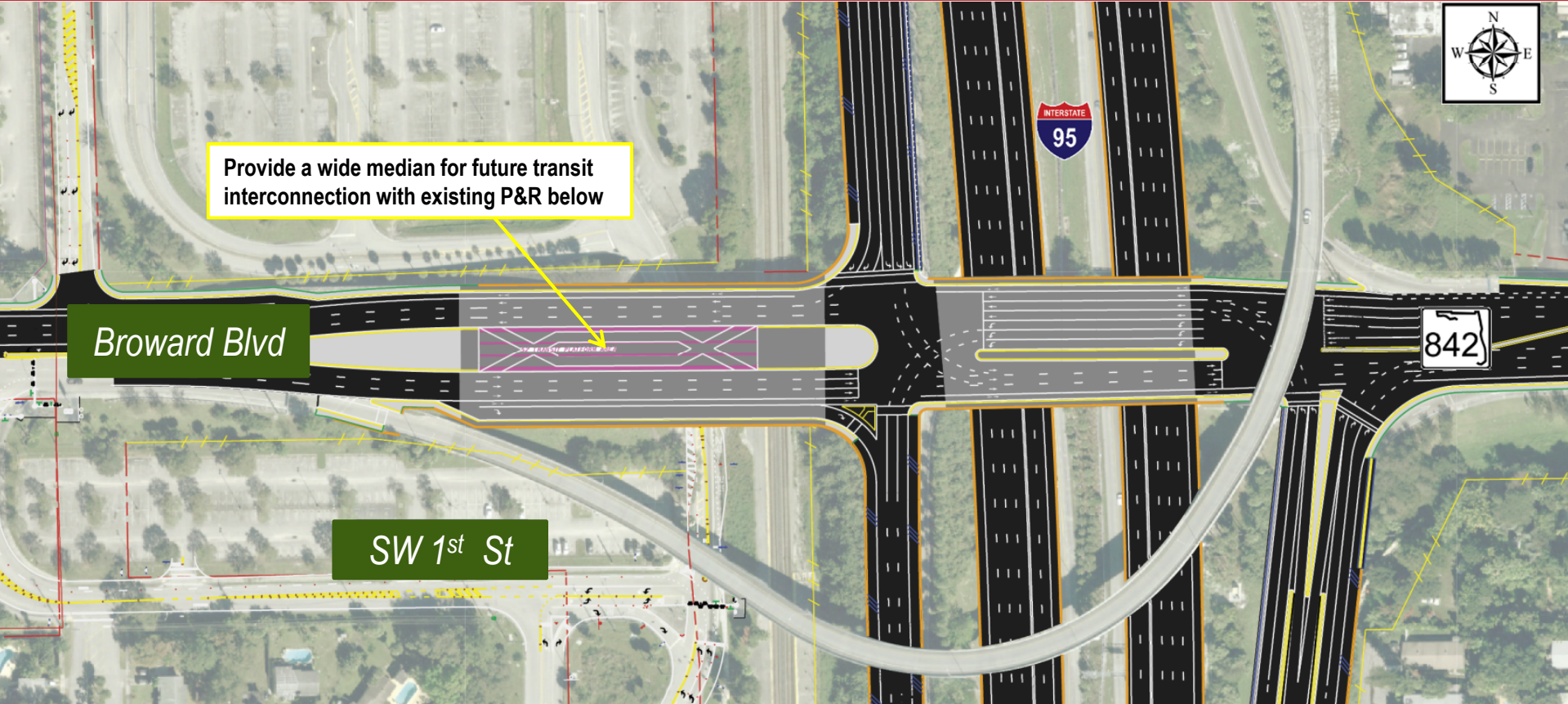
Alternative	AM Peak		PM Peak	
	Southbound Interchange	Northbound Interchange	Southbound Interchange	Northbound Interchange
No Build				
Tight Urban Diamond				
Displaced Left				
Modified Displaced Left				

LEGEND	Level of Service	
		Significant congestion, Mainline I-95 impacts
		Moderate Congestion
		Best Traffic Conditions (relative to other alternatives)

Existing Multi-Modal Transportation Conditions



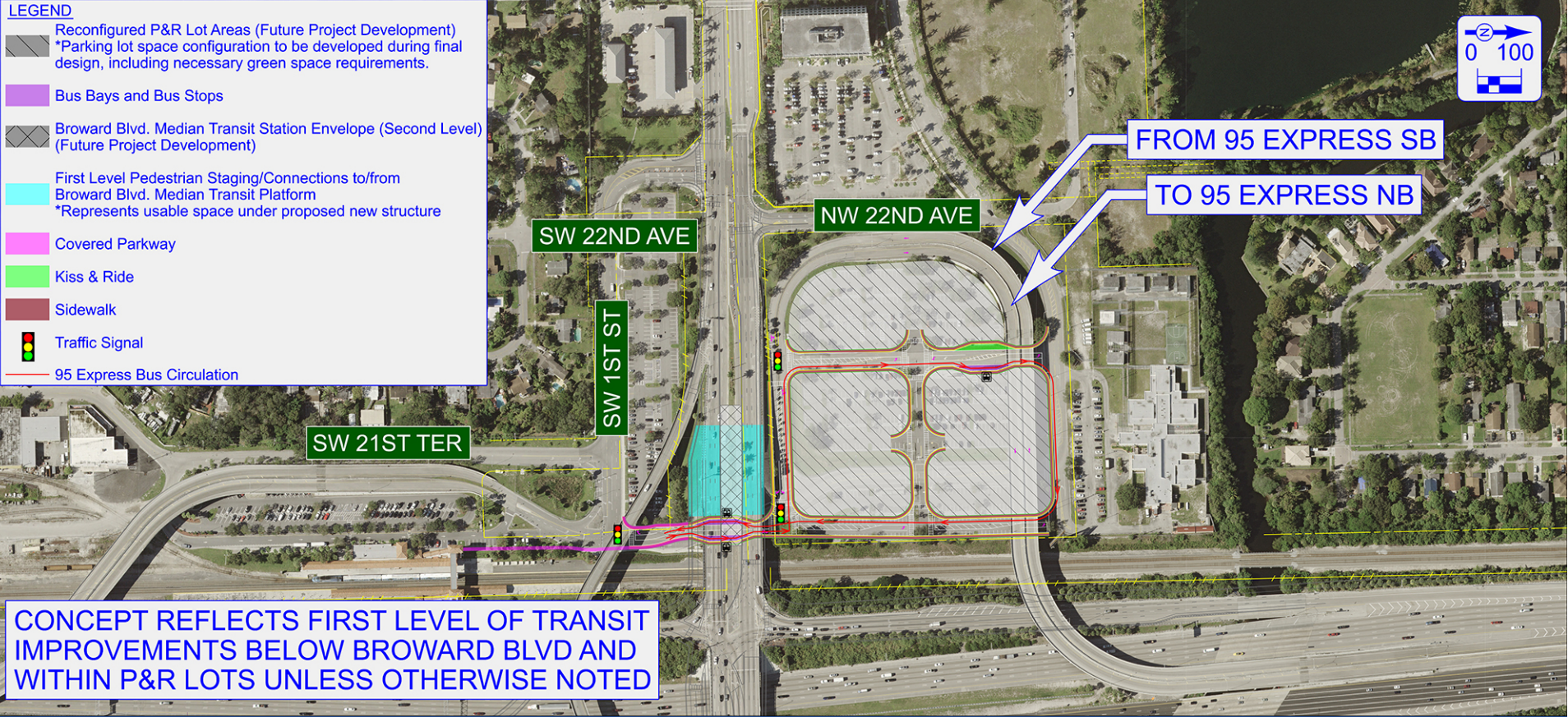
Enhanced Multimodal - All Interchange Alternatives



Enhanced Multimodal - All Interchange Alternatives



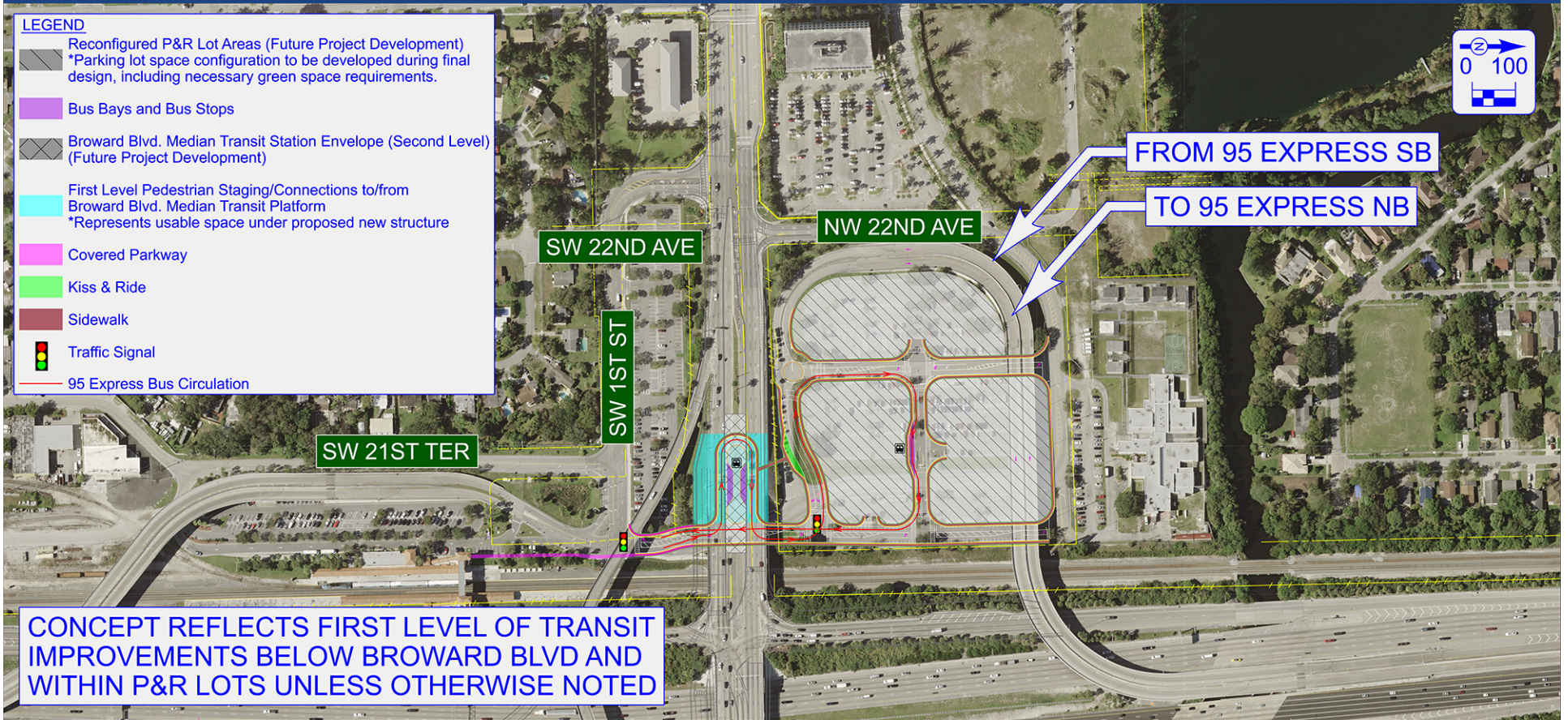
Park-and-Ride Lot/Transit Station - Alternative 1



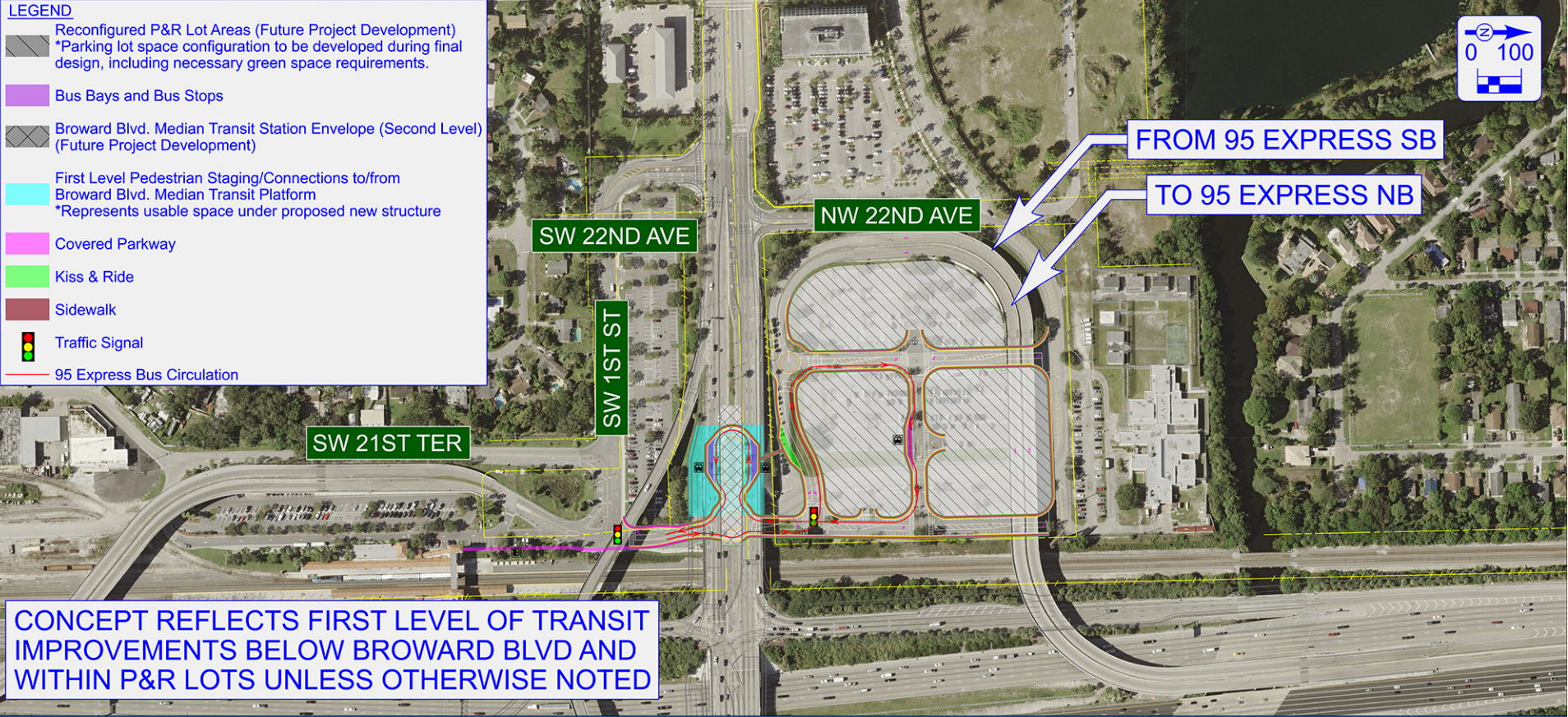
Park-and-Ride Lot/Transit Station - Alternative 2

LEGEND

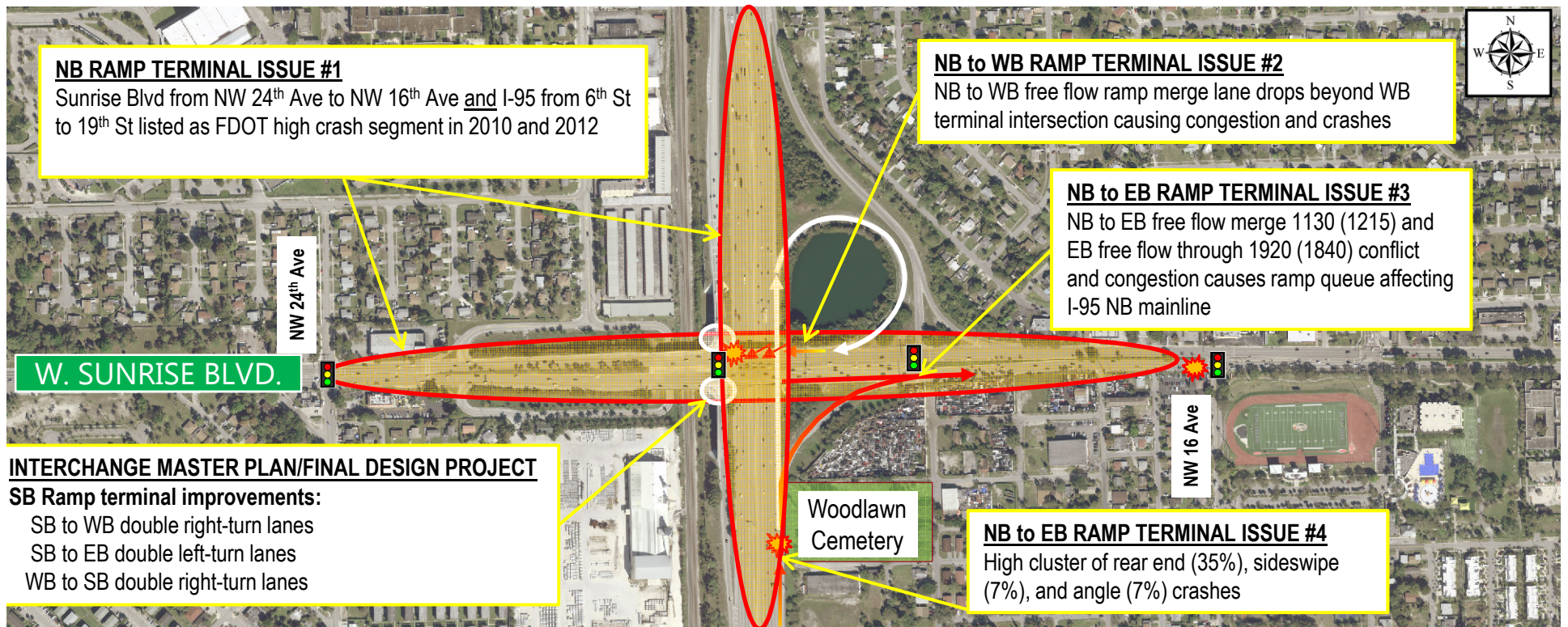
- Reconfigured P&R Lot Areas (Future Project Development)
*Parking lot space configuration to be developed during final design, including necessary green space requirements.
- Bus Bays and Bus Stops
- Broward Blvd. Median Transit Station Envelope (Second Level) (Future Project Development)
- First Level Pedestrian Staging/Connections to/from Broward Blvd. Median Transit Platform
*Represents usable space under proposed new structure
- Covered Parkway
- Kiss & Ride
- Sidewalk
- Traffic Signal
- 95 Express Bus Circulation



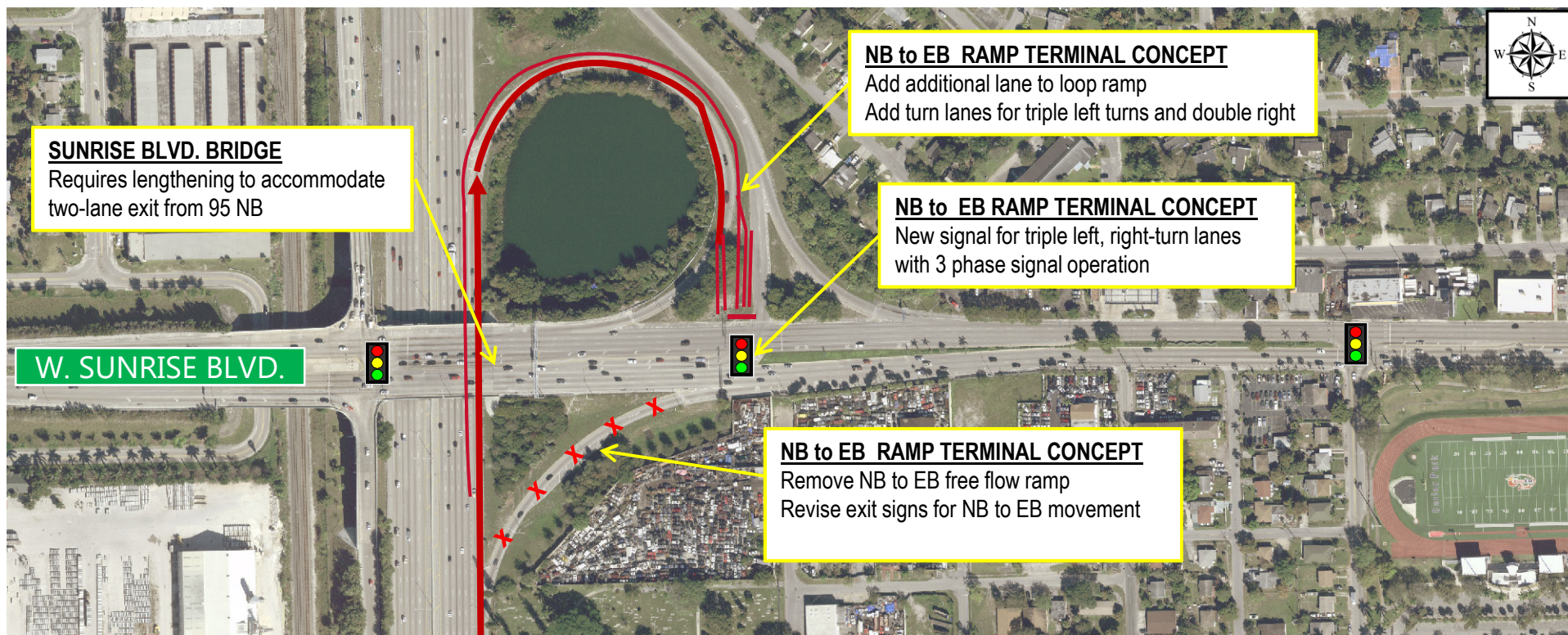
Park-and-Ride Lot/Transit Station - Alternative 3



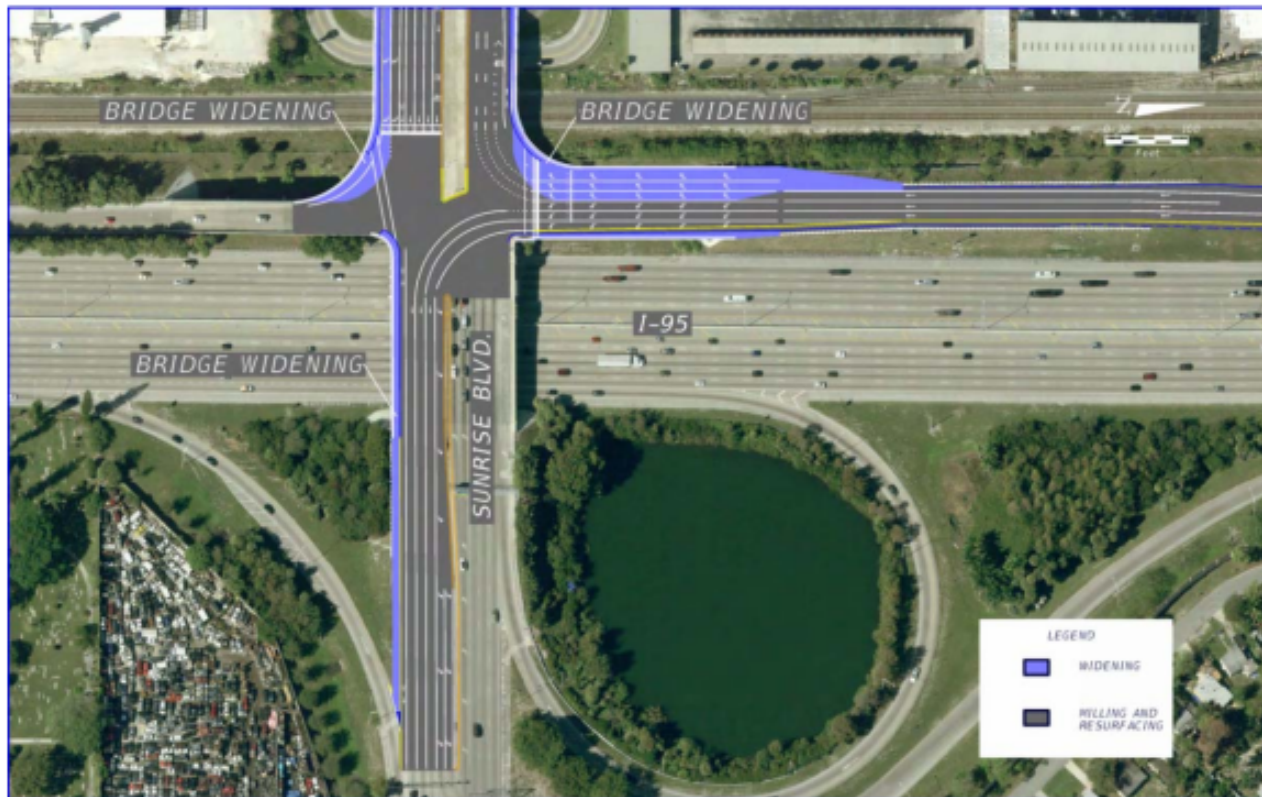
I-95/Sunrise Blvd. Interchange Feasibility Review (NB Ramps)



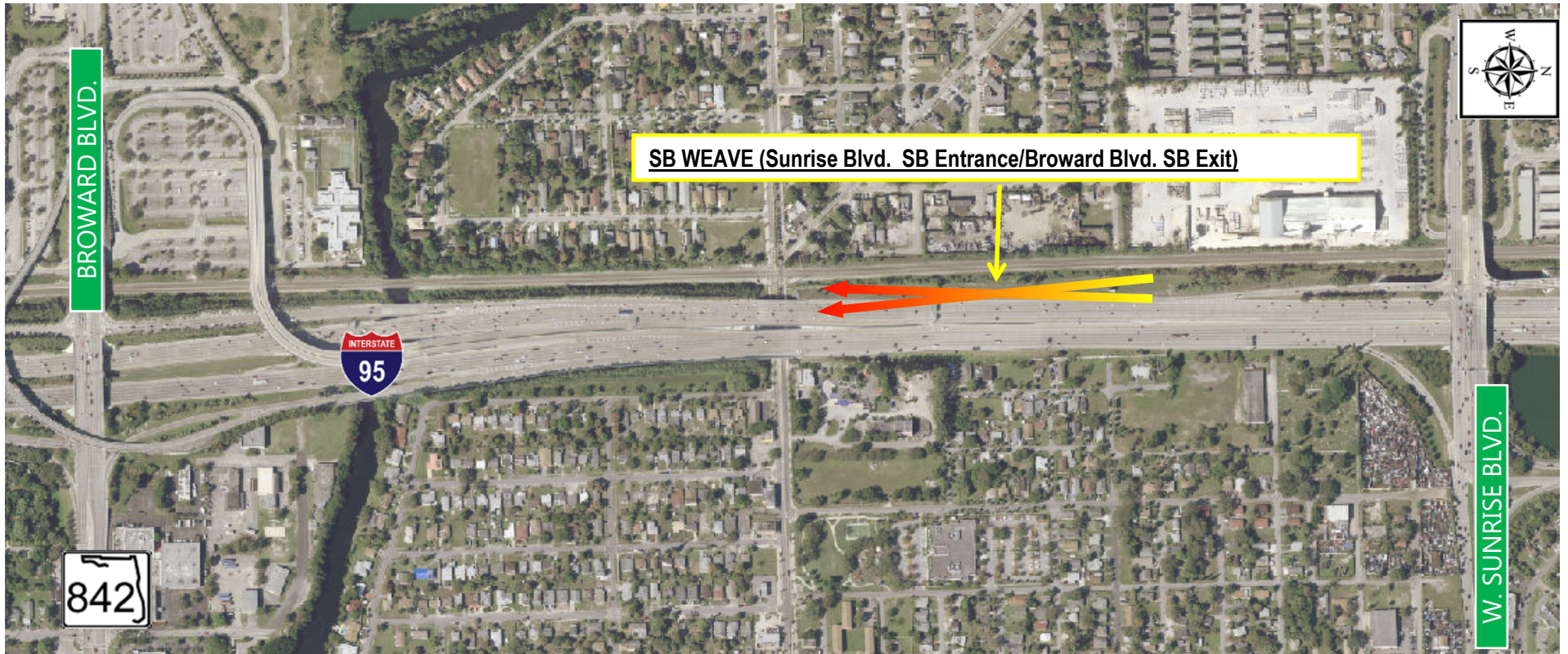
I-95/Sunrise Blvd. Feasibility Review (NB Ramps) – Concept under development



I-95/Sunrise Blvd. - Interchange Design (SB ramps)



SB Weave between SB Sunrise Entrance and SB Broward Exit (Options under development)





COMMENTS OR QUESTIONS

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THANK YOU FOR ATTENDING!