



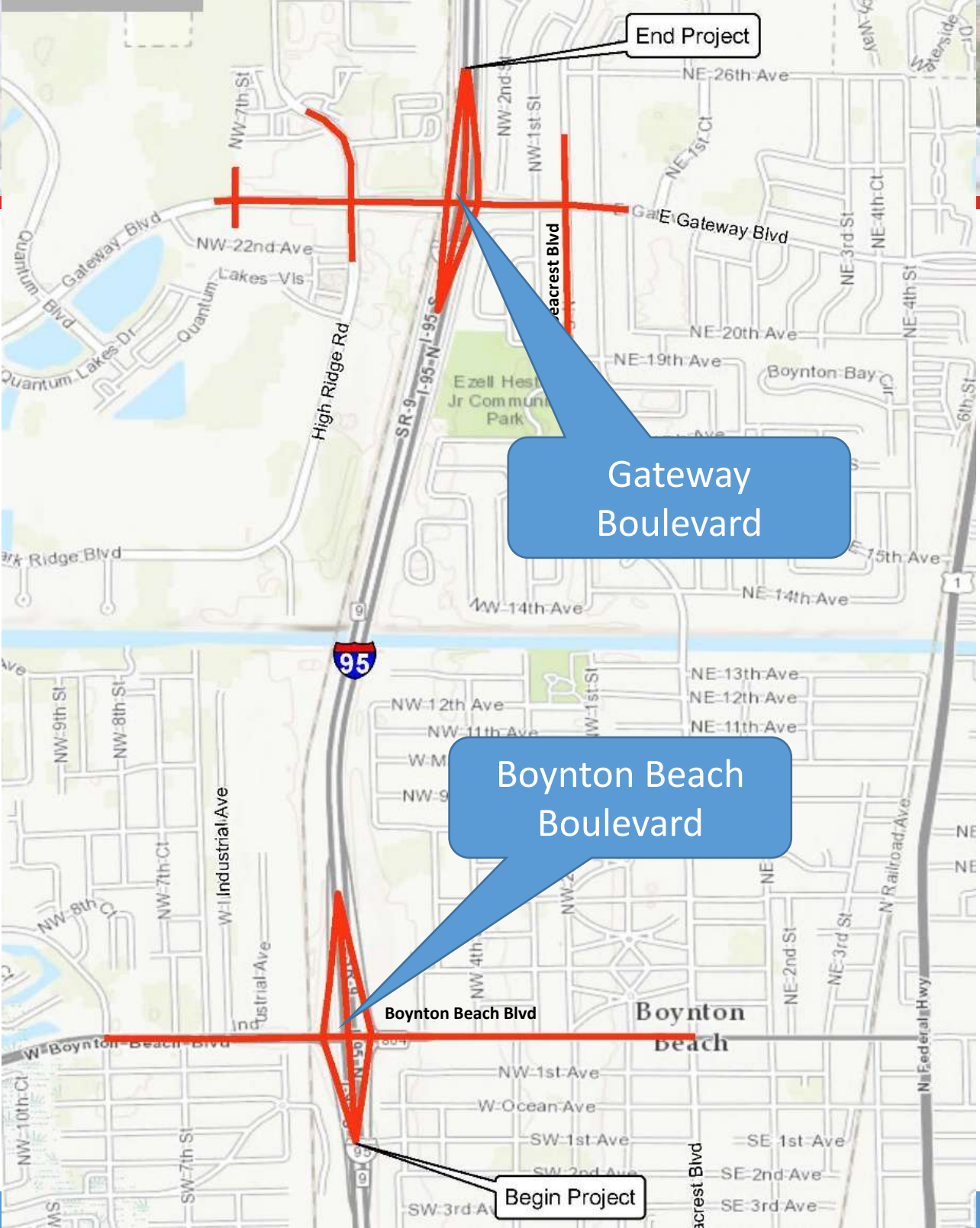
**Palm Beach
Metropolitan Planning Organization (MPO)
Presentation**

**I-95 at Boynton Beach Boulevard Interchange and
I-95 at Gateway Boulevard Interchange
Project Development and Environment Study
Palm Beach County, Florida**

Financial Project ID No(s).: 435804-1-22-01 and 231932-1-22-01

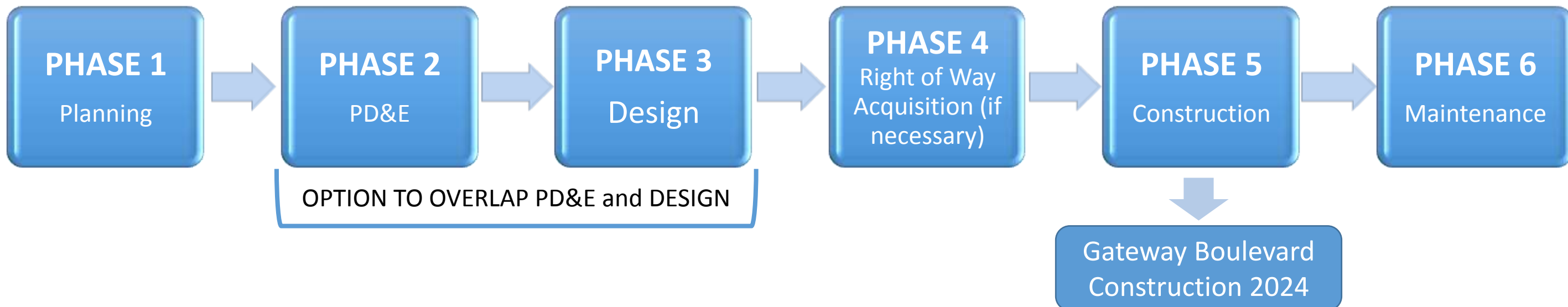
ETDM No(s).: 14180 and 14181

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- The study began in July 2015
- A public kick-off meeting was held on September 17, 2015
- Design alternatives have been developed and evaluated
- Environmental & engineering reports are being prepared

CONTINUOUS PUBLIC INVOLVEMENT



- Enhance overall traffic operations at the Boynton Beach Boulevard and Gateway Boulevard interchanges
- Improve capacity and meet future travel demand resulting from:
 - Population growth
 - Employment growth
- Be consistent with local transportation plans

Perform a Project Development & Environment Study (PD&E) to determine

- **If** it should be built
- **Where** it should be built
- **What** are the basic design concepts

PD&E Study Components Include:

- Data Collection
- Engineering Analysis
- Environmental Evaluations
- Public Involvement

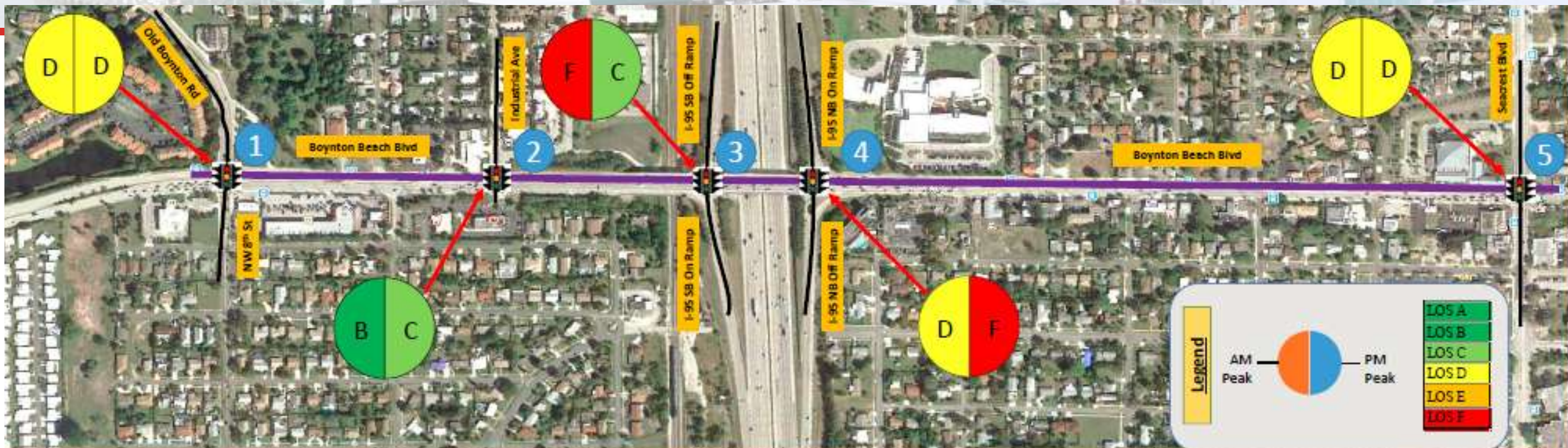


A wide-angle photograph of a coastal area, likely a beach or boardwalk. In the foreground, there's a paved walkway with a decorative metal railing. To the left, there are several buildings with green and white striped awnings. In the background, there are palm trees and a tall, modern building. The sky is overcast.

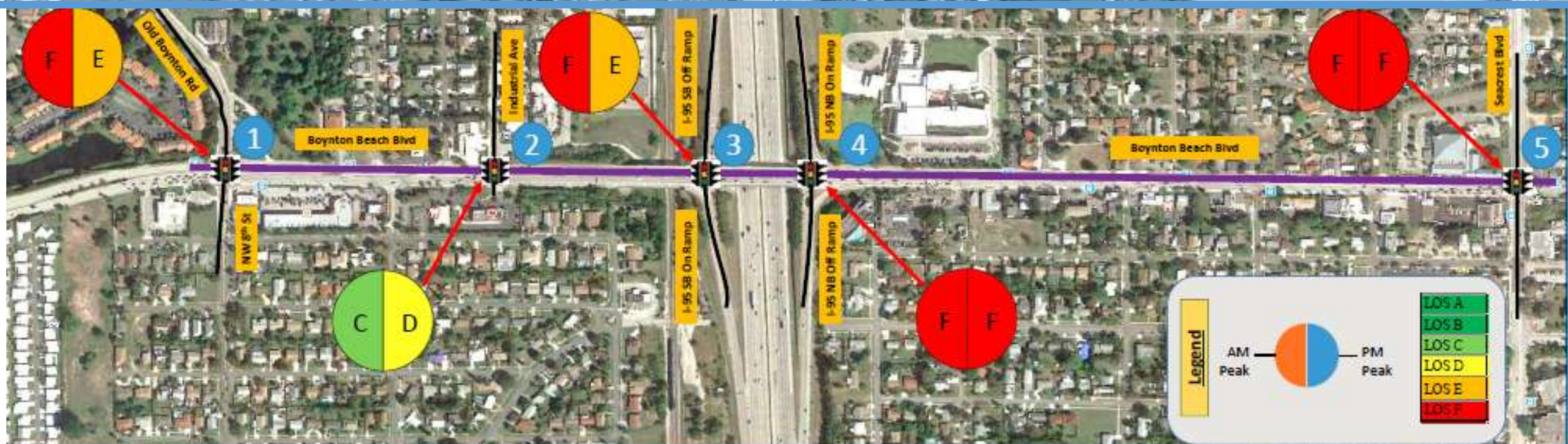
Boynton Beach Boulevard

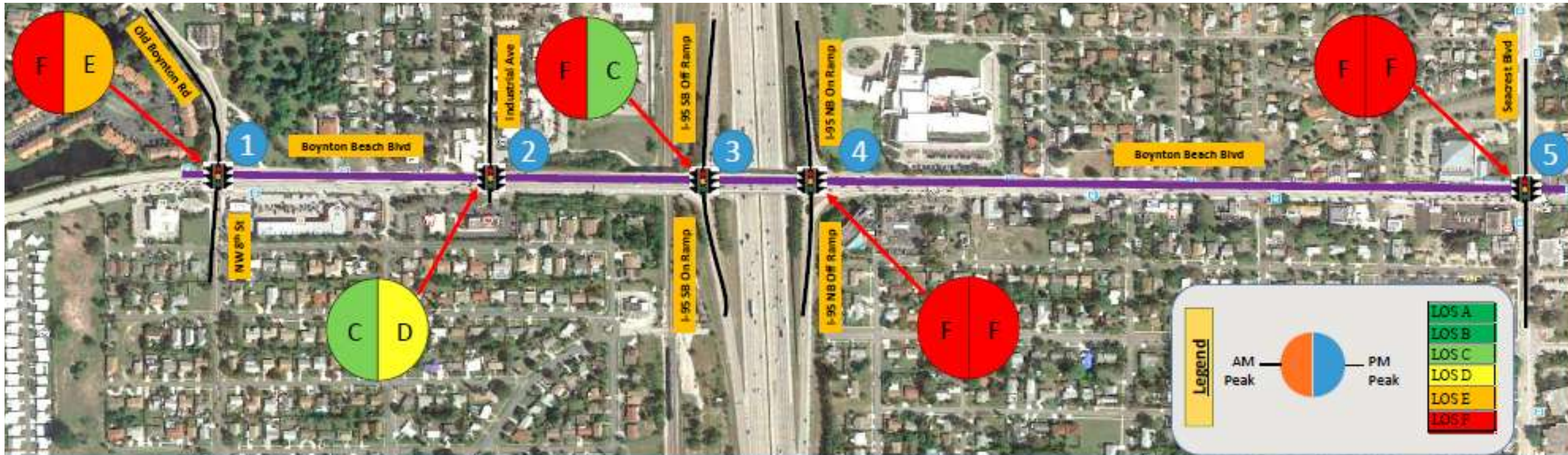
Existing and No Build Level of Service (LOS)

LOS
2015



LOS
2040





- No capacity improvements.
- Utilizes existing infrastructure and roadway geometry.
- Efficient use of existing system through:
 - Signal timing optimization
 - Coordinated signal systems

Three alternatives considered:

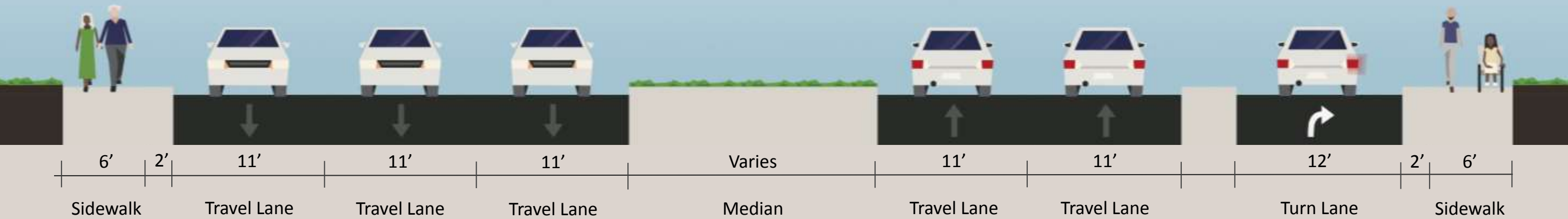
- Concept Development Alternative (CDA)
 - Developed as part of the I-95 Master Plan
- Streamlined CDA
- Single Point Urban Interchange (SPUI)

The TSM&O Alternative alone cannot provided the much needed capacity and intersection operational improvements

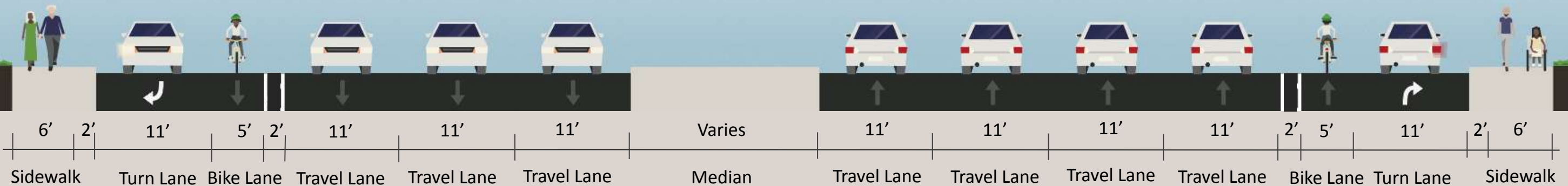


Existing and Proposed Typical Sections

Boynton Beach Boulevard (Existing)

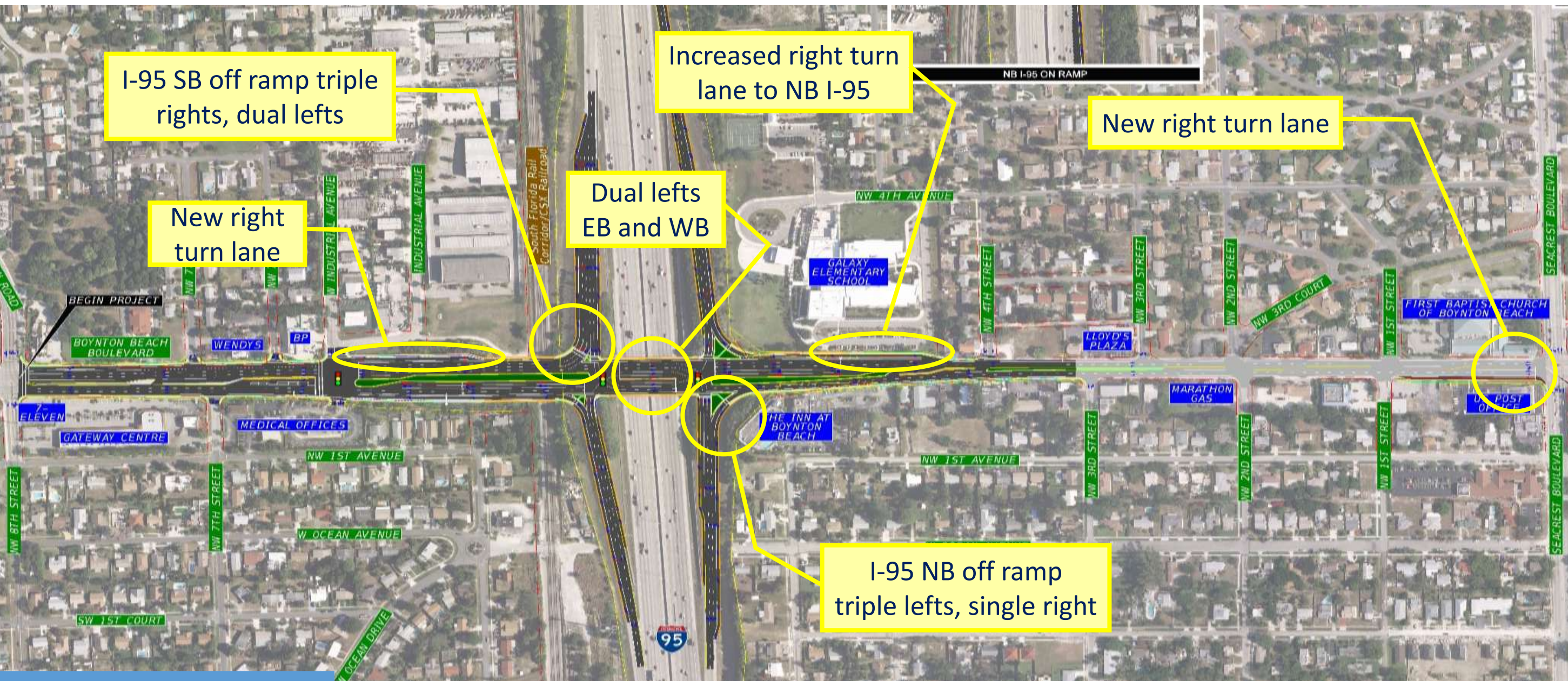


Boynton Beach Boulevard (Proposed)





Alternative 1 Concept Development Alternative (CDA)





Alternative 1 - CDA

Design Year 2040 – Level of Service







Alternative 2 - Streamlined CDA

Design Year 2040 – Level of Service





Alternative 3 Single Point Urban Interchange (SPUI)

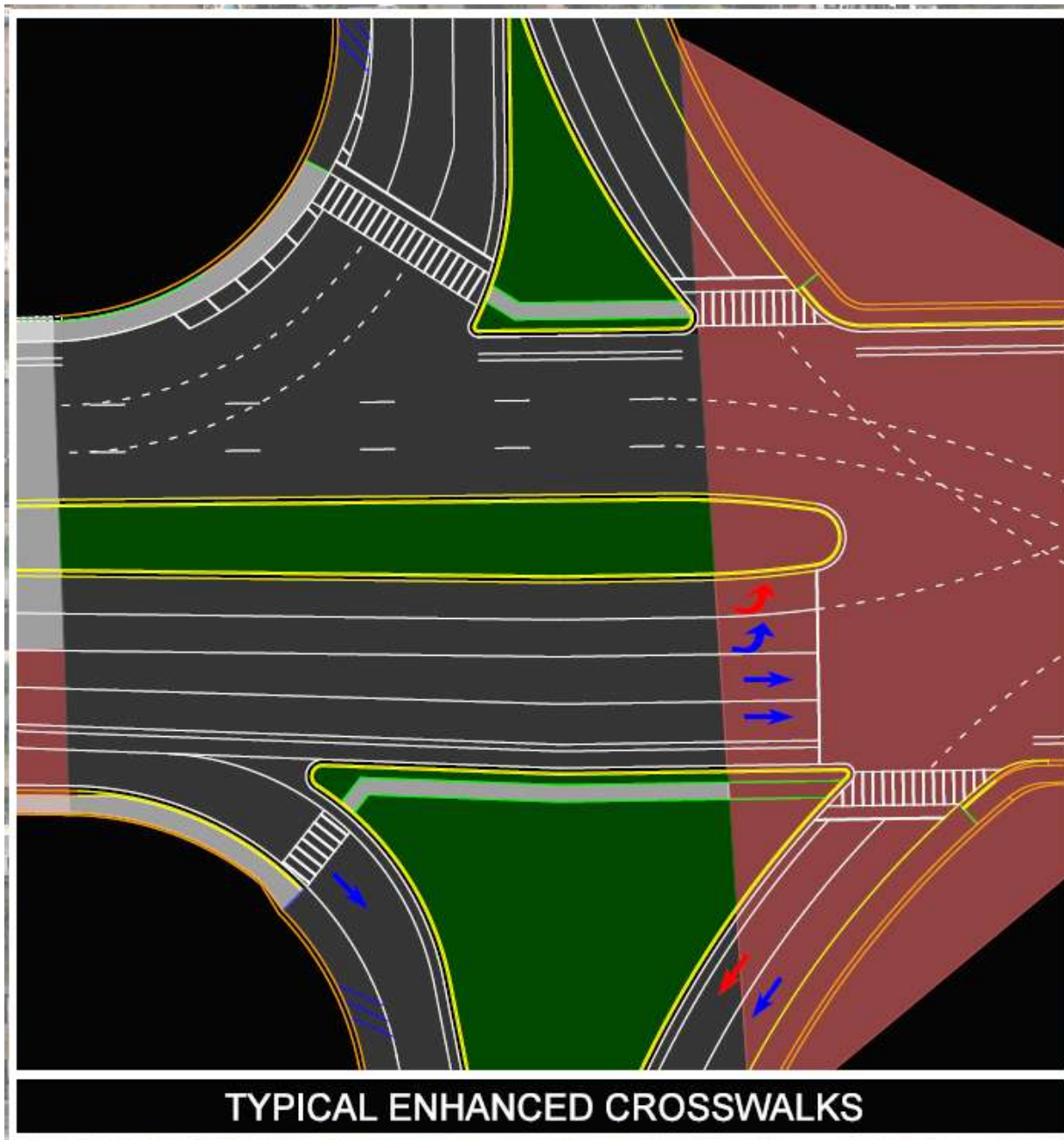




Alternative 3 – SPUI

Year 2040 Level of Service





- Enhanced Pedestrian Crosswalks
- Improved Pedestrian Signage at Crosswalk Locations
- Lighting Improvements
- Review of Sight Lines At All Conflict Points
- 7 Foot Buffered Bike Lanes

Gateway Boulevard

Existing and No Build Level of Service (LOS)

LOS
2015



LOS
2040





- No capacity improvements.
- Utilizes existing infrastructure and roadway geometry.
- Efficient use of existing system through:
 - Signal timing optimization
 - Coordinated signal systems

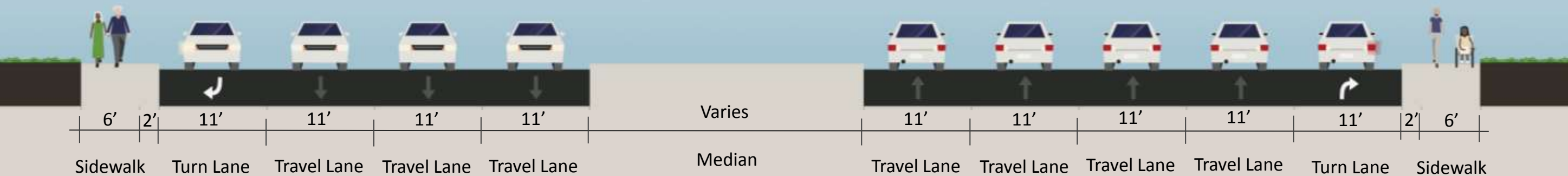
- Three Build Alternatives Considered
 - Concept Development Alternative (CDA)
 - Developed as part of the I-95 Master Plan
 - Streamlined CDA
 - Single Point Urban Interchange (SPUI)

The TSM&O Alternative alone cannot provided the much needed capacity and intersection operational improvements

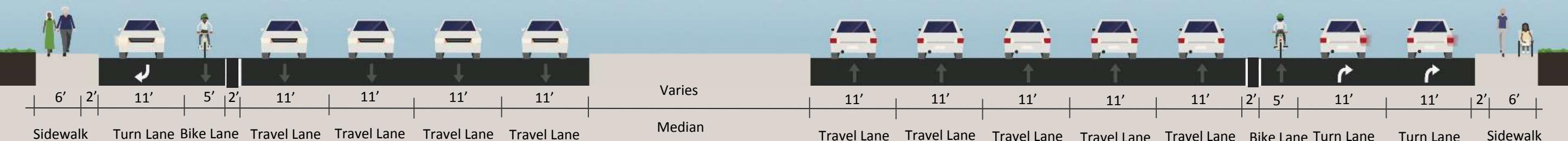


Existing and Proposed Typical Sections

Gateway Boulevard (Existing)



Gateway Boulevard (Proposed)





Alternative 1 Concept Development Alternative (CDA)





Alternative 1 – CDA

Design Year 2040 Level of Service





Alternative 2 Streamlined CDA

Dual lefts from High
Ridge Road to EB
Gateway Blvd

WB Gateway Blvd
single right, shared
thru/right lane

NB I-95 ramp
triple lefts, dual rights

LEGEND

PROPERTY LINE
EXISTING R/W
PROPOSED R/W
EXISTING LIMITED ACCESS R/W

ROW Impact : 33 Parcels



Alternative 2 - Streamlined CDA

Year 2040 Level of Service





Alternative 3 Single Point Urban Interchange (SPUI)





Alternative 3 – SPUI

Year 2040 Level of Service





Pedestrian/ Bicycle Improvements



- **Enhanced Pedestrian Crosswalks**
- **Improved Pedestrian Signage at Crosswalk Locations**
- **Lighting Improvements**
- **Review of Sight Lines At All Conflict Points**
- **7 Foot Buffered Bike Lanes**














Schedule



PD&E STUDY

SR-9/I-95 at SR-804/Boynton Beach Boulevard Interchange and
SR-9/I-95 at Gateway Boulevard Interchange

SCHEDULE

TASK	2015												2016												2017																						
	Quarter 3						Quarter 4						Quarter 1				Quarter 2				Quarter 3				Quarter 4				Quarter 1				Quarter 2				Quarter 3				Quarter 4						
	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec					
Study Begins																																															
Data Collection																																															
Public Kick-off Meeting																																															
Develop and Evaluate Alternatives																																															
Environmental Evaluations																																															
Continue Developing & Evaluating Design Alternatives																																															
Alternatives Public Meeting																																															
Finalize Engineering & Environmental Documents																																															
Public Hearing																																															
Submit Project Documents to Federal Highway Administration (FHWA)																																															
FHWA Acceptance																																															

A continuous community outreach process is integrated into every step of the project to ensure that the study area residents, businesses, the traveling public, and other interested parties have meaningful participation in the process.

LEGEND

 Study Begins  Task  Public Meeting  Public Hearing  Study Complete

Preliminary and Subject to Change

- Complete the Environmental Documents
 - Air and Noise
 - Endangered Species
 - Cultural Resources
 - Contamination Screening
- Present Preferred Alternative at a Public Hearing
- Select a Preferred Alternative



Contact Information

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