



Florida Department of Transportation
District Four

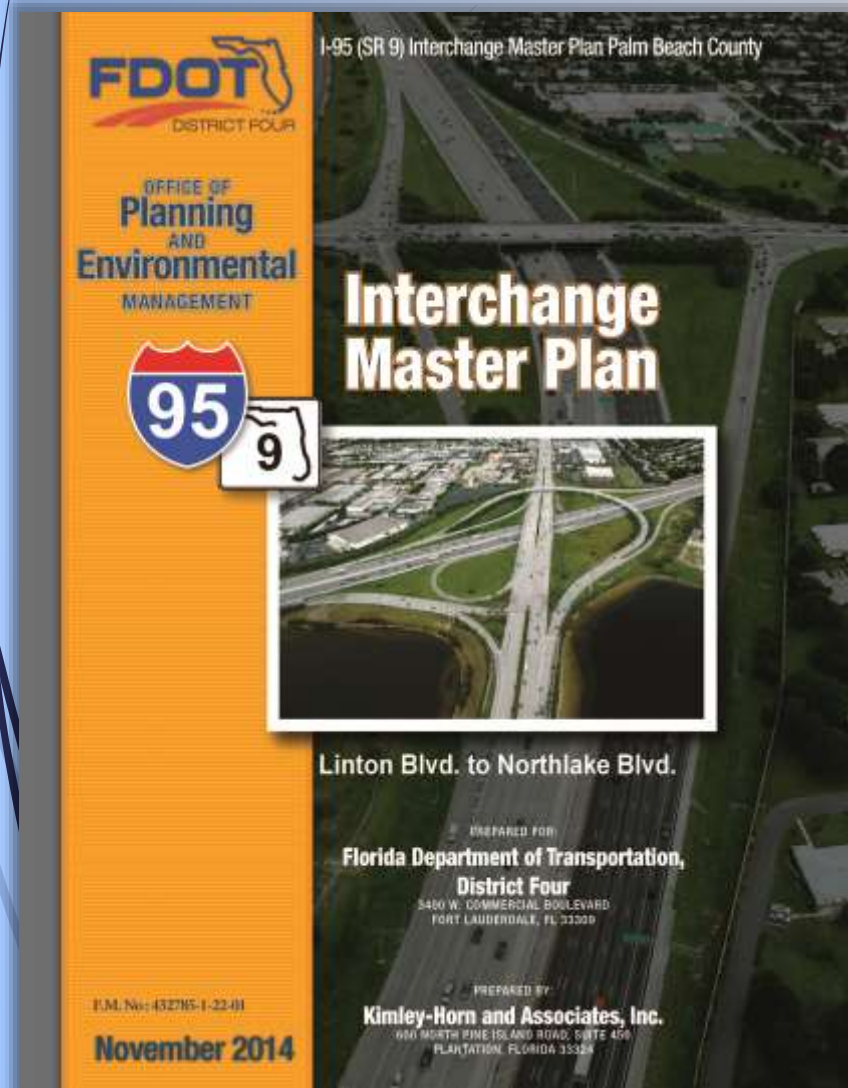
I-95 at 6th Avenue Interchange
Improvements
FDOT PM - Fernando Morales, PE
9/21/17

Presentation Outline

- **Overview of Planning and Programming**
 - I-95 Interchange Master Plan
 - Strategic Intermodal System (SIS)
 - Project Development Process
- **Overview of I-95 at 6th Ave. Interchange Improvements**

SR 9 (I-95) Interchange Master Plan Palm Beach County

- Completed in December 2014
- Evaluated 17 interchanges
 - From Linton Boulevard to Northlake Boulevard
- Analyzed interchanges to determine existing and potential future deficiencies
- Coordinated with Local Agencies and MPO
- Identified operational and safety needs
 - Developed short-term improvements
 - Developed long-term conceptual design alternatives
- Facilitated programming of future interchange studies and projects through the SIS program

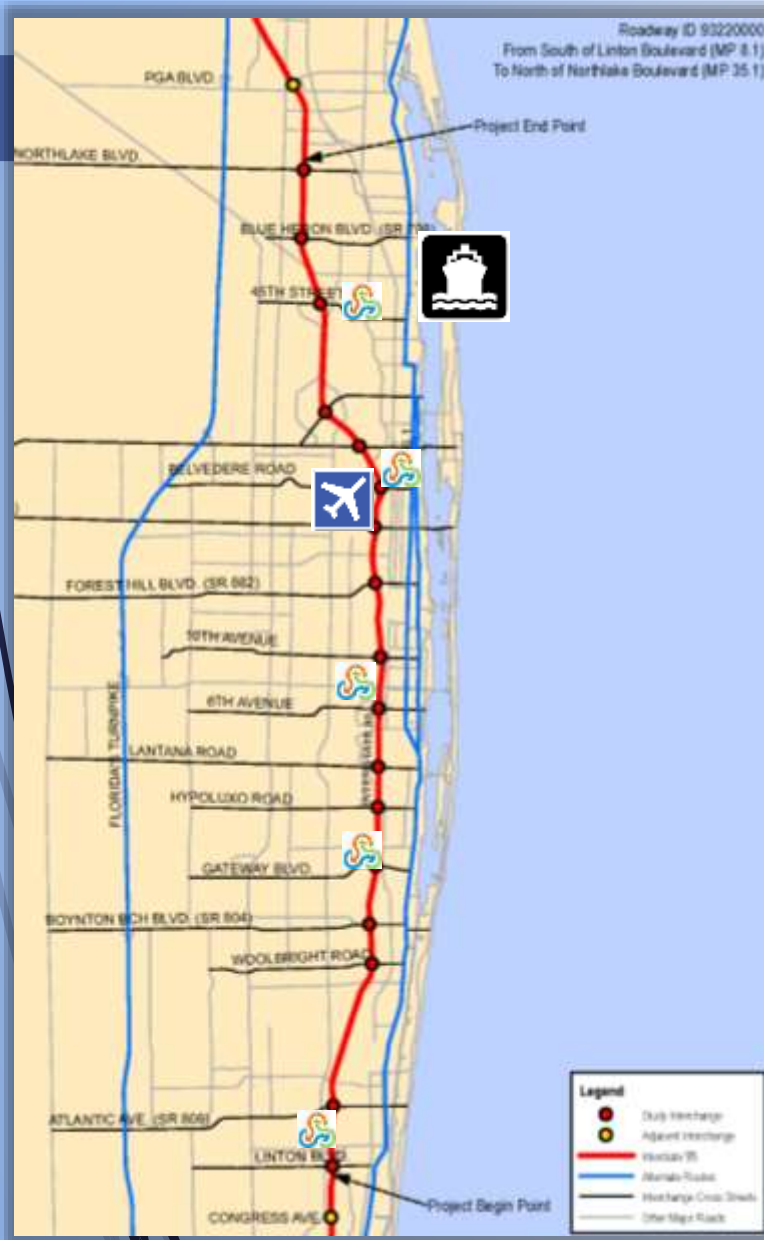


SR 9 (I-95) Interchange Master Plan Study Results

FDOT incorporated recommendations into:

- Design Projects
- PD&E Studies

FDOT programs PD&E Studies and Design Projects based on priority and SIS funding availability



Strategic Intermodal System (SIS)

- **Established by the Florida Legislature in 2003 (F.S. 339.61)**
- **State Funded Program**
- **Focuses state resources on transportation facilities most critical to statewide travel, including:**

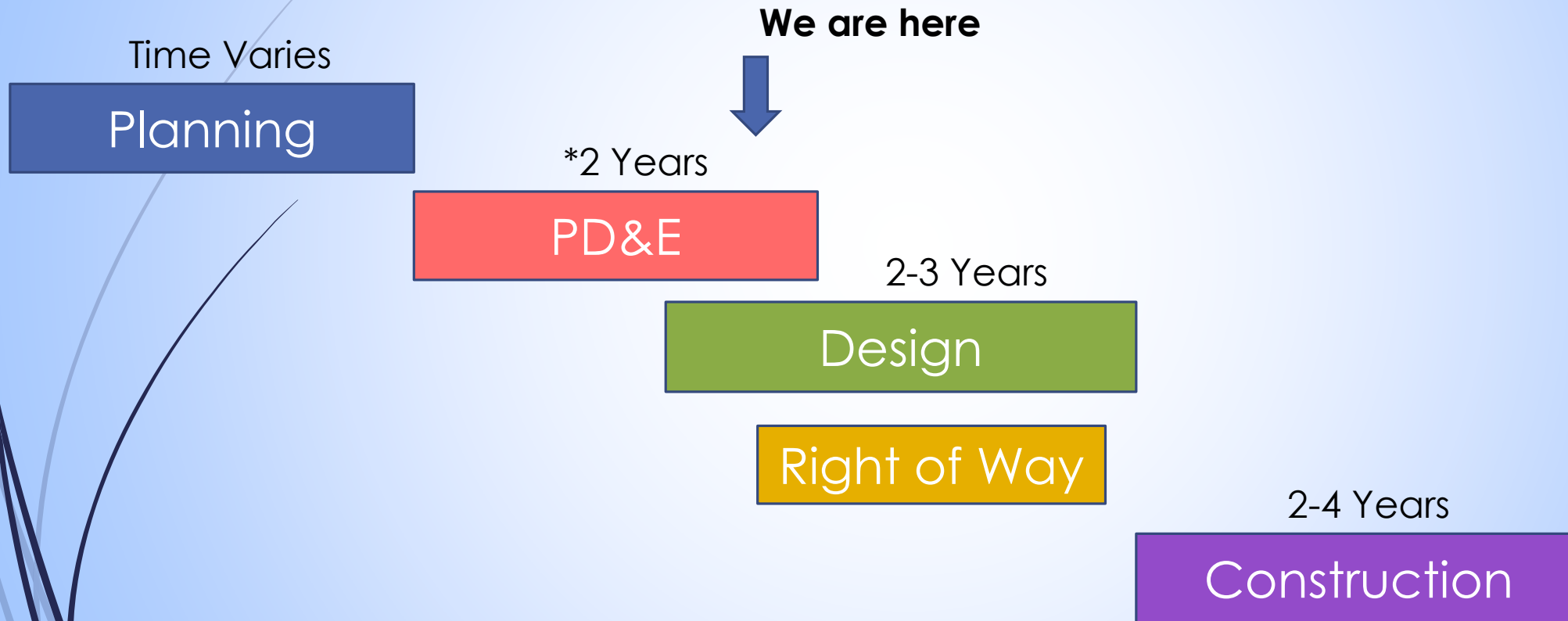
Interstates Interchanges Airports
Seaports Spaceports Rail
Highways of Interregional Significance
"Last Mile" Connectors



➤ **SIS Planning Documents**

- First 5 Year Plan – projects funded in 5 Year work program
 - Second 5 Year Plan – planned projects years 6-10
- SIS Cost feasible Plan – projects projected for years 11-25
 - SIS Multi Modal Unfunded Needs Plan

Typical Project Development Process Flowchart



*Categorical Exclusion Type II



PD&E Process

A PD&E Study is FDOT's process to evaluate the social, economic and environmental impacts associated with a planned transportation improvement project:

- ▶ Data Collection**
- ▶ Alternative Development**
- ▶ Avoid and/or Minimize Impacts**
- ▶ Alternative Evaluation**
- ▶ Select Preferred Alternative**
- ▶ Incorporate Public Involvement/Input**



Public Involvement & Stakeholder Coordination

- ▶ **Elected Officials/Agency Kick-off Meeting – 6/16/16**
- ▶ **Public Kick-Off Meeting - 6/16/16**
- ▶ **Alternatives Workshop – 9/15/16**
- ▶ **Public Hearing - 8/3/17**

- ▶ **Meeting with City of Lake Worth – 8/18/16**
- ▶ **Field Review Meeting with City of Lake Worth Electric Utilities – 8/31/16**
- ▶ **Palm Beach County Meeting 5/4/17**

Project Location Map

- I-95 at 6th Avenue South Interchange
- City of Lake Worth
- Palm Beach County
- I-95 from North of 12th Avenue South to South of Lake Worth Road
- 6th Avenue South from Michigan Avenue to South C Street



Project Purpose

The **purpose** is to identify short-term and long-term needs and develop design concepts to address:

- Traffic spillback onto I-95
- Improve interchange operations
- Reduce congestion
- Increase safety

The **need** is based on the future travel demand anticipated based on:

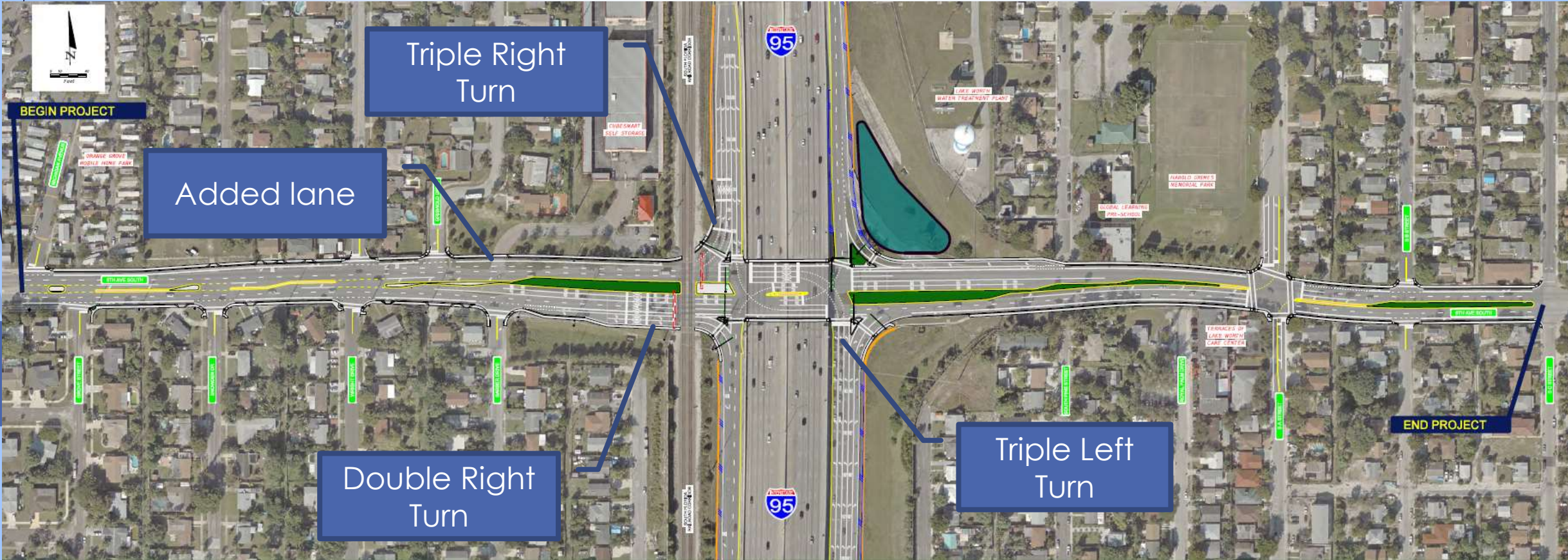
- Population growth
- Employment growth

Deficiencies and Needs

- Traffic Operations
- Railroad Operations
- Lack of Bike lanes



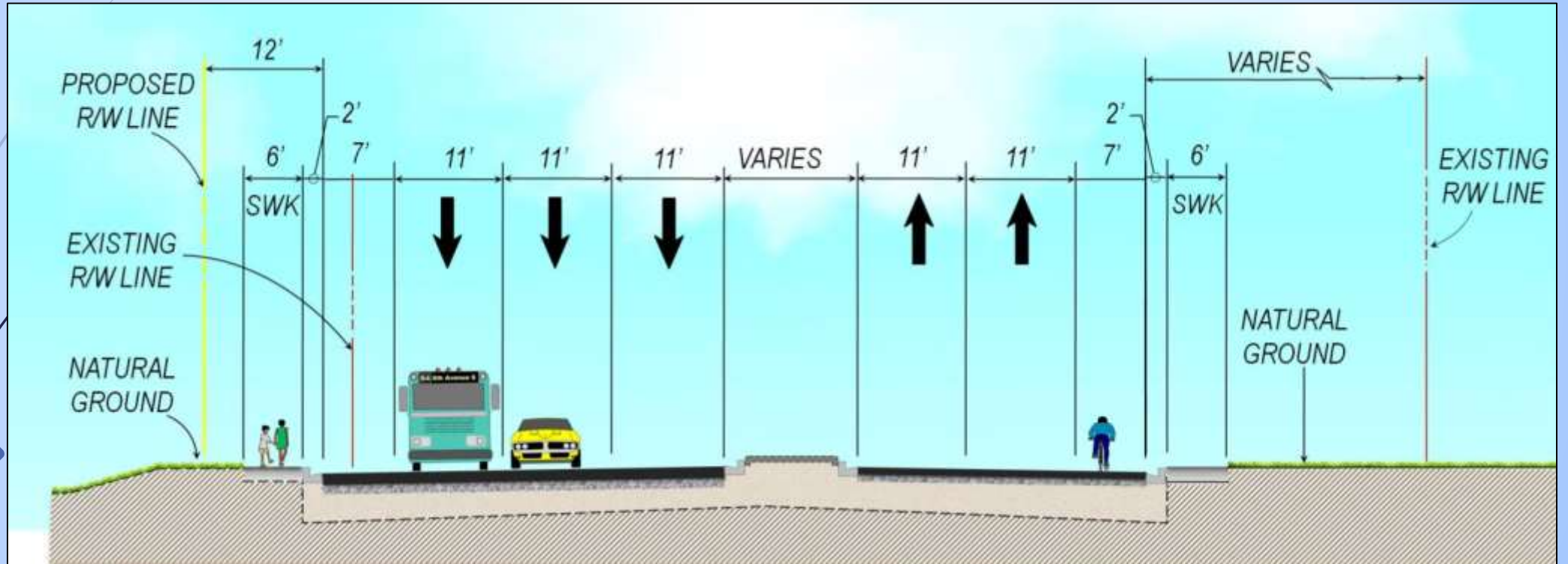
Overview of Preferred Alternative



Overview of Preferred Alternative

- 7 foot bike lanes
- Improved Bus Bays (ADA compliant)
- 6 foot sidewalks
- Increased storage lanes
- Improved signing and pavement markings
- Optimized signal timings

Overview of Preferred Alternative



4 - lane divided with 7' bike lanes & additional auxiliary lane westbound

West of I-95

Timeline and Funding

We are here



2/21/16

6/16/16

9/15/16

7/11/17

8/03/17

8/30/17

10/20/17



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.



Timeline and Funding

Construction Costs (millions)	10.13	FY 2021
Utility Relocation Costs (millions)	0.60	FY 2021
R/W Costs (millions)	1.51	FY 2021
Engineering Cost (10%)	1.01	FY 2018
CEI* (10%)	1.01	FY 2021
Total (millions)	14.26	FY 2021



Thank You