



# SR 80 Corridor Action Plan

From US-27 to Congress Avenue

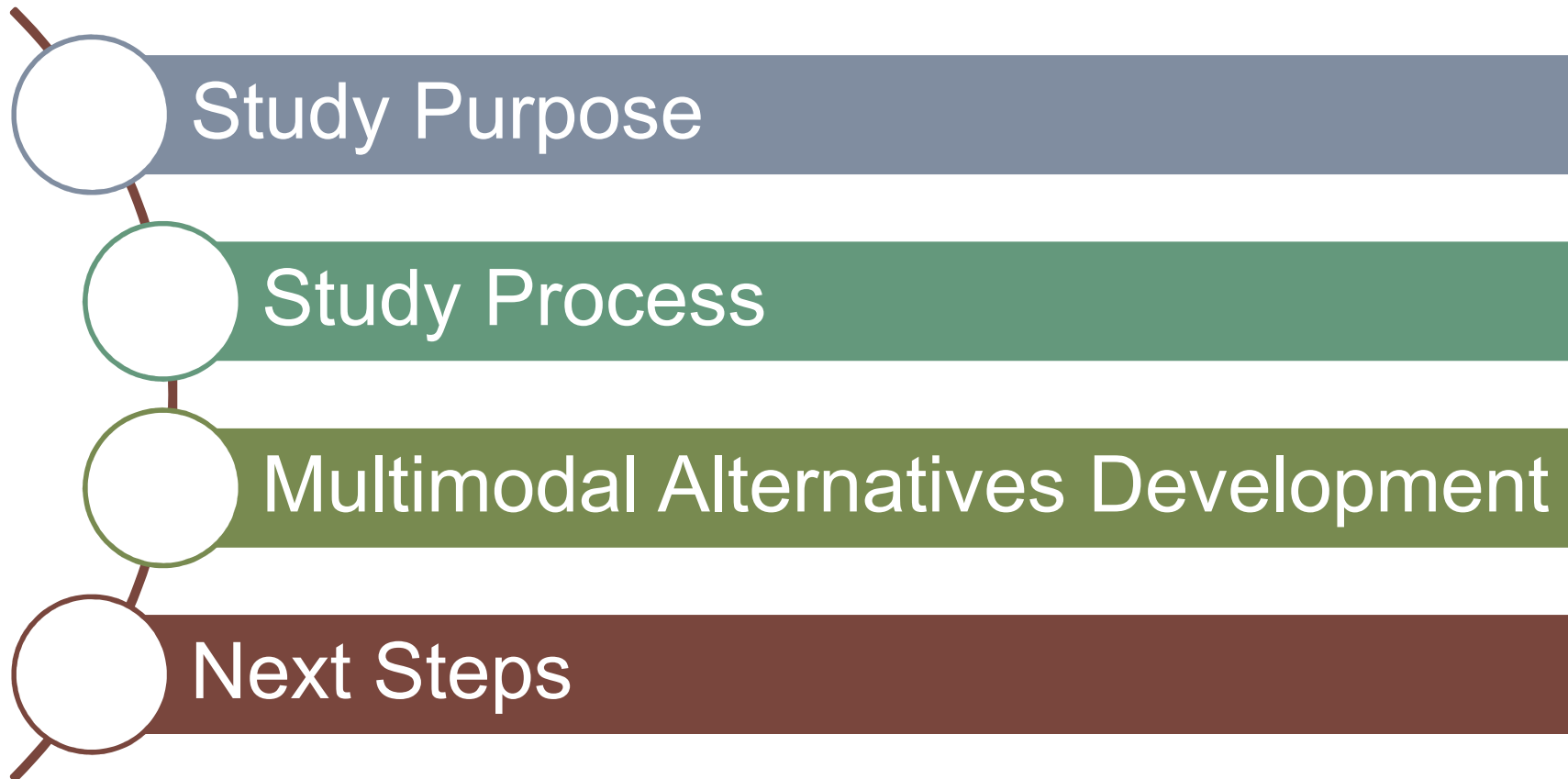
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## Palm Beach MPO Board and Subcommittee Meetings

September 2017



# Agenda



# STUDY PURPOSE

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## **Study Outcome:**

Recommend actions to be taken by FDOT, local governments, and other stakeholders to protect and enhance the Strategic Intermodal System (SIS) corridor

## **Study Objectives:**

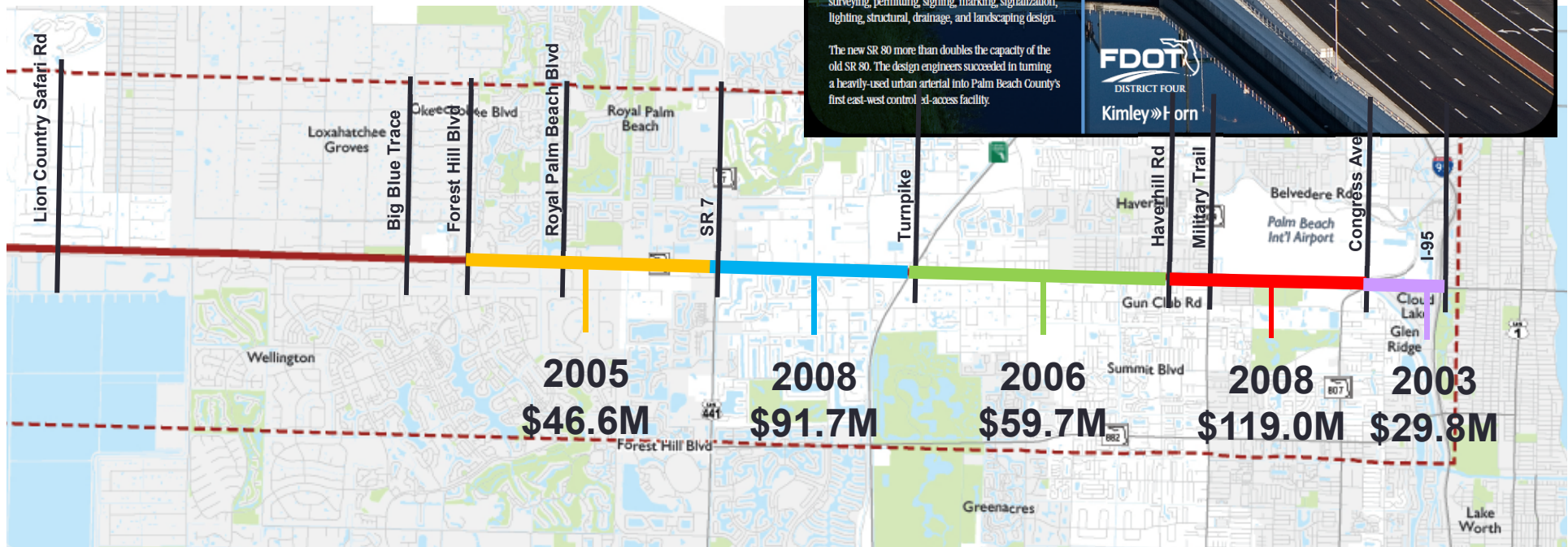
- Improve upon and preserve accessibility and mobility for all users
- Consider multimodal strategies to meet demand safely and efficiently
- Identify strategies to ensure mobility that are consistent with land use and transportation plans
- Develop a plan in cooperation with state, regional, and local stakeholders

# The Importance of the SIS

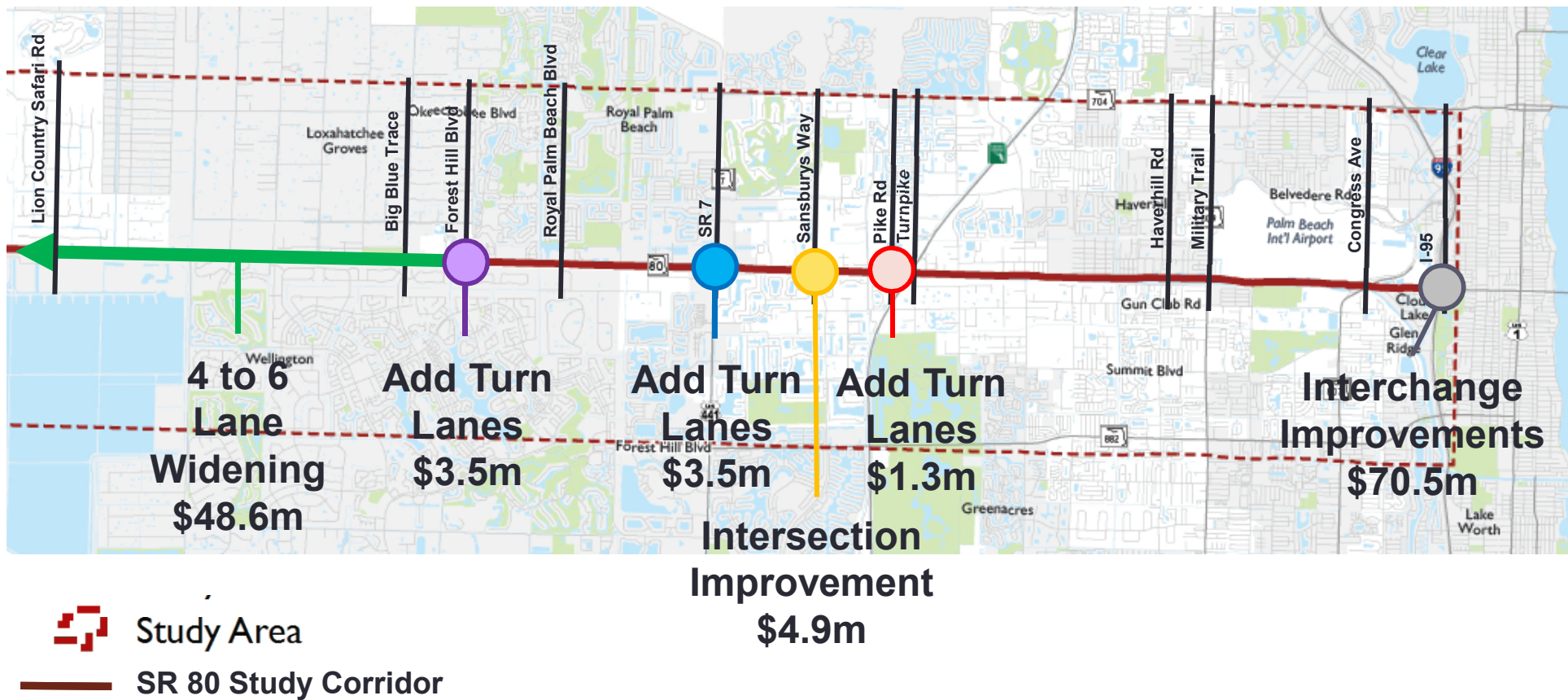
- Florida's high priority network vital to the state's economy
- Established in 2003 by the Governor and Legislature to focus resources on facilities most significant to interregional, interstate, and international travel
- State's highest priority for capacity investments
- Three guiding goals for investment decision-making:
  - To provide agile, resilient, and quality infrastructure
  - To provide efficient and reliable mobility for people and freight
  - To provide more transportation choices for people and freight



# Over \$346 Million of Improvements Invested Since 2005



# Over \$117 Million of Programmed Future Investments (plus the I-95/SR 80 PD&E and this Action Plan)



# Future Developments (from Palm Beach County Website)

## TPS Selected Links

NB/EB

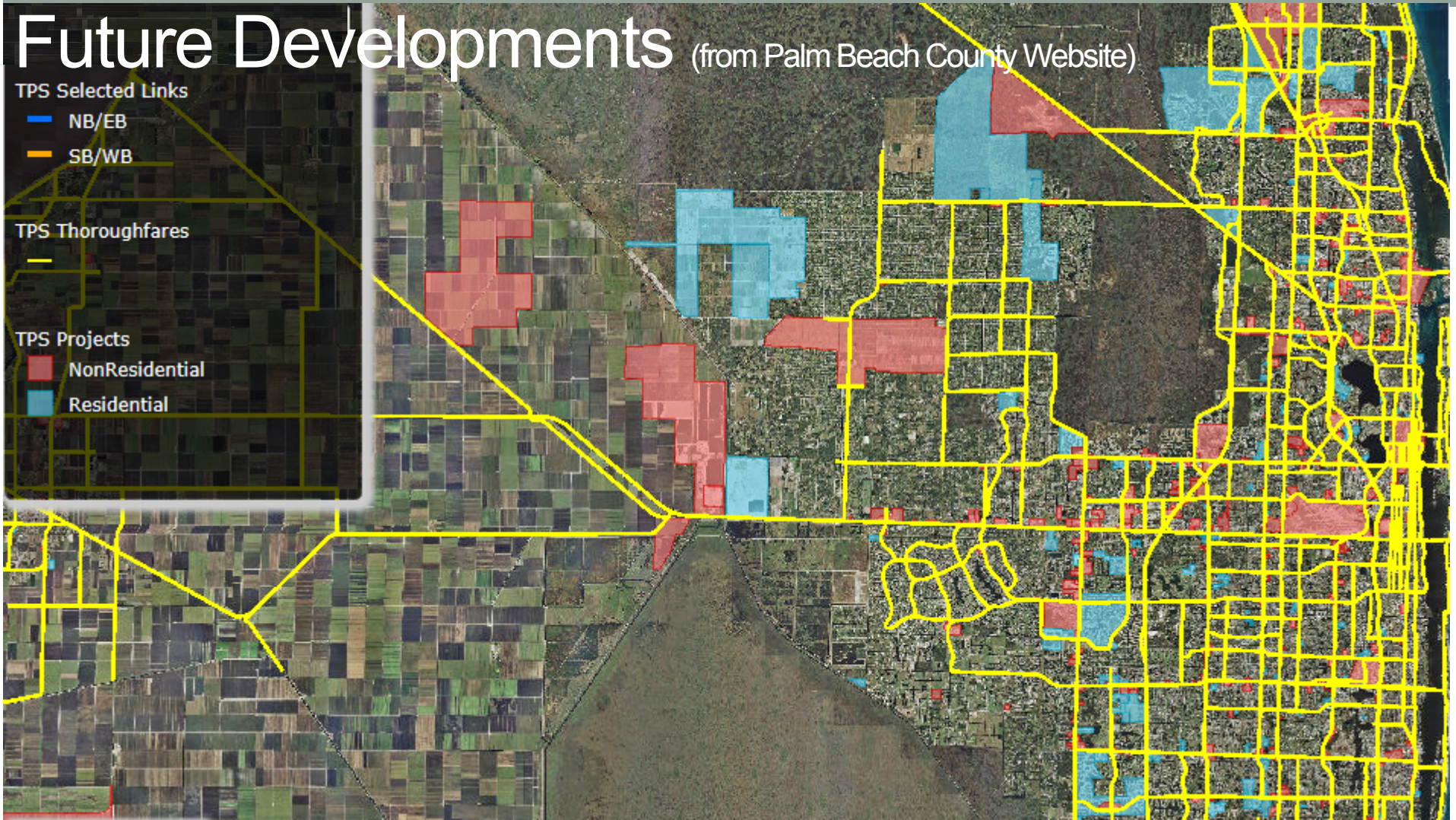
SB/WB

## TPS Thoroughfares

## TPS Projects

NonResidential

Residential



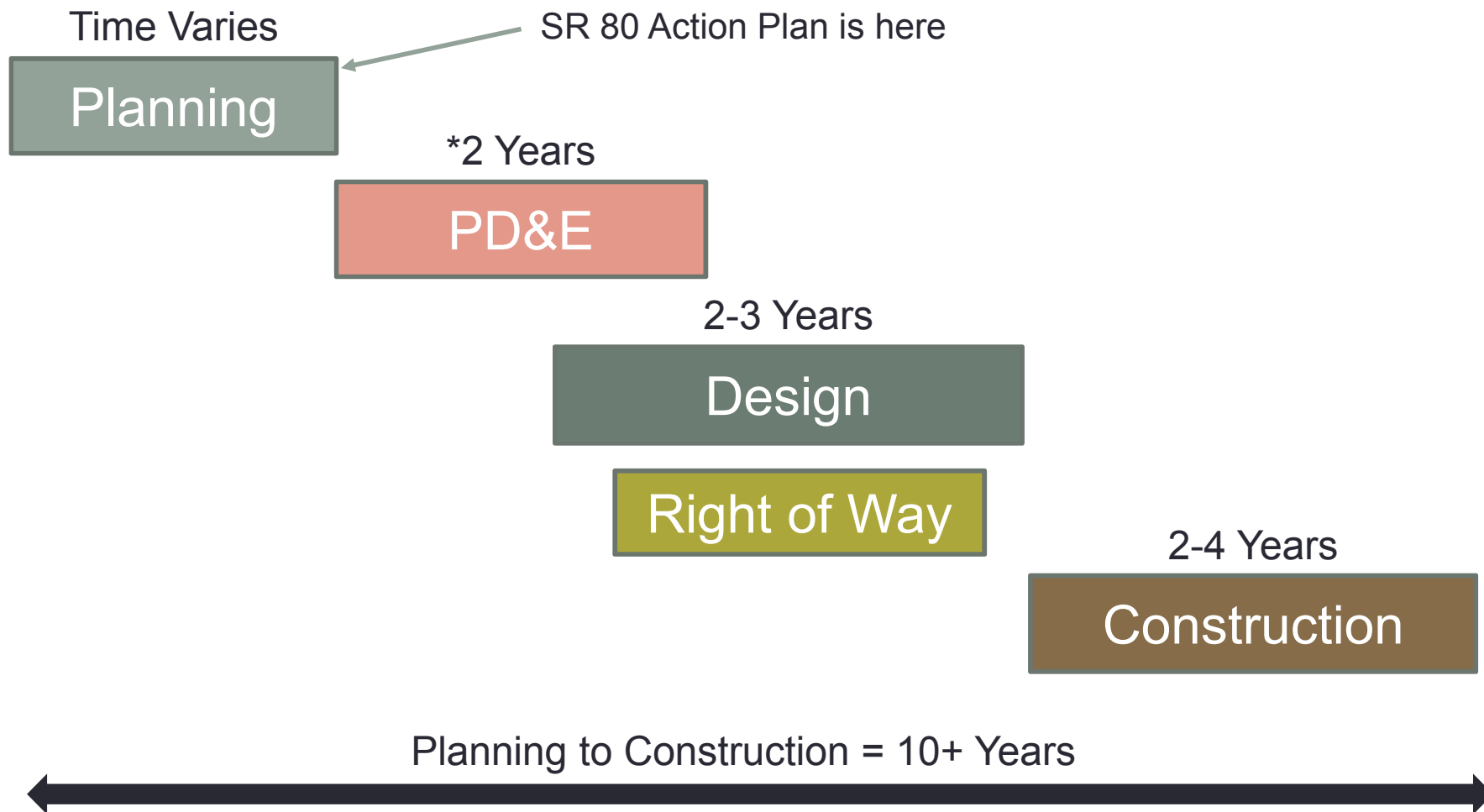
Thousands of new homes have been approved in the western communities, potentially generating 150,000+ new trips per day with ~30,000 of those expected to use SR 80.



# STUDY PROCESS

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# Project Development Process Flowchart



\*Based on a Categorical Exclusion Type II Classification

# Action Plan Steps



Data Collection



Analysis + Alternatives Development



Alternatives Public Workshop



Prepare Action Plan Report

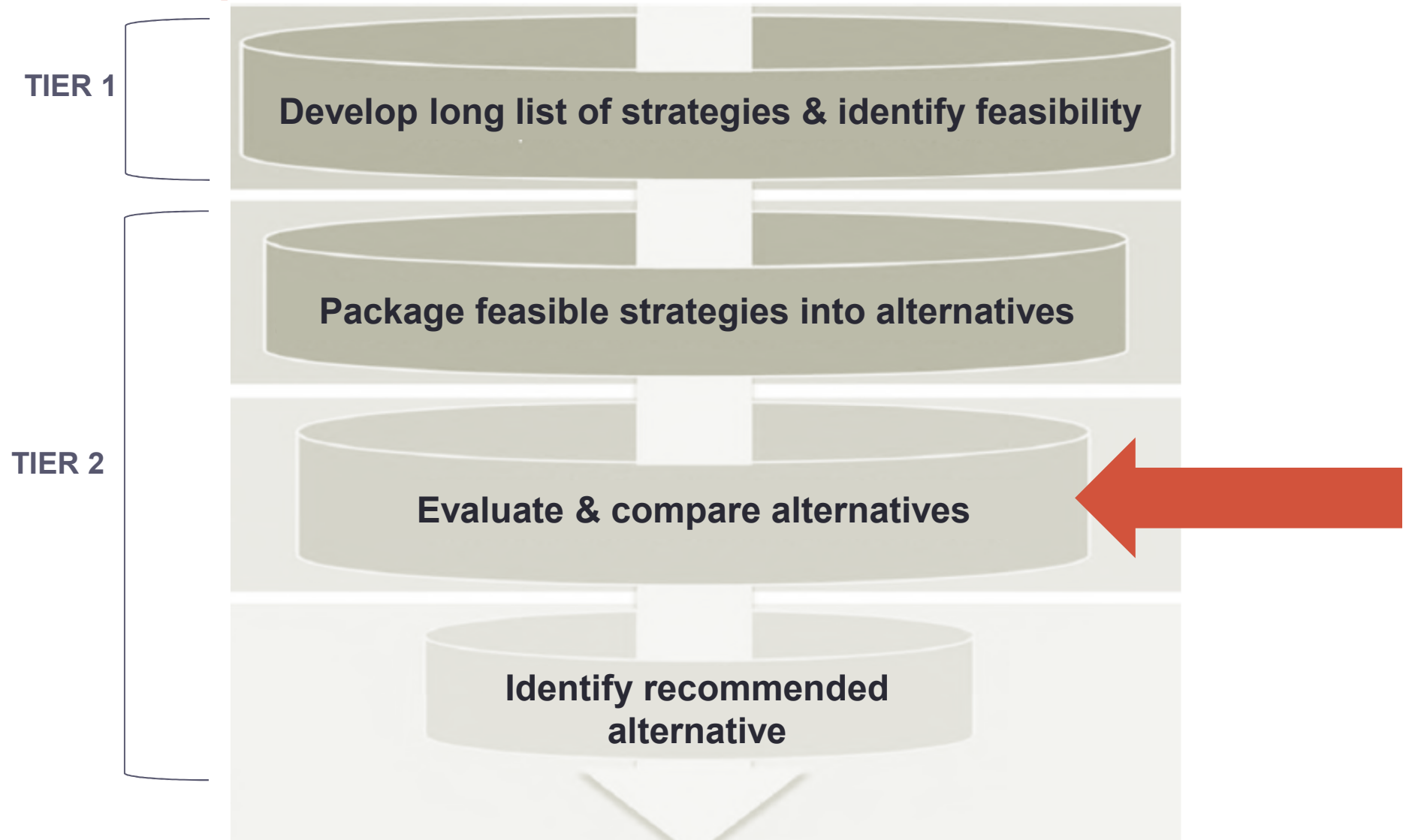


Action Plan Adoption

# MULTIMODAL ALTERNATIVE DEVELOPMENT

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# Overview of Tiered Alternative Development Process



## Eastern Section: 20-Mile Bend to Congress Avenue

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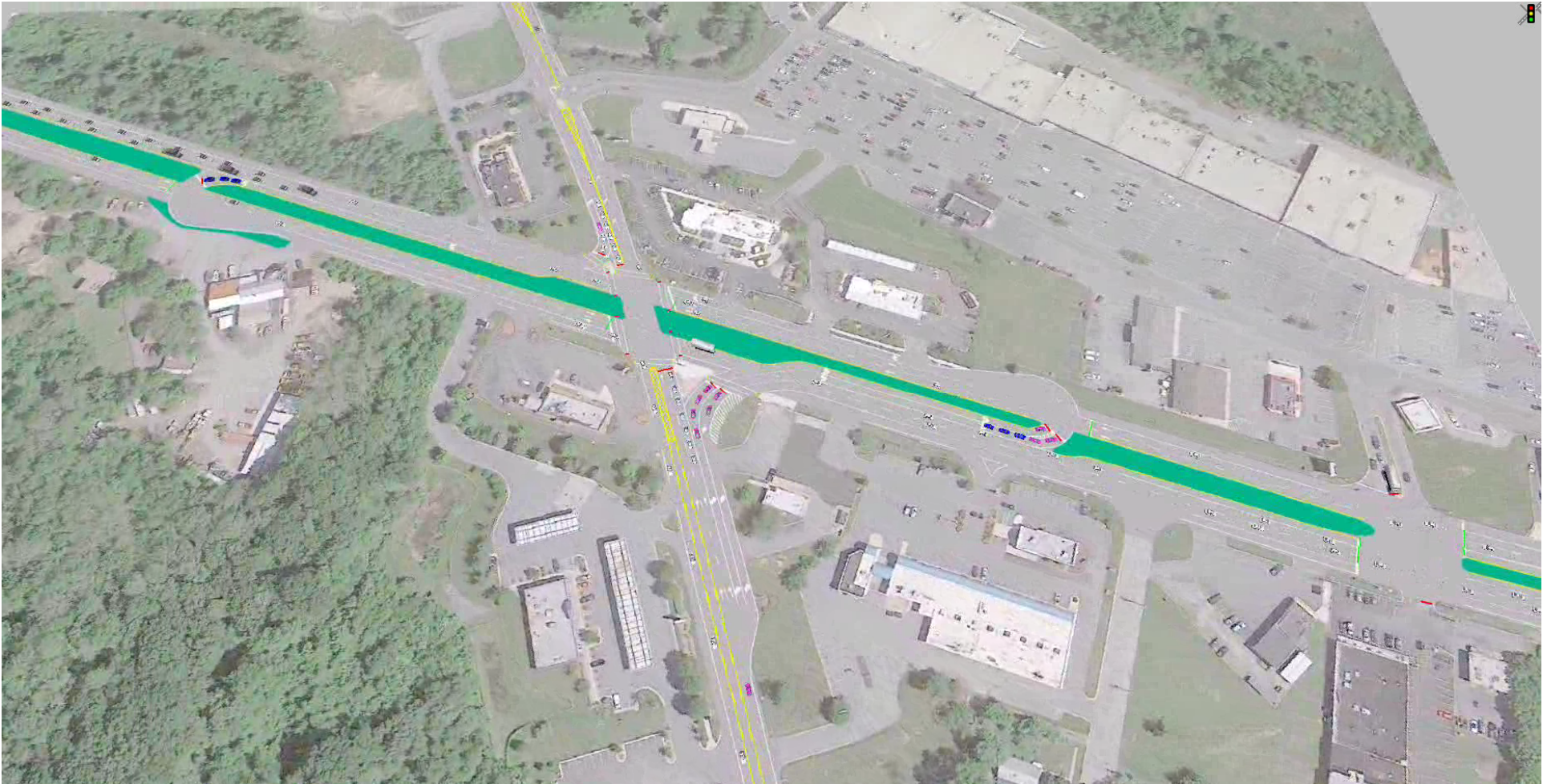


# Alternative 1: Signalized Arterial with Alternative Intersections

- Binks Forest to Royal Palm Beach: widen to 8-lanes
- Royal Palm Beach to Congress: continuous 8-lanes with alternative intersection forms (10 intersections)



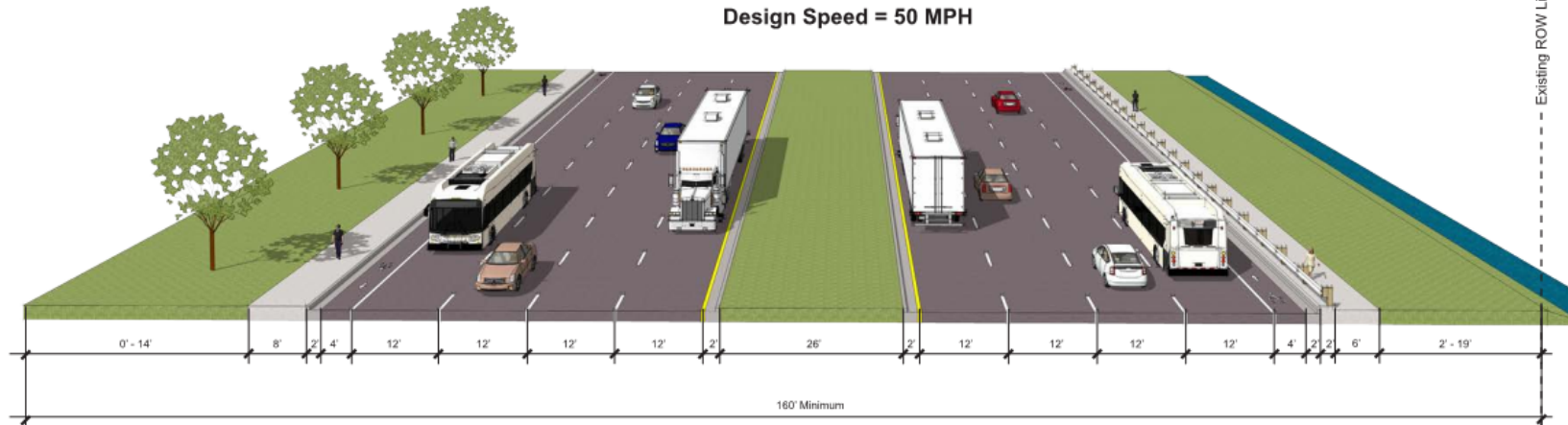
# Alternative Intersection Example



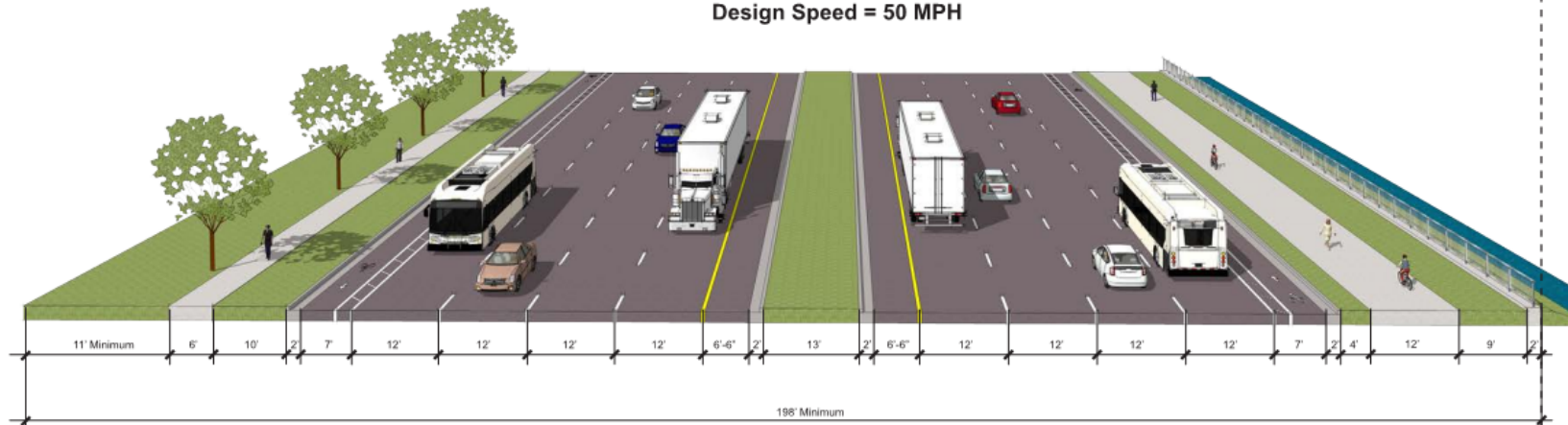


# Alternative 1: Segment Typical Section

**Existing  
8-Lanes  
Design Speed = 50 MPH**

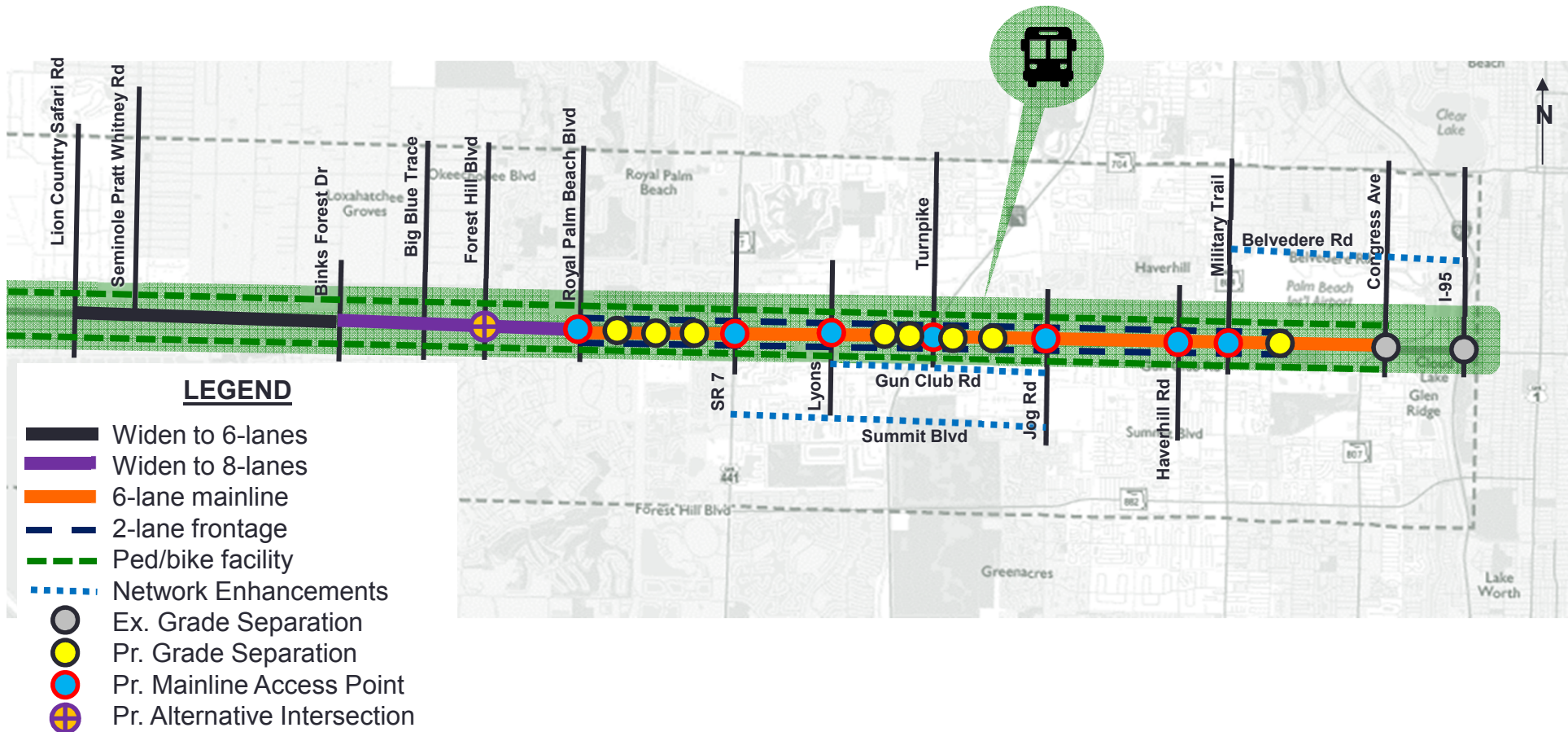


**Proposed: Alternative 1  
8-Lanes  
Design Speed = 50 MPH**

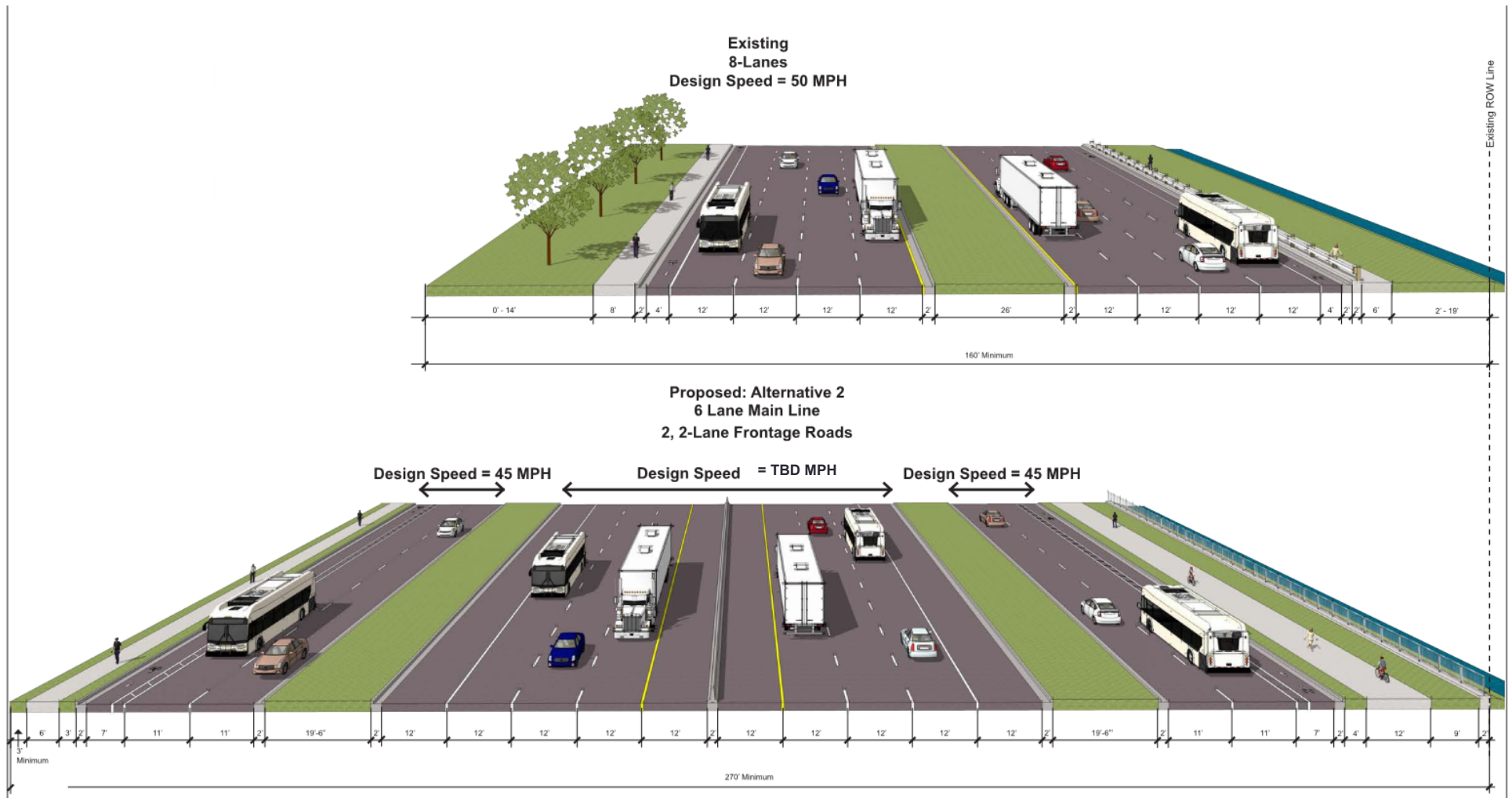


# Alternative 2: Grade-Separated Access Controlled Lanes + Frontage Roads

- Binks Forest to Royal Palm Beach: widen to 8-lanes
- Royal Palm Beach to Congress: configure as 6-lane mainline + 4-lane frontage road system from Royal Palm Beach to Congress

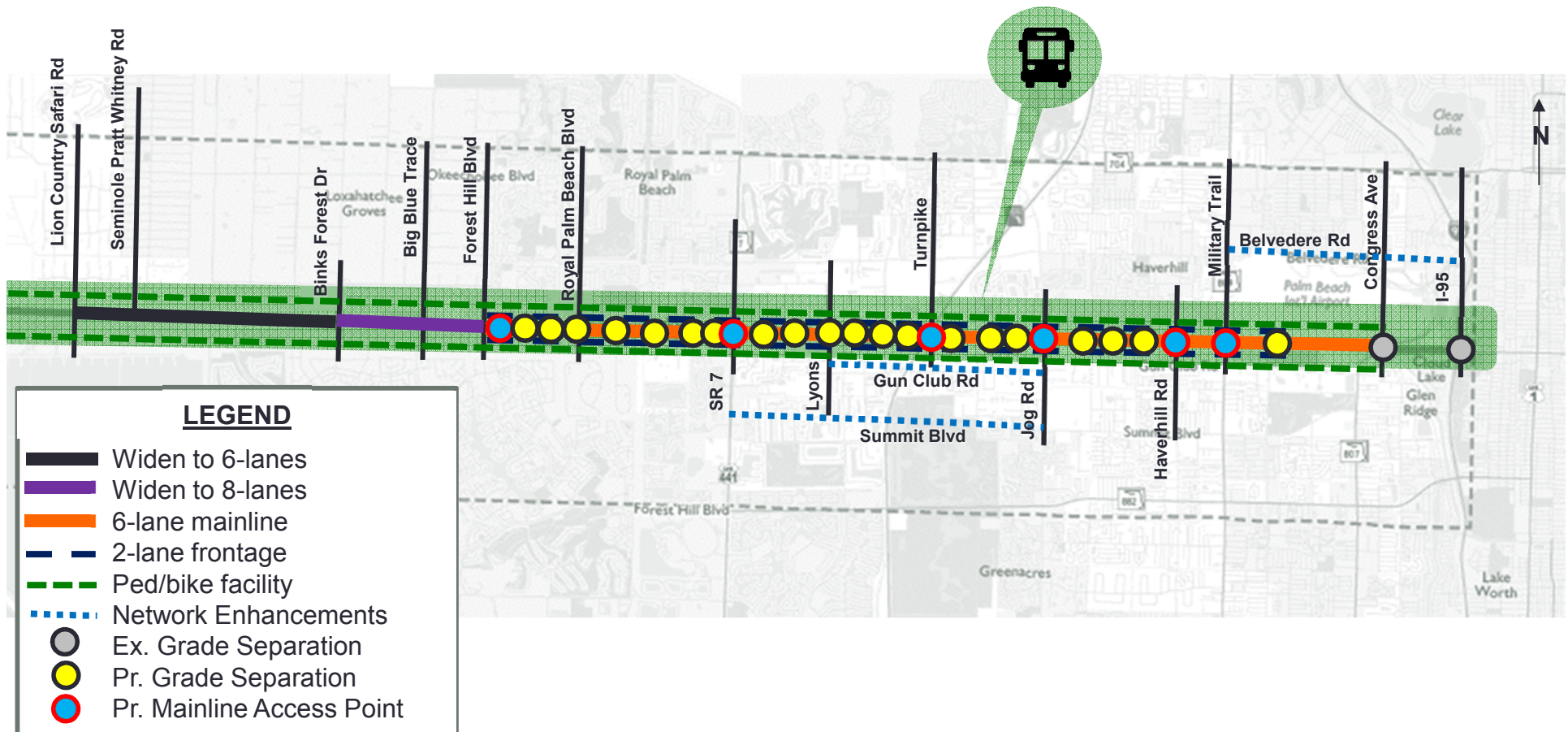


# Alternative 2: Segment Typical Section

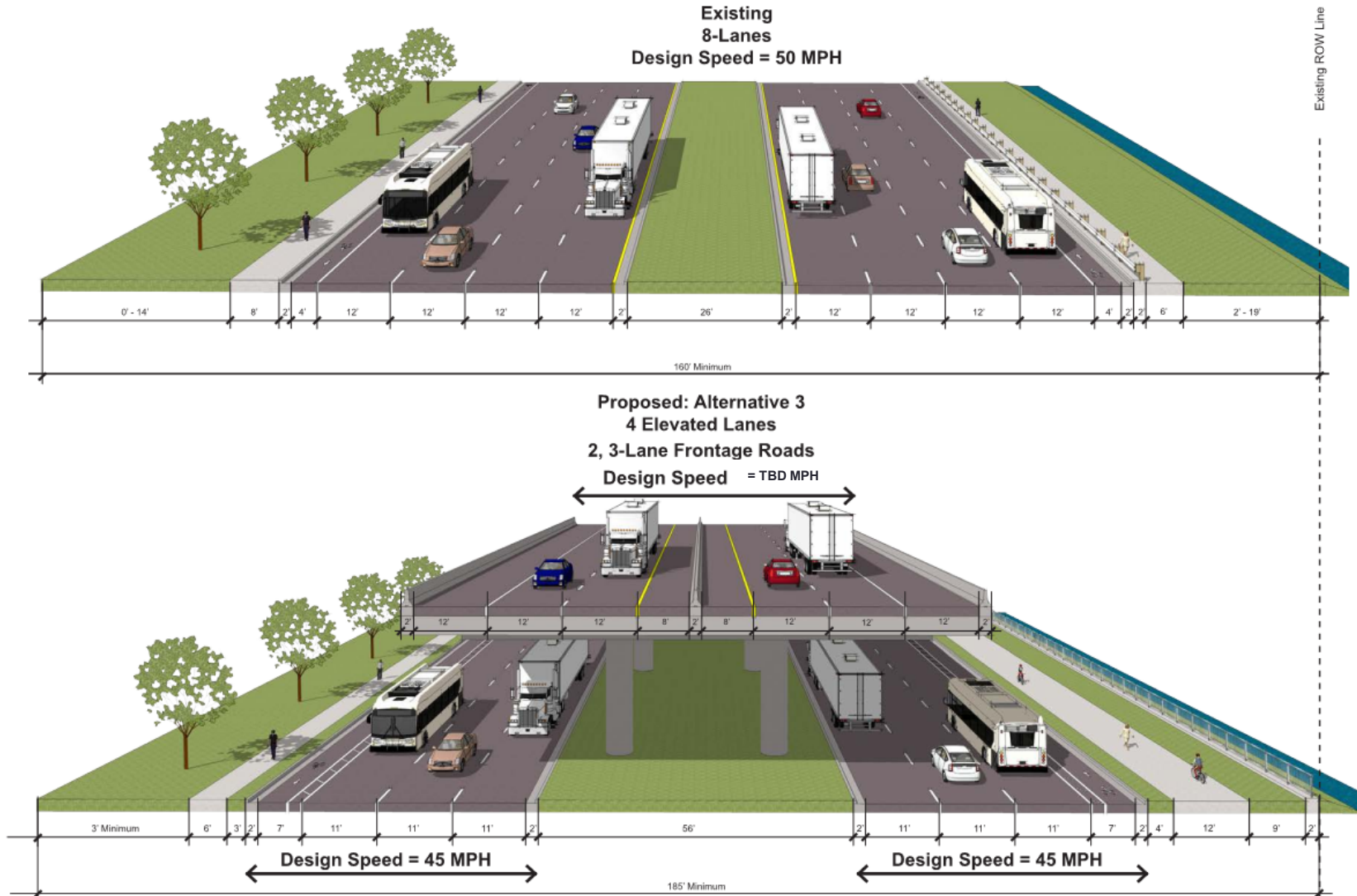


# Alternative 3: Elevated Access Controlled Lanes + Frontage Roads

- Binks Forest Drive to Forest Hill: widen to 8 lanes
- Forest Hill to Congress: configure 4-lane elevated mainline and 6-lane frontage road system



# Alternative 3: Segment Typical Section



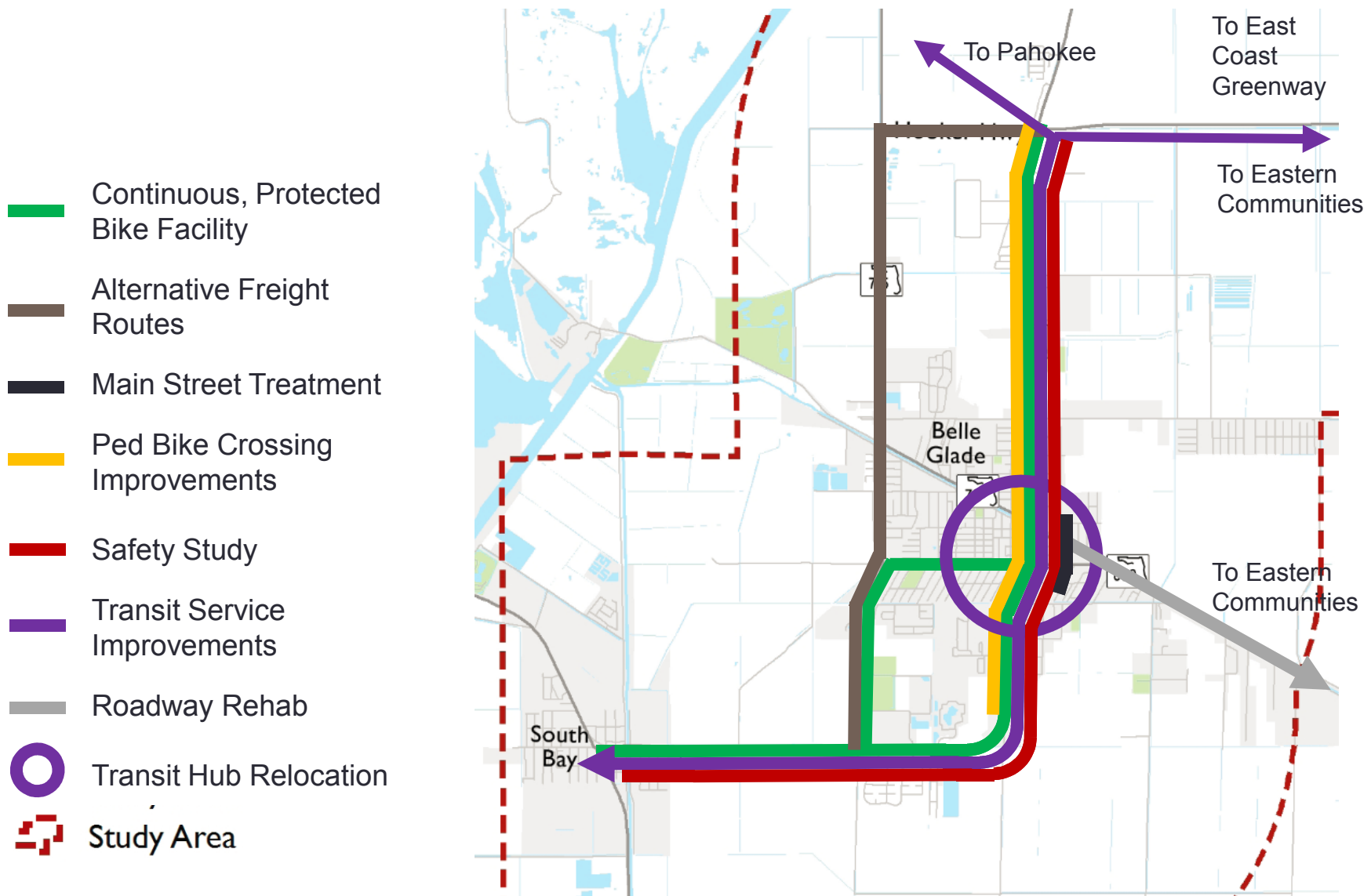
## Western Section: US-27 to 20-Mile Bend

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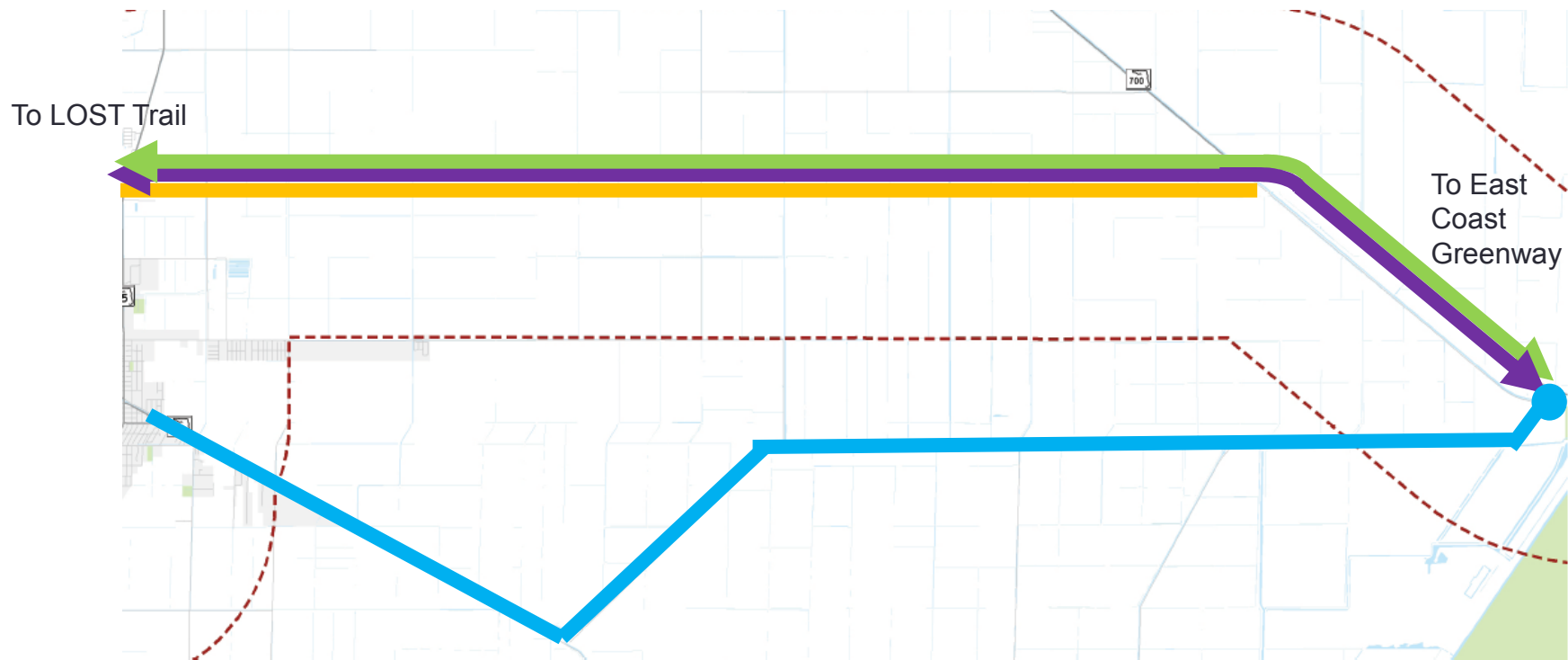
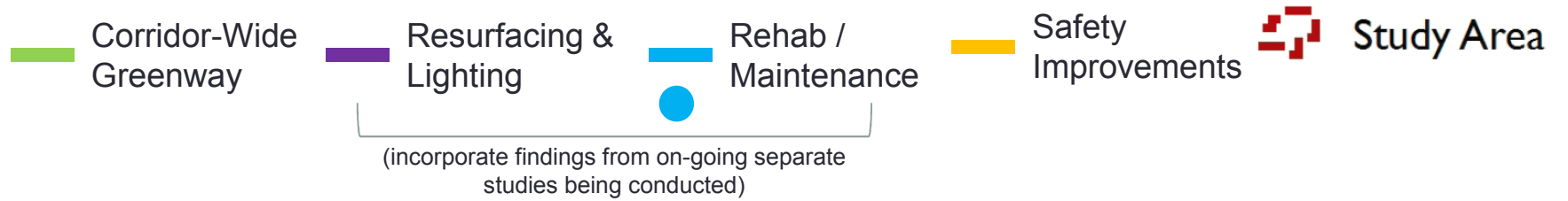


# Multimodal Alternatives from US 27 to Hooker Hwy

(based on identified needs & goals)



# Multimodal Alternatives from Hooker Hwy to 20-Mile Bend (based on identified needs & goals)





# NEXT STEPS

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## Next Steps

- September 2017 – October 2017:
  - Conduct Alternatives Public Workshop
- November 2017 – January 2018:
  - Prepare reports and complete study