SR 80 Corridor Action Plan
From US-27 to Congress Avenue

Palm Beach MPO Board and Subcommittee Meetings
September 2017
Agenda

- Study Purpose
- Study Process
- Multimodal Alternatives Development
- Next Steps

*ACTION ITEM:* CONFIRM ALTERNATIVES TO MOVE INTO TIER 2 ANALYSIS
STUDY PURPOSE
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)
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.
Project Development Process Flowchart

Planning

*2 Years

PD&E

2-3 Years

Design

Right of Way

2-4 Years

Construction

Time Varies

SR 80 Action Plan is here

Planning to Construction = 10+ Years

*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
Overview of Tiered Alternative Development Process

TIER 1
- Develop long list of strategies & identify feasibility
- Package feasible strategies into alternatives

TIER 2
- Evaluate & compare alternatives
- Identify recommended alternative
Eastern Section: 20-Mile Bend to Congress Avenue
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

Existing
8-Lanes
Design Speed = 50 MPH

Proposed: Alternative 3
4 Elevated Lanes
2, 3-Lane Frontage Roads
Design Speed = TBD MPH

Design Speed = 45 MPH
Western Section: US-27 to 20-Mile Bend
Multimodal Alternatives from US 27 to Hooker Hwy (based on identified needs & goals)

- Continuous, Protected Bike Facility
- Alternative Freight Routes
- Main Street Treatment
- Ped Bike Crossing Improvements
- Safety Study
- Transit Service Improvements
- Roadway Rehab
- Transit Hub Relocation
- Study Area
- To East Coast Greenway
- To Eastern Communities
- To Pahokee
Multimodal Alternatives from Hooker Hwy to 20-Mile Bend
(based on identified needs & goals)

- Corridor-Wide Greenway
- Resurfacing & Lighting
- Rehab / Maintenance
- Safety Improvements

(incorporate findings from on-going separate studies being conducted)
NEXT STEPS
Next Steps

• September 2017 – October 2017:
  • Conduct Alternatives Public Workshop

• November 2017 – January 2018:
  • Prepare reports and complete study