Palm Beach MPO Board Update

I-95 at Southern Boulevard (SR 80)
Project Development and Environment Study

Palm Beach County, Florida
Financial Project ID No.: 435516-1-22-02
ETDM No.: 14183
October 20, 2016
Location:

- I-95 at Southern Boulevard (SR 80) Interchange
- West Palm Beach, Glen Ridge, Cloud Lake
- Southern Boulevard from Australian Avenue to Parker Avenue
Data Collection:
• A review of all existing conditions = COMPLETE

Engineering Analysis:
• Develop alternatives that meet the needs of the study area

Environmental Evaluations:
• Potential impacts to the social, natural and physical environments

Public Involvement:
• Continuous community outreach and stakeholder coordination

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.
Alternatives Analysis

- Meet future travel demand
- Avoid or minimize impacts to the community and environment
- Developed / refined with input from the public, local governments and environmental agencies
- Criteria for comparison of alternatives:
  - Community and environmental impacts
  - Costs for design and construction, operational lifespan, right-of-way acquisition, etc.
No Build Alternative

- No improvements to the existing facility
- Traffic conditions will continue to deteriorate
- Congestion and delay will increase
Concept Development Alternative

ELIMINATED from further evaluation
Common Improvements (all Alternatives)

- Intersection and turn lane improvements along the SR 80 corridor within the project limits
  - Signals optimized
  - Lang Road median = closed on SR 80

- Parker Avenue:
  - EB right turn lane,
  - increased left turn storage,
  - dual left turns (NB)
Common Improvements (all Alternatives)

- Bridge Widening
- Upgraded Bicycle facilities
  - Reconstruction: 7 ft., buffered bike lanes
  - Resurfacing: 4 ft. bike lanes, Sharrows on Parker
  - Green bike lanes in conflict zones
• Upgraded Pedestrian facilities
  • Reconstruction: new sidewalks
  • Resurfacing: improved ADA features
  • Special emphasis signs / markings at cross walks
    • High Intensity Activated CrossWalk (HAWK)
    • Rapid Rectangular Flashing Beacon (RRFB)
Common Improvements (all Alternatives)

- SB I-95 Exit Ramp
  - 3 right turn lanes
  - 2 left turn lanes
- SB I-95 Entrance Ramp
  - 2 right turn lanes from WB
  - 2 left turn lanes from EB
Common Improvements (all Alternatives)

- NB I-95 Exit Ramp
  - 2 right turn lanes
  - 3 at-grade, left turn lanes
- NB I-95 Entrance Ramp
  - 1 free-flow right turn lane from WB
• No right of way acquisition from the Vedado Historic District
• Single lane flyover touches down east of Australian Avenue
Alternative 1-NB I-95 to WB SR 80 Flyover

End flyover location just east of Australian Avenue
Alternative 1-NB I-95 to WB SR 80 Flyover

- Requires right of way
  - West of I-95, north and south side of SR 80
Alternative 2-NB I-95 to WB SR 80 (4th level) and EB SR 80 to NB I-95 (3rd level) Flyovers

- NB to WB, Single lane, 4th level flyover touches down east of Australian Avenue
- EB to NB, Single lane, 3rd level flyover, begins east of Gem Lake intersection, ties into I-95 NB ramp
• Requires right of way
  • West of I-95, north / south side of SR 80
  • East of I-95, Dreher Park
Alternative 3-EB SR 80 to NB I-95 Flyover

• EB to NB, Single lane, 3rd level flyover, begins east of Gem Lake intersection, ties into I-95 NB ramp
Alternative 3-EB SR 80 to NB I-95 Flyover

- Requires right of way
  - W of I-95, south side of SR 80
Alternative 4-Dual 3rd level Flyovers, NB I-95 to WB SR 80 and EB SR 80 to NB I-95
Alternative 4-Dual 3rd level Flyovers, NB I-95 to WB SR 80 and EB SR 80 to NB I-95

- NB to WB flyover touches down east of Australian Avenue
- EB to NB flyover begins west of Gem Lake intersection
Alternative 4-Dual 3rd level Flyovers, NB I-95 to WB SR 80 and EB SR 80 to NB I-95

- Requires right of way
  - West of I-95, north and south sides of SR 80
  - Maintenance easement, Dreher Park
    - If ramps in median, no impact to Park
I-95 Express Lanes

- Are not a part of this study

- Alternatives will not preclude future express lanes

- Express Lane Direct Connect Concept is under development
# Project Schedule

## I-95 at Southern Boulevard (SR 80) Interchange Project Development and Environment (PD&E) Study

### SCHEDULE

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<th>TASK</th>
<th>2015</th>
<th>2016</th>
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<td>Quarter 2</td>
<td>Quarter 3</td>
<td>Quarter 4</td>
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<td>Study Begins</td>
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<td>SN</td>
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<td>Data Collection</td>
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<td>Public Kick-off Meeting</td>
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<td>Develop and Evaluate Alternatives</td>
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<td>Environmental Evaluations</td>
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<td>Alternatives Public Meeting</td>
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<td>Finalize Draft Engineering &amp; Environmental Documents</td>
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<td>Public Hearing</td>
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<td>Submit Project Document to Federal Highway Administration (FHWA)</td>
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<td>FHWA Location Design and Concept Acceptance</td>
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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 participation in the process.

### LEGEND:
- Green Circle: Study Begins
- Blue Bar: Tasks
- Grey Square: Public Meeting
- Brown Square: Public Hearing
- Red Circle: Study Complete
Meetings Held to Date....

- Towns of Glen Ridge and Cloud Lake
- Palm Beach MPO Staff
- City of West Palm Beach: Preservation Planner & Planning Staff, Parks and Rec., Engineering
- South Florida Regional Transit Authority (SFRTA) Staff
What’s Next?

- Continuous Public Involvement
- Finalize alternatives / environmental evaluation / documentation incorporating public input
- Alternatives Public Workshop
- Public Hearing
- Recommended Alternative
- Location Design Concept Acceptance (LDCA)
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