SIS 2045 Multimodal Unfunded Needs Plan: FDOT District Four Projects

Project Review with Metropolitan/Transportation Planning Organizations

March/April 2017
• Purpose of and Planning for Florida’s Strategic Intermodal System

• Update of SIS Multi-Modal Unfunded Needs Plan (MMUNP) from 2040 to 2045

• Review of Projects for FDOT District Four (D4) in SIS 2045 MMUNP
Strategic Intermodal System (SIS) - Purpose and Planning

- SIS, established by Florida Legislature in 2003 (F.S. 339.61), is statewide network of high priority transportation facilities including airports, highways, railroads, seaports, spaceports, and transit

- SIS facilities are workhorses of state’s transportation system accounting for dominant share of people and freight movement to, from, and within state

- FDOT plans for SIS coordinating with M/TPOs and other partners

- M/TPOs plan for integrated metropolitan transportation systems coordinating with FDOT and other partners, while giving emphasis to facilities that serve national, state, and regional transportation functions (23 USC 134, 49 USC 5303, F.S. 339.175)
SIS – Planning and Programming Process

Coordination with Partners and Stakeholders

Policy
- Florida Transportation Plan & SIS Policy Plan
- Multimodal Unfunded Needs Plan

Planning
- Modal Plans
- Corridor Plans
- Cost Feasible Plan (CFP)

Program Development
- New 10th Year
- 2nd Five Years
- Adopted Work Program

Delivery
- 10-Year Plan
- MPO TIPs & Priority Lists

MPO Plans
- Expressway Authority Plans

SIS Annual Process

Implement Projects
SIS 2045 MMUNP – Update Process

Plan Development

• Kicked off update in January 2016
• Identified capacity and mobility needs across modes to 2045 for designated and proposed SIS facilities by:
  o Reviewing available plans, studies, and other documents including SIS 2040 MMUNP
  o Reviewing available data and completing 2045 regional needs assessments using regional travel demand models
  o Consulting and coordinating with M/TPO and modal partners, neighboring FDOT districts, Turnpike, and FDOT Central Office
• Identified needs without regard to funding availability or sources

Outreach to M/TPOs

• Spring 2016: Briefed M/TPOs on plan update process and held staff level coordination meetings
• Fall 2016: Met with M/TPO staffs to obtain feedback on projects submitted by D4 for plan
• Spring 2017: Reviewing D4 projects with M/TPOs in advance of FDOT Leadership executive workshop on plan in May 2017
Overview of D4 Projects Across Modes – SIS 2040 and 2045 MMUNPs

Total Number of Projects:
- 2040: 181
- 2045: 185

Total Project Costs (in millions):
- 2040: $17,251 (2010 dollars)
- 2045: $17,741 (2015 dollars)
D4 Needs to 2045 – Airports

Total of Three Airport Projects, $173 M

- All projects “Designated SIS”

Two Projects for Palm Beach International Airport (PBIA)

- Airside Connections – Runway 10R/28L Construction
- Terminal Connections - Concourse B Expansion

Awaiting master plan updates for PBIA and Fort Lauderdale/Hollywood International Airport for additional projects
2045 D4 Needs – Highways

Total of 41 Highway Projects, $5.4 B

- 39 projects “Designated SIS,” two projects “Potential SIS”

Projects in Palm Beach County

- I-95 Express Phase 4 (Linton Boulevard to Indiantown Road)
- US 27 Truck Lanes
- SR 80 - Arterial Managed Lanes, Intersection Modifications and SR 80 Bypass (Belle Glade)
- SIS TSM&O Network (US 27 and SR 80)
- SR 710 Widening (Northlake Boulevard to Palm Beach/Martin County Line)
- Various Interchange Improvements
- Multiple SIS highway connector modifications
Total of 33 Transit Projects as Network, $8.7 B
Total of 51 Rail Projects, $1.6 B

- One transit project “Designated SIS,” 32 transit projects “Potential SIS,”
- All rail projects “Designated SIS”

Projects in Palm Beach County

- Extension of Tri-Rail passenger service to Blue Heron Boulevard and to Jupiter
- New Tri-Rail stations and Boca Raton Intermodal Center
- Tri-Rail station/hub modifications
- Add passenger service and passenger terminals: PBIA/Tri-Rail, US 1, SR 7, Glades Road, SR 80, Okeechobee Boulevard
- Multiple grade separations on Florida East Coast Railway and South Florida Rail Corridor
Multiple FDOT District Rail Projects

- Add passenger service on Florida East Coast Railway and South Florida Rail Corridor
  - Tri-Rail Coastal Link (Miami to Jupiter)
  - Amtrak (Miami to Jacksonville)
- New rail line on US 27 in Miami-Dade, Broward and Palm Beach Counties as “Potential SIS”
Total of 57 Projects for Port Everglades, Port of Palm Beach, and Port of Fort Pierce, $1.9 B

16 Projects for Port of Palm Beach, $171 M

- Intermodal cargo transfer facility
- Slip redevelopment and enhancement
- Harbor and channel, cargo, cold storage, container yard, internal rail, and other improvements
Recap of D4 Projects Across Modes in SIS 2045 MMUNP

Total Number of Projects:
• 2045: 185

Total Project Costs (in millions):
• 2045: $17,741 (2015 dollars)
• January 2016 to February 2017: Development of SIS 2045 MMUNP

• March/April 2017: Outreach to M/TPOs and modal partners on D4 projects in SIS 2045 MMUNP

• May 2017: FDOT Leadership executive workshop on SIS 2045 MMUNP

• 2017: Development of SIS 2045 Cost Feasible Plan to begin
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SIS 2045 Multi-Modal Unfunded Needs Plan Update Website including link to other SIS resources including SIS Atlas:
www.fdot.gov/planning/systems/MMNP.shtm