Phase 3C – Project Update
City of Hollywood Commission Workshop

April 5, 2017
PRESENTATION OUTLINE

- Regional Express Lanes Network
- 95 Express Phases 1-3 Implementation Plan
- Advantages of Phase 3C Advancement
- Purpose/Benefits of Express Lanes
- 95 Express Phase 3C Project Overview
- 95 Express Phase 3C Schedule
SOUTH FLORIDA REGIONAL EXPRESS LANES NETWORK
95 EXPRESS PROGRAM

Length
- Phase 3 – 29 Miles (From Stirling Rd. to Linton Blvd.)

I-95 Express Corridor Status & Schedule
- Phase 1 – Open to traffic 2008
- Phase 2 – Open to traffic 2016
- Phase 3 – Segmented into multiple phases:
  - Phases A-1, A-2, B-1, B-2, and C are in various stages of completion
95 EXPRESS PHASE 3 IMPLEMENTATION PLAN

- Phase 3A-1 and 3A-2 under construction (South of Broward Blvd. to South of SW 10th St.)
- Phase 3B-1 – South of SW 10th St. to South of Glades Rd.
  - Under Procurement
  - Letting - April 2017
- Phase 3B-2 – South of Glades Rd. to Linton Blvd.
  - Ad - May 2018
  - Letting - March 2019
- Phase 3C – South of Stirling Road to South of Broward Blvd.
  - Ad - May 2017
  - Letting - March 2018
ADVANTAGES OF PHASE 3C PROJECT ADVANCEMENT

- Address NB Left Hand Merge near Griffin Road in ultimate condition
- Complete 2\textsuperscript{nd} NB and SB Express Lane, between Stirling Road and Broward Blvd.
- Direct Connect Ramps between 95 Express NB and SB and I-595 (West)
ADVANTAGES OF PHASE 3C PROJECT ADVANCEMENT

- New Exit/Entry access points for the express lanes system serving the Sheridan Street Interchange, in both the NB and SB directions

- Landscape Improvements (including mitigation to existing I-95/I-595 Interchange impacts/relocations)
NB LEFT HAND MERGE RETROFIT
NB LEFT HAND MERGE RETROFIT

PROPOSED I-95 NORTHBOUND
NB LEFT HAND MERGE RETROFIT

PROPOSED I-95 NORTHBOUND (2024, FOLLOWING 95 EXPRESS 3C)
PURPOSE / BENEFITS OF EXPRESS LANES

- Purpose of express lanes is to provide an alternative to congestion, and to serve long-distance trips
- Provide additional system capacity/throughput
- By-pass local service interchanges, minimizing mainline weave conflicts
EXPRESS LAKES

- Express Lanes priced to limit demand and maintain a minimum speed of 45 miles per hour, resulting in a more reliable travel time

- Express lanes can provide additional transit options such as express bus service and park and ride connectivity/multimodal connections
PHASE 3C PROJECT
OVERVIEW

- I-95 Project Limits - South of Stirling Road to South of Broward Blvd. (construction limits extend south of Hollywood Blvd. to accommodate southernmost Express Lane ingress/egress)
- I-595 Project Limits - East of SR 7 to East of I-95
- Major Improvements:
  - Addition of two express lanes (one in each direction) on I-95 from Stirling Rd. to Broward Blvd. (including Ramp Signaling)
  - Express Lanes ingress/egress North of Hollywood Blvd. and North of Stirling Rd.
  - Direct Connections between northbound and southbound 95 Express and I-595, to and from the west
  - Widen I-595 Median (one GP lane in each direction)
  - Improvements to I-95/SR 84 Interchange, including new WB SR 84 Bridge over I-95 and NB Ramp Bridge widening
  - Widen I-95 Bridges
    - Hollywood Blvd.
    - Johnson St.
    - C-10 Canal (SB)
    - Taft St. (SB)
    - Stirling Rd.
    - C-10 Spur Canal
    - Griffin Rd.
    - Dania Cutoff Canal
  - Potential Bid Alternative Bridge Widening
    - Sheridan St
RECOMMENDED PD&E ALTERNATIVE TYPICAL SECTION (95 EXPRESS PHASE 3)

- Converts Existing HOV Lanes to Tolled Express Lanes
- Adds One Additional Tolled Express Lane in Each Direction
- 3 General Purpose (GP) Lanes (Existing/Proposed) – I-595/SR 84 to Davie Blvd. and Commercial Blvd. to Congress Ave. Remainder has 4 GP Lanes
- Existing Auxiliary Lanes to Remain
- 8’ median applies at existing bridge constraints such as S. Fork New River
INGRESS / EGRESS POINTS

Entry Point from I-95 General Use Lanes to 95 Express Lanes
Exit Point from 95 Express Lanes to I-95 General Use Lanes
WB 595 Express Ingress (PM Peak)
EB 595 Express Egress (AM Peak)
595 Express Lanes
95 Express Lanes

95 Express Lanes Direct Connect Ramps Into & Out of the Broward Blvd. Park and Ride Lot/Tri-Rail Station

Direct Connect Ramps Between 595 Express/General Use Lanes (To/From the West) and the 95 Express Lanes
INGRESS / EGRESS POINTS

- Entry Point from I-95 General Use Lanes to 95 Express Lanes
- Exit Point from 95 Express Lanes to I-95 General Use Lanes
- WB 595 Express Ingress (PM Peak)
- EB 595 Express Egress (AM Peak)
- 595 Express Lanes
- 95 Express Lanes

95 Express Lanes Direct Connect Ramps Into & Out of the Broward Blvd. Park and Ride Lot/Tri-Rail Station

Direct Connect Ramps Between 595 Express/General Use Lanes (To/From the West) and the 95 Express Lanes
NOISE WALL ANALYSIS
NOISE WALL ANALYSIS
NOISE WALL ANALYSIS
NOISE WALL ANALYSIS
RAMP SIGNALING

- Operational Technique to Control the Rate of Traffic Entering an Expressway
- Improves the Flow of Traffic Entering the Mainline While Avoiding Lengthy Backups on the Entrance Ramps and Cross-Streets
- All Service Interchanges - Hallandale Beach Blvd. to Linton Blvd. (Phase 3 Implementation)
SR 84 EB BRIDGE TYPICAL SECTIONS

Eastbound SR 84 Over I-95
Existing Bridge Section

Eastbound SR 84 West of I-95
Proposed Walled Section

Eastbound SR 84 Over I-95
Proposed Bridge Section

Eastbound SR 84 East of I-95
Proposed Walled Section
LANDSCAPING

- Original I-95/I-595 landscaping placement was based on anticipated interchange flyover ramp improvements
  - To be maintained during construction by Contractor
  - Disturbed areas to be replaced in kind as requirement of construction contract

- Additional improvements at Interchanges and Cross-Streets including:
  - Hollywood Blvd.
  - Johnson St
  - Taft St.
  - Stirling Road
  - Griffin Road
EXISTING BRIDGE MAINTENANCE PAINTING

- Bridge Painting required for preservation of Steel Structures (approximately every 15-years)
- Consistent Paint Color to be used
  - Federal Color 15052 (Royal Blue)
Express Lane Incident Response Training

Nicole L. Forest, TSM&O Incident Management Program Manager

Regional Transportation Management Center (RTMC), Florida Department of Transportation, District Four
2300 W. Commercial Blvd.
Fort Lauderdale, FL 33309
(954) 847-2631
Nicole.Forest@dot.state.fl.us
95 EXPRESS PHASE 3C SCHEDULE

- Elected/Appointed Official Briefings
  - March-April 2017
- Procurement Advertisement
  - May 30, 2017
- Public Workshop
  - September 2017
- Contract Execution
  - May 1, 2018
- Begin Construction (Field)
  - Summer 2019
- End Construction
  - 2023/2024
Vanita Saini, PE, Project Manager
Florida Department of Transportation, District Four
3400 W. Commercial Blvd.
Fort Lauderdale, FL 33309
(954) 777-4468
Vanita.Saini@dot.state.fl.us
QUESTIONS