

SR 7 MULTIMODAL IMPROVEMENTS CORRIDOR STUDY

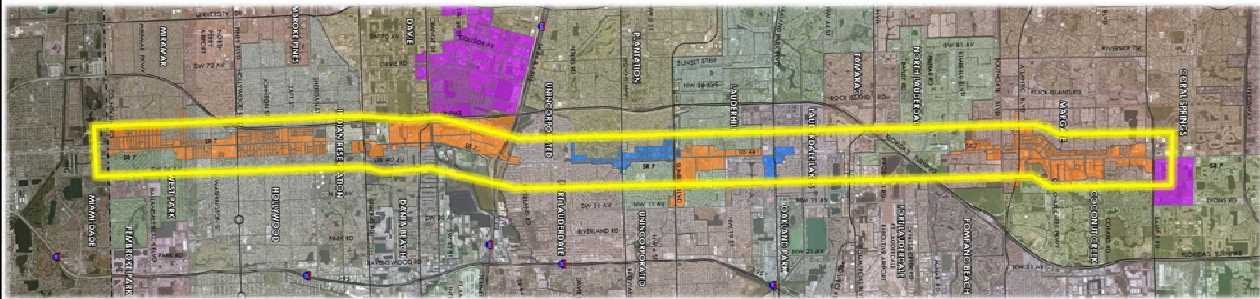
City of North Lauderdale



June 14, 2016

Study Area

- South of Miami-Dade County Line to North of Sample Road
- Approximately ½ mile on either side of SR 7 (or logical extents)
- Includes consideration of operations at Golden Glades Intermodal Center



2

Study Purpose

- Identify congestion management and safety improvements for all modes
- Enhance transit rider, bicyclist, and pedestrian experience
- Develop short-term multimodal improvements for implementation (<5 years)
- Identify longer-term improvements for project development
- Be consistent with National Environmental Protection Act (NEPA)

3

Project Advisory Committee



Broward MPO



Broward County Transit



Broward County
Traffic Engineering Department



FDOT District 4
(Various Offices)



Miami-Dade Transit



Miami-Dade MPO



South Florida Regional
Transportation Authority



South Florida Regional
Planning Council

4

Working Groups

- Grouped by geography (south, central, north)

South	Central	North
Dania Beach	Fort Lauderdale	Coconut Creek
Davie	Lauderdale Lakes	Coral Springs
Hollywood	Lauderhill	North Lauderdale
Miramar	Plantation	Margate
Pembroke Park	Tamarac	
Seminole Tribe	Broward County	
West Park		

- Three meetings to review:
 - Initiatives and needs
 - Preliminary recommendations
 - Draft final recommendations



5

Public Outreach Highlights

- Website: www.ImproveSR7.org
- Intercept Surveys at 'Hot-Spots'
 - ~1,150 Surveys completed

Intersection	City	# Surveys
Atlantic Blvd	Margate	28
Sample Rd	Margate, Coral Springs, Coconut Creek	28
Kimberly Blvd	North Lauderdale/Margate	71

- Presentations to Community Groups

Organization	City	Date
Broward College Student Life & Development	Coconut Creek	Jan. 21, 2016

- E-Town Hall Meeting
 - 20,000+ people received a call
 - 2,347 people accepted
 - At one point there were 451 people participating at once
 - A total of 346 people participated longer than 5 min
 - Average call time = 37.5 min
 - Event concluded with 181 people on the phone
 - 18 people participated via the website
 - 3 people participated at the designated listening location

6

Project Recommendations

- Corridor-wide improvements
- Short-term bike/pedestrian network connectivity projects
- Longer-term improvements at major intersections for project development

**Project recommendations were presented to PAC and Working Groups in late May; some projects updated to reflect feedback received during review.*



7

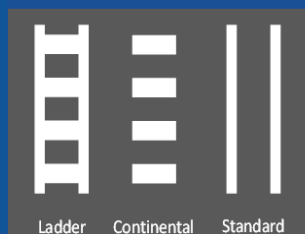
Corridor-Wide Improvements



Pedestrian
Countdown Signal

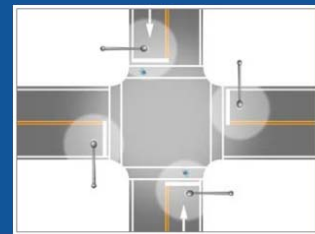


Right-Turn 'Yield
to Pedestrian'
Sign



Ladder Continental Standard

Enhanced Crosswalk
Markings



Enhanced Intersection
Lighting

8

Bike/Pedestrian Network Connectivity Improvements

- Evaluated bicycle and pedestrian network connectivity projects presented to PAC at March meeting through:
 - Field/Google Earth review
 - Engineering assessment for constructability and ROW constraints
 - LRE planning cost estimates
- Projects prioritization based on:

Project Benefit

- Existing conditions
- Demand potential (density, land use)
- Network connectivity
- Safety

Project Impacts

- ROW (minor)
- Infrastructure
- Community
- Cost

Bike Facility Improvements



#	City	On (From/To)	Description (Length)	Planning Cost Estimate	Rank
7	Fort Lauderdale, North Lauderdale	W Prospect Rd (from SR 7 to NW 31st Ave)	Eliminate 3 rd eastbound lane to NW 38 th Ave and widening pavement from NW 38 th to NW 31 st to provide bike lanes (1.00 MI)	\$2.1 M	18
12	Margate	SR 7 (from Seton Dr to NW 31 st St)	Provide 12' sidewalks (1.60 MI)	\$320,000	3
13	Margate	SR 7 (from Merrill Rd to Seton Dr)	Provide protected bike lane with landscaped buffer (0.40 MI)	\$600,000	3
14	Margate, Coconut Creek	Copans Rd (from SR 7 to Lyons Rd)	Widen pavement and reduce lane width (if possible) to provide bike lanes (1.00 MI)	\$2.6 M	8
16	North Lauderdale	Kimberly Blvd (from SW 81 st Ave to SR 7)	Road diet to provide bike lanes (2.10 MI); potential roundabout at SW 64 th	\$3.7 M	9
17	Margate	SW 11th St (from SR 7 to SW 49th Ter)	Widen pavement for bike lanes or sharrows and widen sidewalks (0.75 MI)	\$1.1 M	21
19	Margate	SR 7 at Cypress Creek Greenway/C-14 Canal	Mid-block crossing with pedestrian hybrid beacon for multi-use trail and wide sidewalks (0.10 MI)	\$150,000	1

Pedestrian Improvements

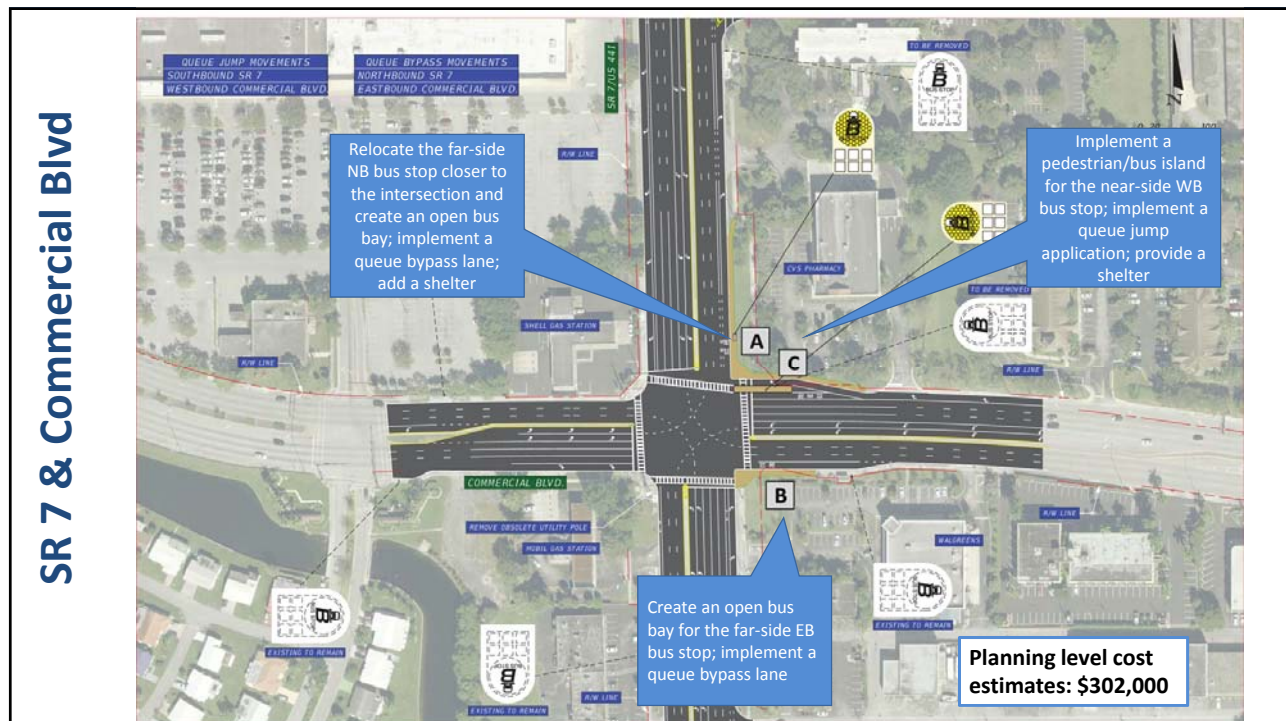


#	City	On (From/To)	Description (Length)	Planning Cost Estimate	Rank
19	Margate	SR 7 at Cypress Creek Greenway/C-14 Canal	Mid-block crossing for multi-use trail and wide sidewalks (0.10 MI)	\$150,000	1
25	Fort Lauderdale, North Lauderdale	W Prospect Rd (from SR 7 to NW 36th Ave)	Complete sidewalk along south side of road (0.25)	\$120,000	6

Major Intersection Project Recommendations

- Evaluated 15 major intersections along SR 7
- Recommendations developed based on existing conditions data, field review observations, engineering analysis and judgment, input from the PAC, and discussions with BCT and FDOT
- Abbreviated and full studies:
 - Abbreviated study: review of any existing plans, field visit, preliminary impact assessment, and preliminary recommendations
 - Full study: also includes detailed recommendations, engineering review of constructability, planning-level cost estimates, and VISSIM traffic analysis
 - Cost estimates include construction, contingency, design, and CEI

- Recommendations:
 - Upgrade existing pedestrian push buttons and associated signage
 - Remove obsolete utility pole from the southwest corner
 - Tighten all curb radii where feasible.
 - Curb radii with an open bus bay (northeast and southeast corners) were designed so right turning vehicles used the 2nd lane instead of the outside lane when merging into traffic.
 - Note this design will likely require a design variance from FDOT and right turning movements on red should be disallowed. However, based on FHWA's Designing for Pedestrian Safety, this design is encouraged.



Kimberly Blvd (Abbreviated Study)

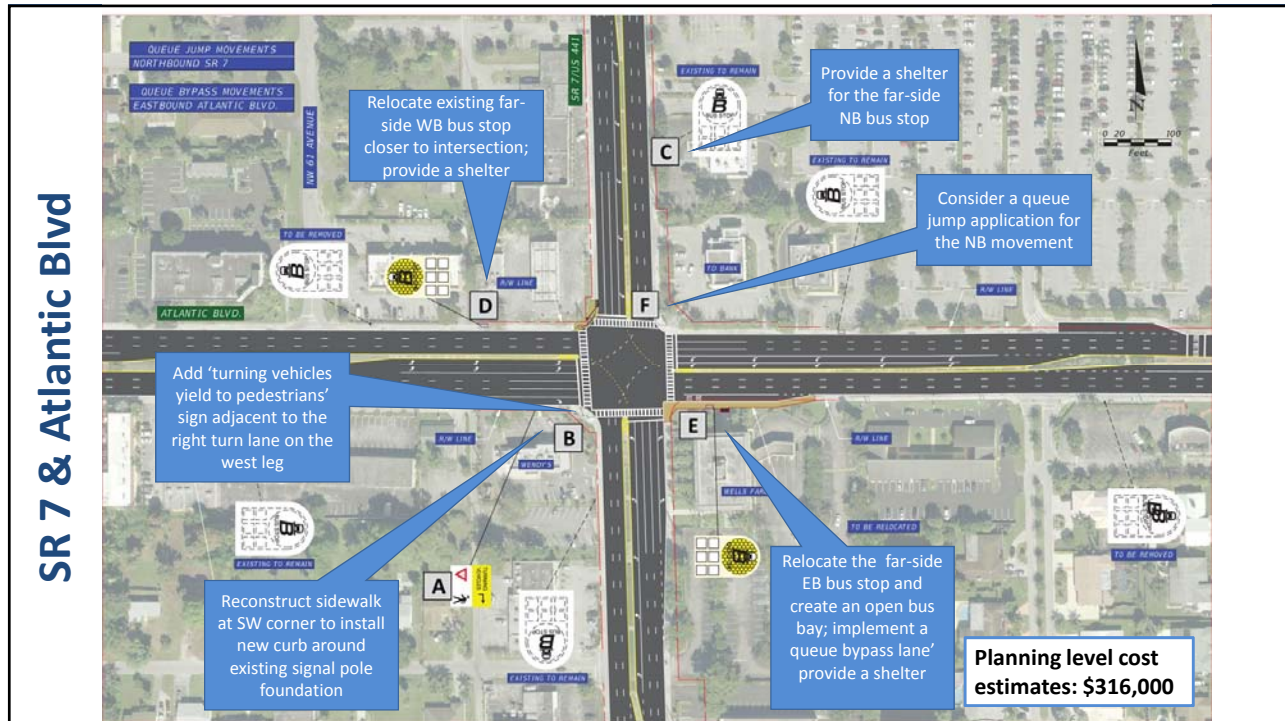
- Recommendations:
 - Upgrade existing pedestrian push buttons and associated signage
 - Upgrade all crosswalks to high-emphasis
 - Verify intersection lighting and replace missing light pole at the southwest corner
 - Fix damaged signal heads

15

Atlantic Blvd (Full Study)

- Recommendations:
 - Install shrubs or pedestrian fencing on the west leg median
 - Widen sidewalks wherever feasible in lieu of bike lanes
 - Verify intersection lighting (add light pole to southeast corner)
 - Split curb ramps where feasible
 - Tighten all curb radii where feasible
 - Curb radii with an open bus bay (southeast corner) were designed so right turning vehicles used the 2nd lane instead of the outside lane when merging into traffic.

16



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 metropolitan planning organization

Sample Rd/Turtle Creek Dr (Abbreviated Study)

- Recommendations:
 - Upgrade all crosswalks to high-emphasis
 - Relocate the existing far-side northbound bus stop closer to the intersection (to the beginning of the existing right turn lane)
 - Provide a shelter

18

Next Steps

- Finalize implementation plan and documentation
- City Commission Briefings May & June (see website for list of dates)
- Present Implementation Plan to Broward MPO TAC & CAC – June 22nd
- Present Implementation Plan to Broward MPO Board -- July 14th

**Note: FDOT Design Office now requires all non-state road projects to obtain support from their respective cities and/or County by requiring them to provide an Official Resolution to the Department before the project can be programmed for design.*

19

Questions

• Project Team Emails

- Roxana Ene, Broward MPO Project Manager: EneR@BrowardMPO.org
- Demian Miller, Tindale Oliver Project Manager: DMiller@TindaleOliver.com
- Laura Everitt, Tindale Oliver Project Manager: LEveritt@TindaleOliver.com

• Project Hotline: (954) 952-9055

(Between 9 – 5 weekdays, or leave a message)

• Project Website: www.ImproveSR7.org

20