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# SR 7 MULTIMODAL IMPROVEMENTS CORRIDOR STUDY

City of Plantation

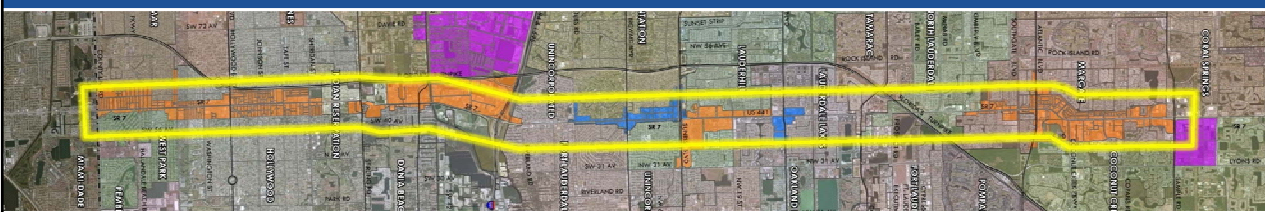


June 8, 2016

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## Study Area and Purpose

½ mile on either side of SR 7 Miami-Dade County Line to Sample Road



- 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)

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**Project Advisory Committee**

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**Broward County Transit**

**BROWARD.org**  
Our Best. Nothing Less.

**FDOT**  
FDOT District 4  
(Various Offices)

**MIAMI-DADE COUNTY TRANSIT**

**Miami-Dade MPO**

**RTA**  
SOUTH FLORIDA REGIONAL TRANSPORTATION AUTHORITY

**SERP**  
South Florida Regional Planning Council


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**Working Groups**

- Grouped by geography (south, central, north)
- Three meetings to review:
  - Initiatives and needs
  - Preliminary recommendations
  - Draft final recommendations

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		

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## Public Outreach Highlights

- Website: [www.ImproveSR7.org](http://www.ImproveSR7.org)
- Intercept Surveys at 'Hot-Spots'
  - ~1,150 Surveys completed

Intersection	City	# Surveys
Riverland Rd	Fort Lauderdale	73
Commercial Blvd	Tamarac	74
Lauderhill Mall	Lauderhill	82
Davie Blvd	Fort Lauderdale, Plantation, Broward County	83
Broward Blvd	Plantation	95
Oakland Park Blvd	Lauderdale Lakes	181

- 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

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## Public Outreach Highlights

- Presentations to Community Groups

Organization	City	Date
Broward Schools Facility Planning and Real Estate Development	Fort Lauderdale	Feb. 11, 2016
Ascension Peace Presbyterian Church	Lauderhill	Jan.13, 2016
Kiwanis Club	Lauderdale Lakes	Jan. 12, 2016
Broward Estates Civic Association	Lauderhill	Jan.12, 2016
Plantation Advisory Board Gateway Development Office	Plantation	Dec. 1, 2015
SR 7 Smart Growth Partnership Lunch and Learn	Fort Lauderdale	Nov. 24, 2015
Broward Estates Civic Association	Lauderhill	Sept. 8, 2015
Saint George Civic Association	Lauderhill	Sept. 8, 2015

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# 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.*



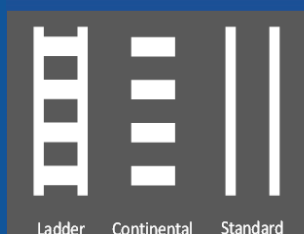
# Corridor-Wide Improvements



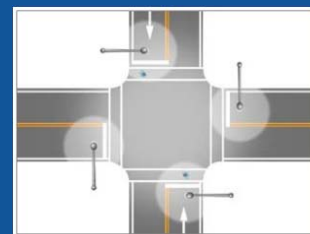
Pedestrian Countdown Signal




Right-Turn 'Yield to Pedestrian' Sign



Enhanced Crosswalk Markings



Enhanced Intersection Lighting



## 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

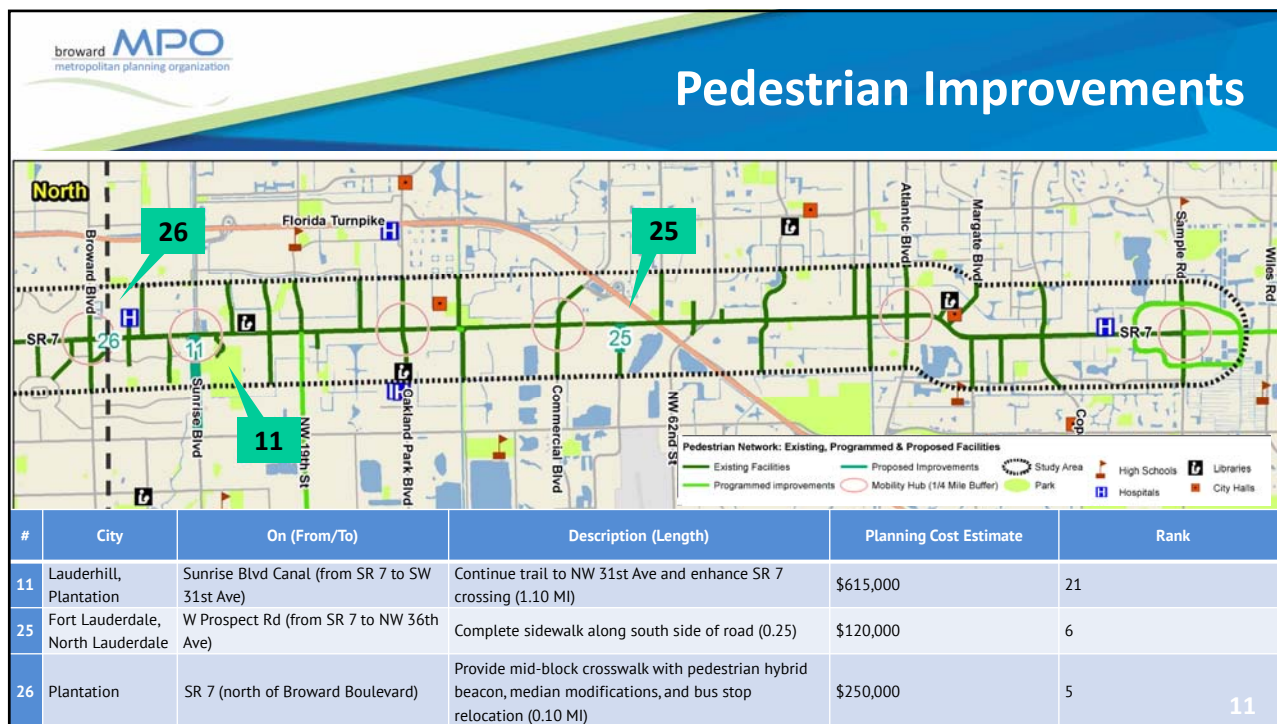
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## Bike Facility Improvements



#	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 <sup>rd</sup> eastbound lane to NW 38 <sup>th</sup> Ave and widening pavement from NW 38 <sup>th</sup> to NW 31 <sup>st</sup> to provide bike lanes (1.00 MI)	\$2.1 M	18
8	Lauderhill	NW 16th St (from NW 47th Ave to SR 7)	Widen pavement and reduce lane widths (if possible) to provide bike lanes (0.55 MI)	\$974,000	17
9	Lauderhill	NW 19th St (from NW 47th Ave to SR 7)	Widen pavement and reduce lane widths (if possible) to provide bike lanes (0.60 MI)	\$1.06 M	11
10	Lauderhill, Lauderdale Lakes	NW 26th St (from NW 49th Ave to SR 7)	Widen pavement and reduce lane widths (if possible) to provide bike lanes (0.87 MI)	\$1.4 M	11
11	Lauderhill, Planation	Sunrise Blvd Canal (from SR 7 to SW 31st Ave)	Continue trail to NW 31st Ave and enhance SR 7 crossing (1.10 MI)	\$615,000	21



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## 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

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## Riverland Rd (Abbreviated Study)

- Recommendations:
  - Upgrade all crosswalks to high-emphasis
  - Verify intersection lighting and replace missing light pole from the northeast corner
  - Tighten up curb radius at the northwest corner

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## Davie Boulevard (Full Study)

- Recommendations:
  - Upgrade existing pedestrian push buttons and associated signage
  - Fix damaged signal heads
  - Include a shelter for all existing bus stops
  - Widen sidewalks along Davie Boulevard west of SR 7 wherever possible in lieu of bike lanes
  - Tighten all curb radii where feasible.
    - Curb radii with an open bus bay (northeast and southwest 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.

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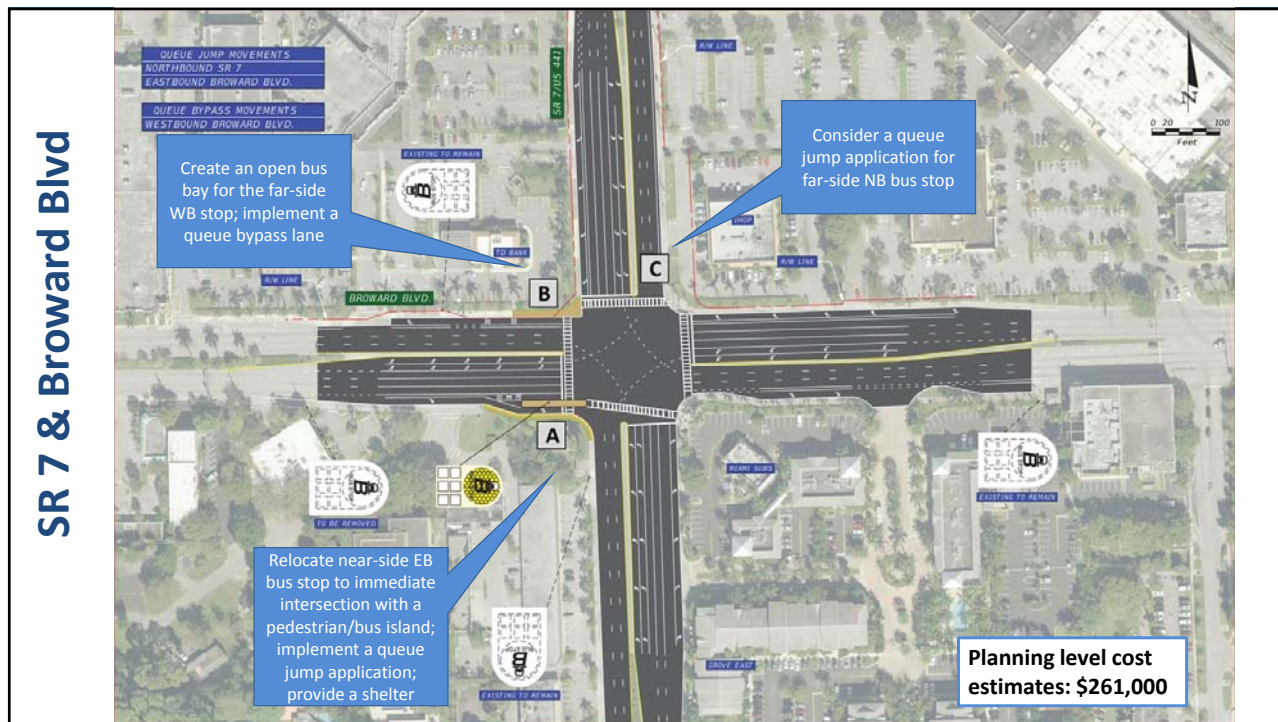
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## Broward Boulevard (Full Study)

- Recommendations:
  - Upgrade existing pedestrian push buttons and associated signage
  - Upgrade all crosswalks to high-emphasis
  - Tighten all curb radii where feasible.
    - Curb radii with an open bus bay (northwest corner) was designed so right turning vehicles used the 2nd lane instead of the outside lane when merging into traffic.

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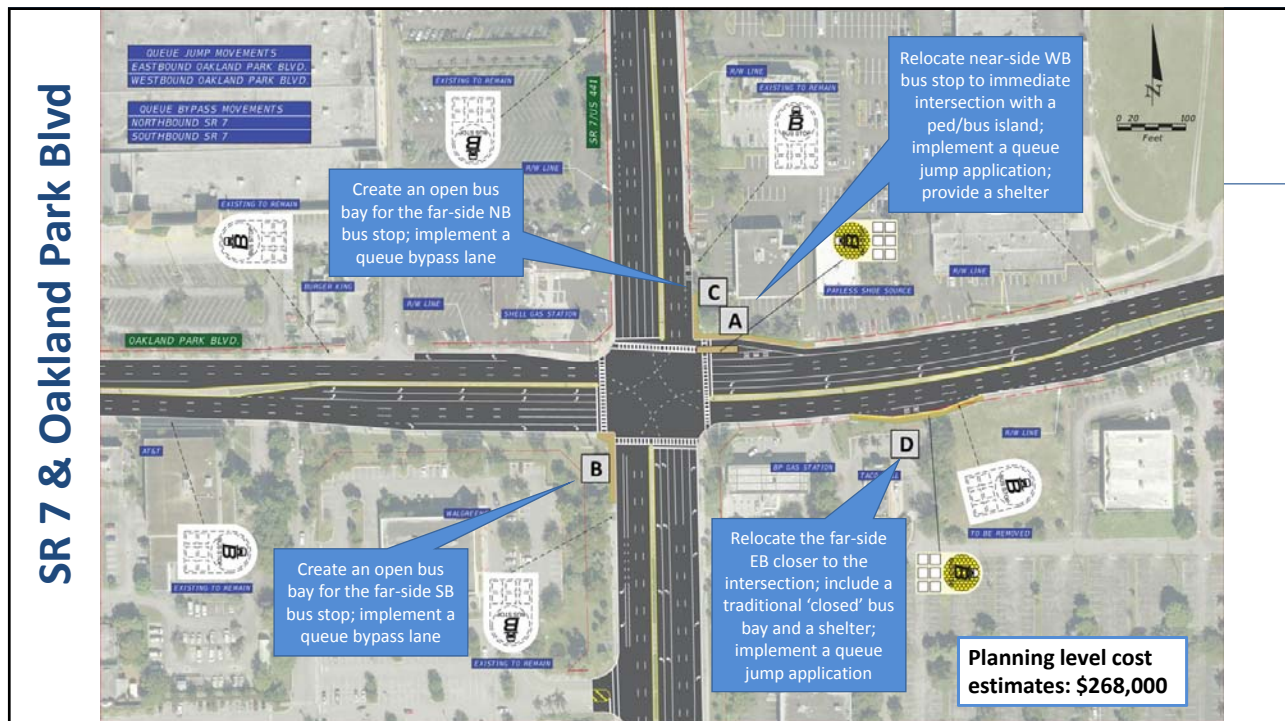
## Lauderhill Mall Area (Abbreviated Study)

- Includes the intersections of NW 16th St/SR 7 and NW 12th St/SR 7
- Recommendations:
  - Upgrade existing pedestrian push buttons and associated signage
  - Upgrade all crosswalks to high-emphasis
  - Relocate existing northbound bus stop across from the programmed transit transfer center


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# Oakland Park Boulevard (Full Study)

- Recommendations:
  - Upgrade existing pedestrian push buttons and associated signage
  - Upgrade all crosswalks to high-emphasis markings
  - Verify intersection lighting (light pole at the northeast corner is missing the luminaire)
  - Widen sidewalks wherever feasible in lieu of bike lanes
  - Tighten all curb radii where feasible.
    - Curb radii with an open bus bay (northeast and southwest corners) were designed so right turning vehicles used the 2nd lane instead of the outside lane when merging into traffic.







## 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 22<sup>nd</sup>
- Present Implementation Plan to Broward MPO Board – July 14<sup>th</sup>

*\*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.*

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## Questions

- **Project Team Emails**
  - Roxana Ene, Broward MPO Project Manager: [EneR@BrowardMPO.org](mailto:EneR@BrowardMPO.org)
  - Demian Miller, Tindale Oliver Project Manager: [DMiller@TindaleOliver.com](mailto:DMiller@TindaleOliver.com)
  - Laura Everitt, Tindale Oliver Project Manager: [LEveritt@TindaleOliver.com](mailto:LEveritt@TindaleOliver.com)
  - Odalys Delgado, HNTB Project Manager: [Odelgado@HNTB.com](mailto:Odelgado@HNTB.com)
- **Project Hotline:** (954) 952-9055  
(Between 9 – 5 weekdays, or leave a message)
- **Project Website:** [www.ImproveSR7.org](http://www.ImproveSR7.org)

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