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# SR 7 MULTIMODAL IMPROVEMENTS CORRIDOR STUDY

North Working Group

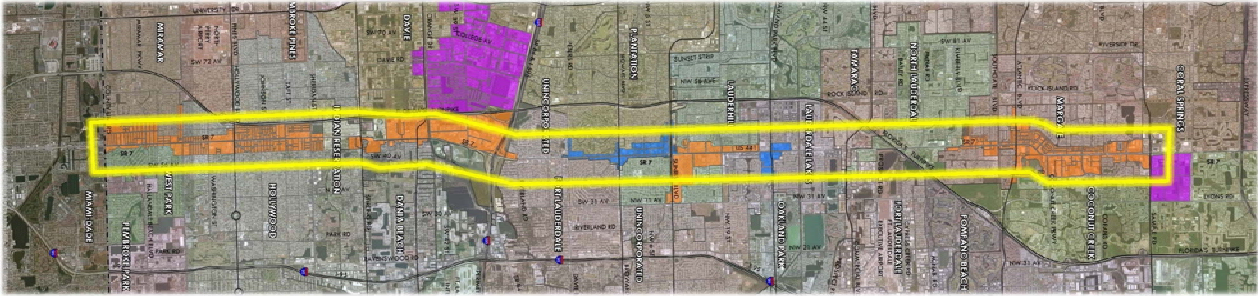


May 24 , 2016


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## 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



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## 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)


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## Project Advisory Committee

 <p>Broward MPO</p>	 <p>Broward County Transit</p>	 <p>Broward County Traffic Engineering Department</p>	 <p>FDOT District 4 (Various Offices)</p>
 <p>Miami-Dade Transit</p>	 <p>Miami-Dade MPO</p>	 <p>South Florida Regional Transportation Authority</p>	 <p>South Florida Regional Planning Council</p>


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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
- Presentations to Community Groups
- 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

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

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

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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

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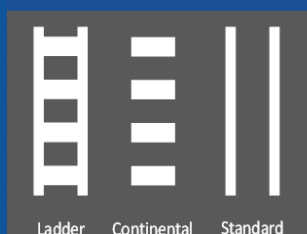
## Corridor-Wide Improvements



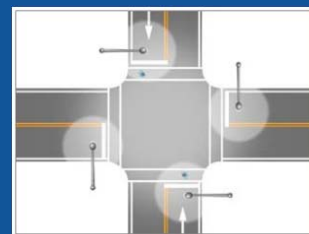
Pedestrian  
Countdown Signal



Right-Turn 'Yield  
to Pedestrian'  
Sign




Enhanced Crosswalk  
Markings



Enhanced Intersection  
Lighting


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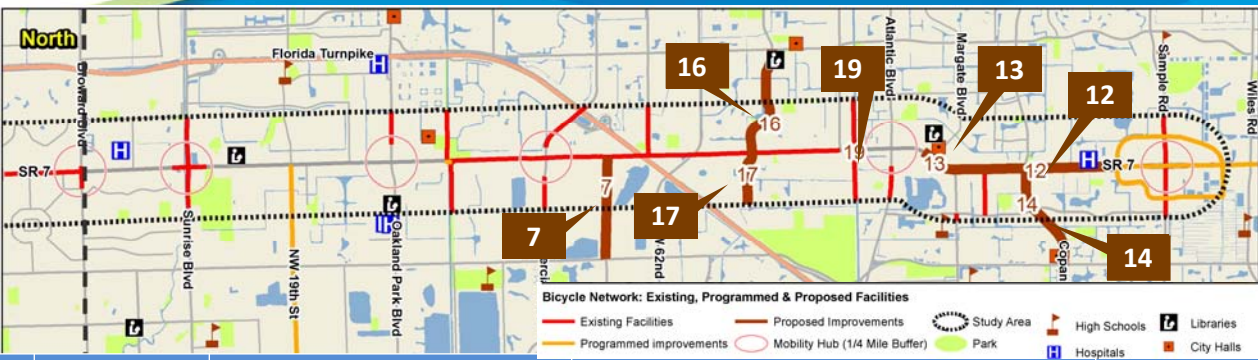
## Bike/Pedestrian Network Connectivity Improvements

- Identified gaps in the existing plus programmed bicycle and pedestrian network on collector and arterial streets
- Recommend sidewalk and bike lane projects with:
  - Limited or no right-of-way impacts
  - Few constructability issues (e.g. drainage, trees, utilities)
- Projects may extend beyond study corridor

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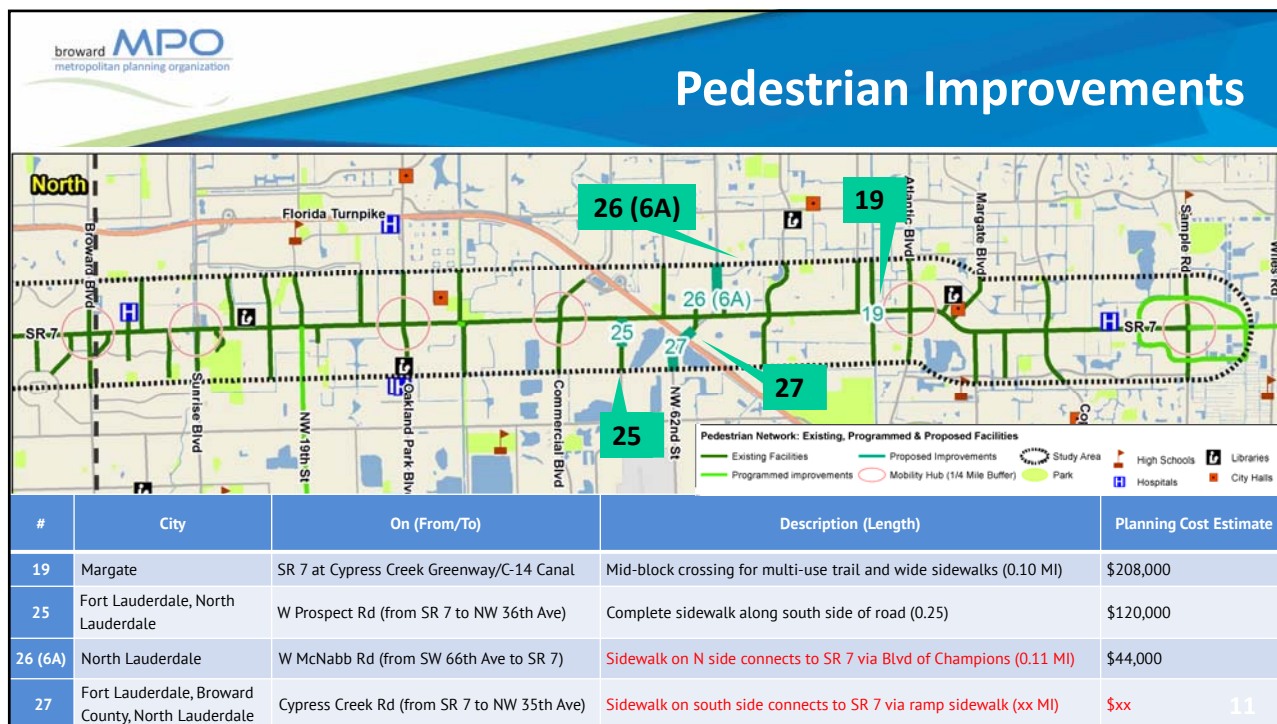
## Bike Facility Improvements



#	City	On (From/To)	Description (Length)	Planning Cost Estimate
7	Fort Lauderdale, North Lauderdale	W Prospect Rd (from SR 7 to NW 31st Ave)	Widen pavement to provide bike lanes (1.00 MI)	\$2.1 M
12	Margate	SR 7 (from Seton Dr to NW 31st St)	Provide 8-10' sidewalks (1.60 MI)	\$320,000
13	Margate	SR 7 (from Merrill Rd to Seton Dr)	Provide 15' shared use path (.40 MI)	\$200,000
14	Margate, Coconut Creek	Copans Rd (from SR 7 to Lyons Rd)	Widen pavement to provide bike lanes (1.00 MI)	\$2.6 M
16	North Lauderdale	Kimberly Blvd (from Rock Island Rd to SR 7)	Widen pavement to provide bike lanes (1.10 MI)	\$2.4 M
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
19	Margate	SR 7 at Cypress Creek Greenway/C-14 Canal	Mid-block crossing for multi-use trail and wide sidewalks (0.10 MI)	\$208,000

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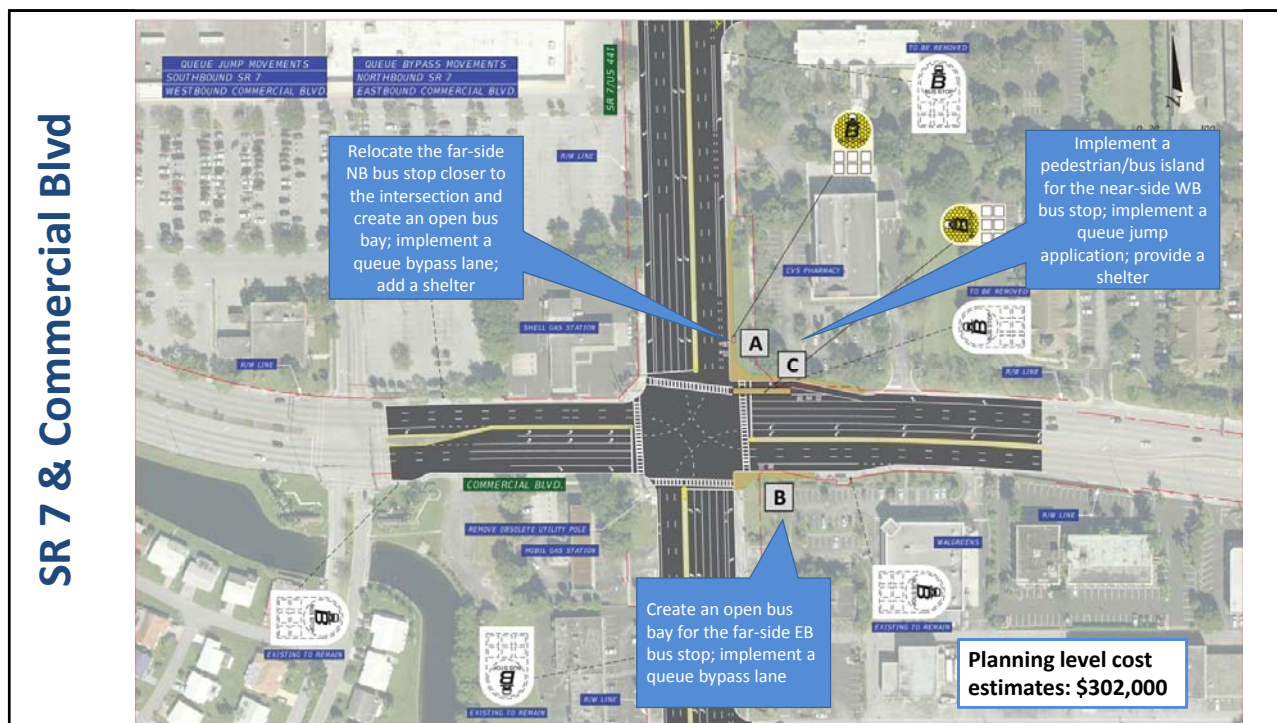
## Major Intersection Project Recommendations

- 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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## Commercial Blvd (Full Study)

- 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.



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## 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

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## 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.

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## Next Steps

- Finalize implementation plan and documentation
- City Commission Briefings May & June (see website for list of dates)
- Present Implementation Plan to Broward MPO TCC & CIR – June 22<sup>nd</sup>
- Present Implementation Plan to Broward MPO Board -- July 7<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)
- **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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