




**SR 7 MULTIMODAL IMPROVEMENTS
CORRIDOR STUDY**
Project Advisory Committee (DRAFT)



May 20 , 2016



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

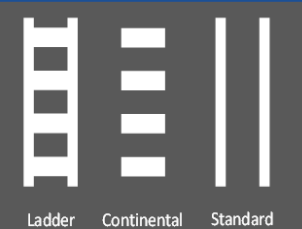
- Corridor-wide improvements discussed at previous PAC meetings



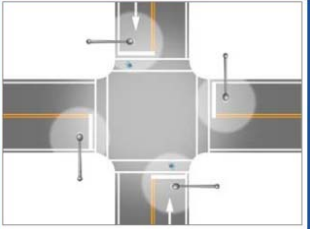
Pedestrian
Countdown Signal



Right-Turn 'Yield
to Pedestrian'
Sign



Enhanced Crosswalk
Markings



Enhanced Intersection
Lighting

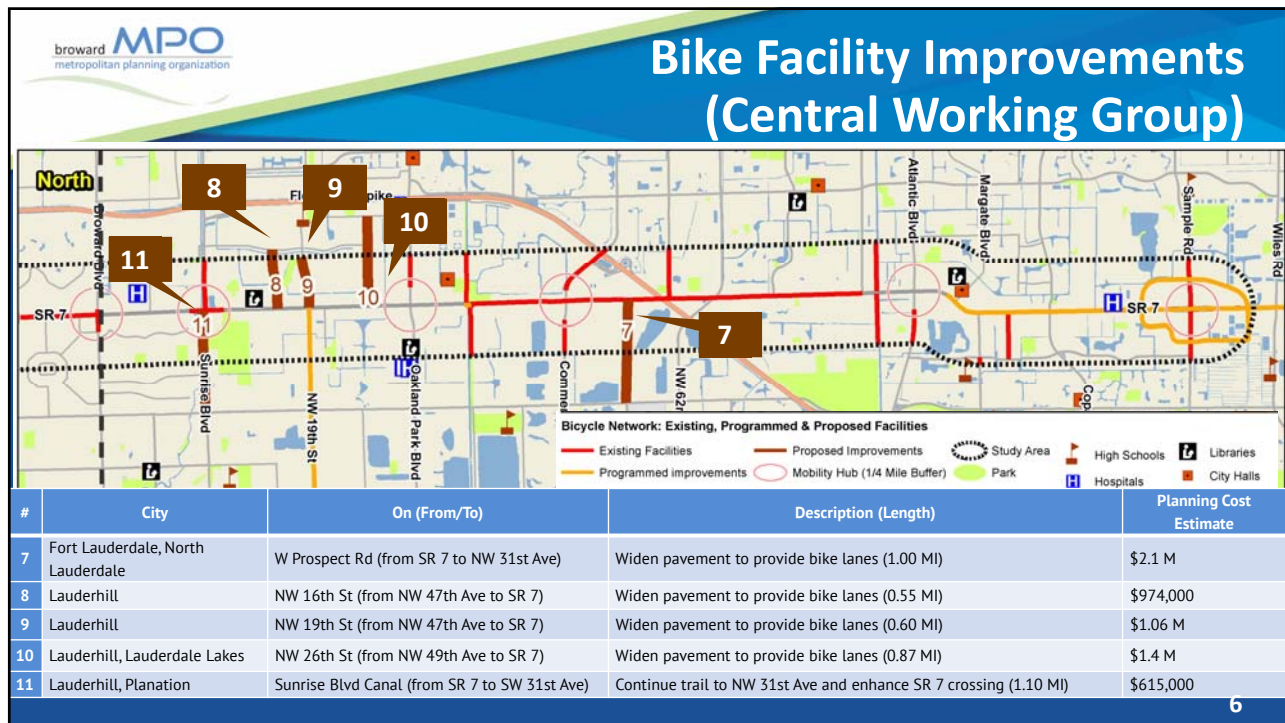
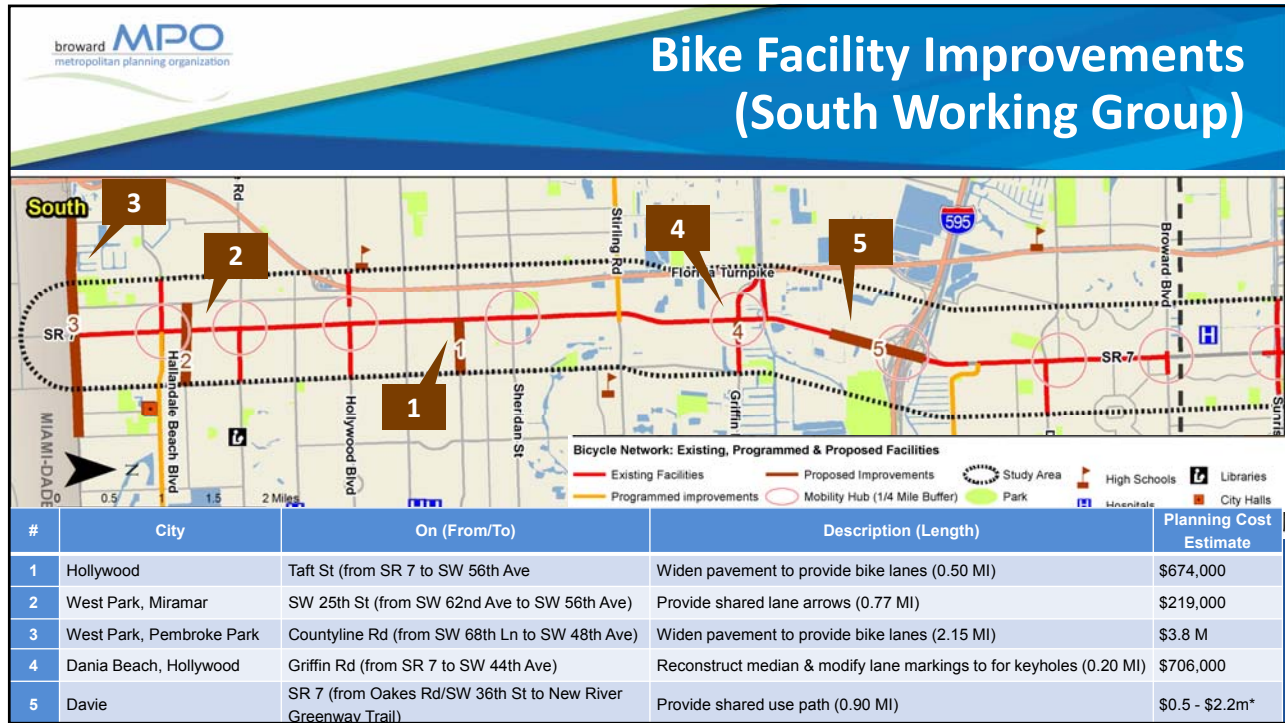
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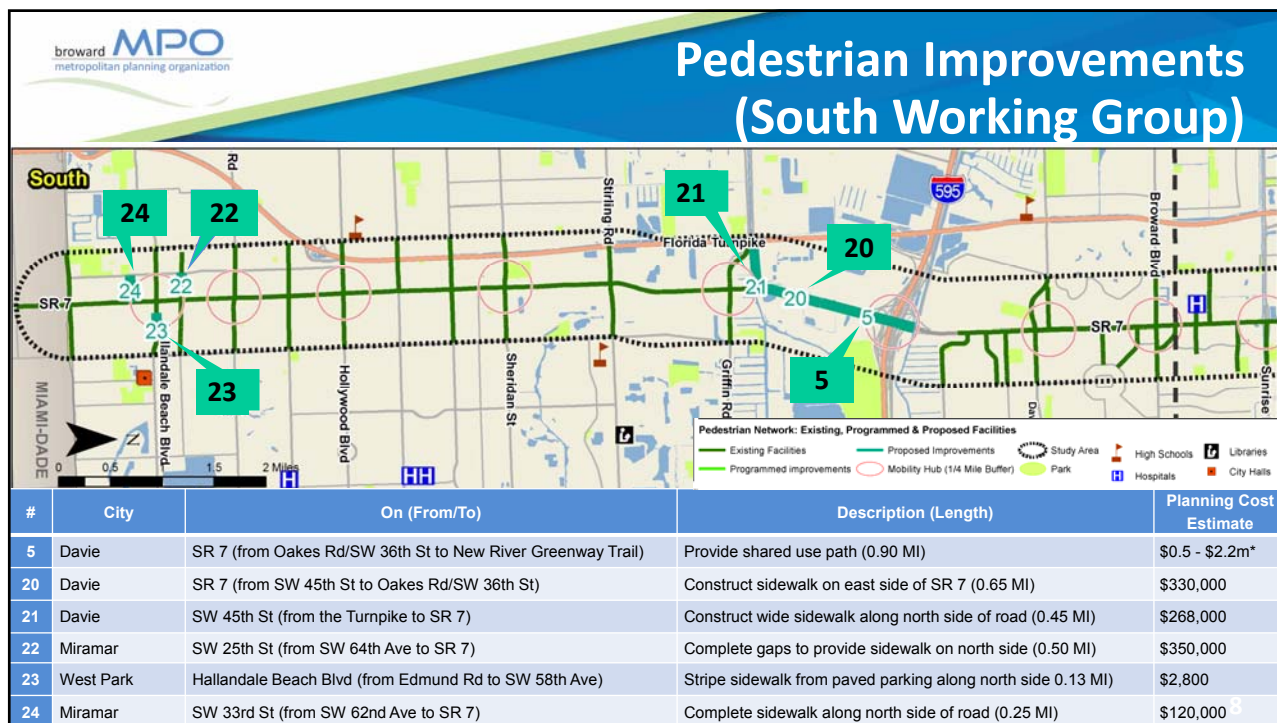
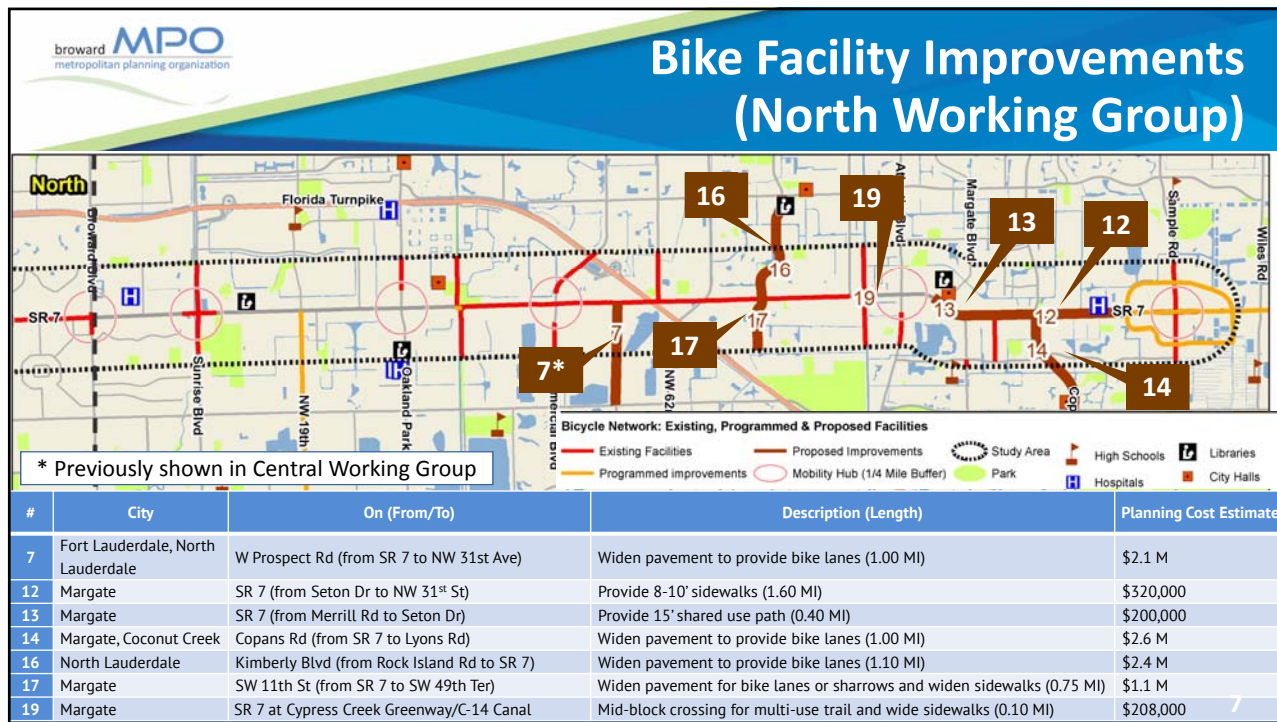
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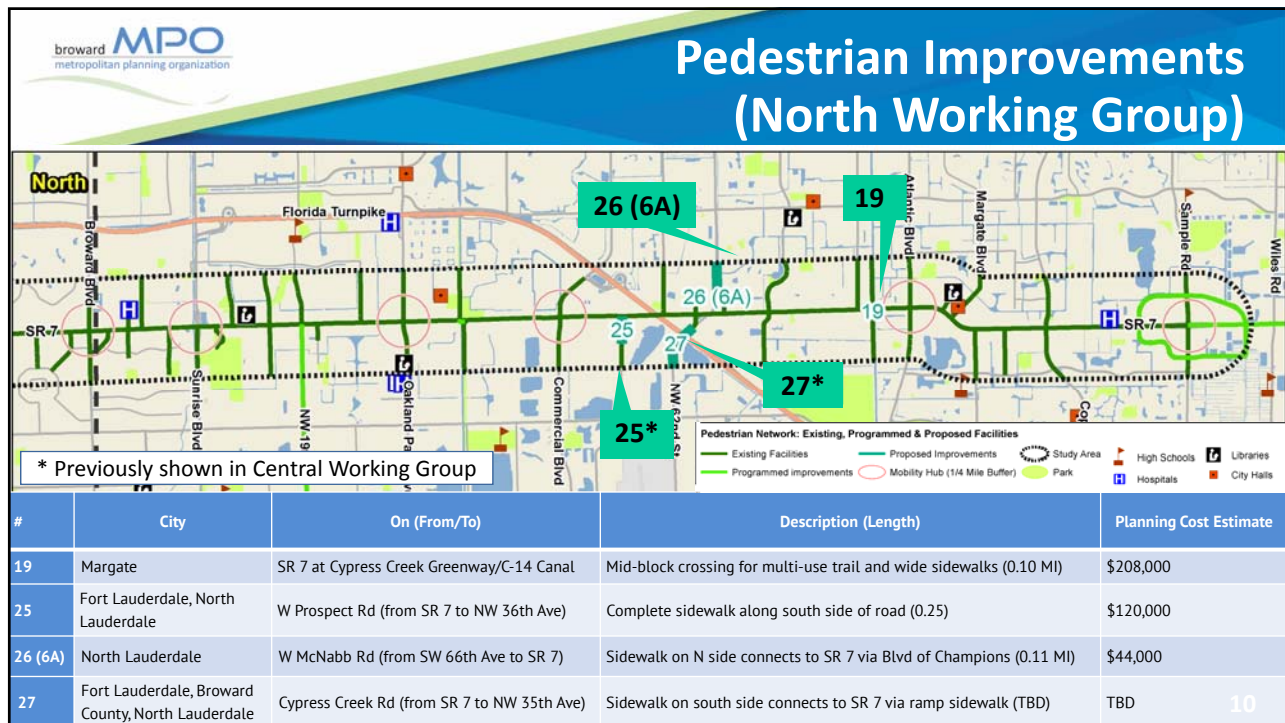
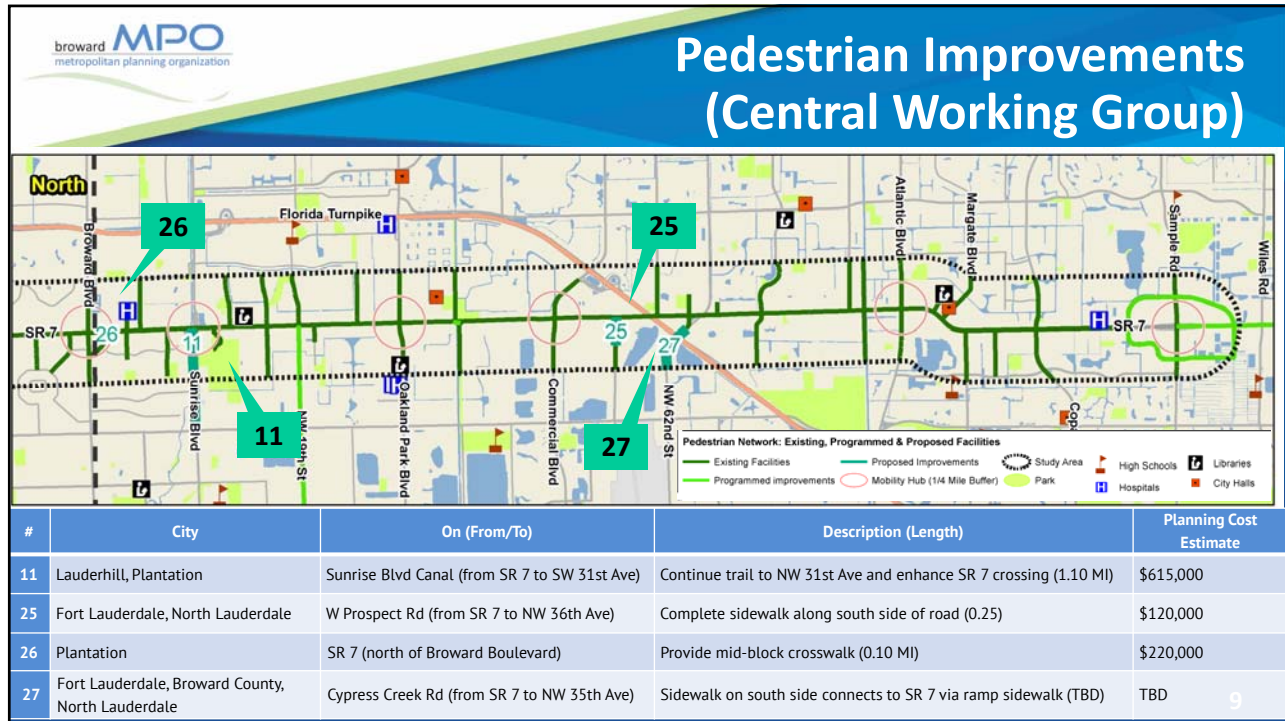
Bike/Pedestrian Network Connectivity Improvements

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

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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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Miramar Parkway/Hallandale Beach Blvd (Full Study)

- Recommendations:
 - Upgrade existing pedestrian push buttons and associated signage
 - Tighten all curb radii where feasible.
 - Curb radii with an open bus bay (northeast, southeast, and southwest corners) were designed so right turning vehicles used the 2nd lane instead of the outside lane when merging into traffic.
 - 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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Pembroke Rd (Abbreviated Study)


- Recommendations focus on improving pedestrian amenities
- Recommendations:
 - Upgrade existing pedestrian push buttons and associated signage
 - Upgrade all crosswalks to high-emphasis
 - Relocate curb ramp at southwest corner
 - Tighten radius at all corners – the southeast and northwest corners are top priority
 - Construct a sidewalk on the west side of SR 7 north of Pembroke Rd
 - Complete sidewalk network on west side of SR-7 south of Pembroke Rd
 - Create an open bus bay for the existing far-side northbound bus stop; implement a queue bypass lane; provide a shelter
 - Relocate far-side southbound bus stop closer to the intersection; provide a shelter

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 **Hollywood Blvd
(Abbreviated Study)**

- Recommendations compliment Mobility Hub Analysis Report to improve pedestrian safety and better facilitate efficient transfers
- Recommendations:
 - Upgrade existing pedestrian push buttons and associated signage
 - Upgrade all crosswalks to high-emphasis
 - Consider implementing a queue jump treatment for the northbound and southbound directions, considering that bus bays are programmed as a part of the road widening project

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 **Johnson St
(Abbreviated Study)**

- Recommendations focus on improving pedestrian amenities
- Recommendations:
 - Upgrade existing pedestrian push buttons and associated signage
 - Upgrade all crosswalks to high-emphasis
 - Relocate the existing far-side northbound bus stop closer to the intersection; provide a shelter
 - Relocate the existing far-side westbound bus stop closer to the intersection; provide a shelter

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Sheridan St (Abbreviated Study)


- Recommendations focus on improving pedestrian amenities/safety
- Recommendations:
 - Upgrade all crosswalks to high-emphasis
 - Verify intersection lighting
 - Provide a shelter for the existing far-side northbound bus stop
 - Relocate the existing far-side eastbound bus stop closer to the intersection and create an open bus bay; implement a queue bypass lane; provide a shelter
 - Consider moving the existing far-side westbound bus stop closer to the intersection

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Stirling Rd (Abbreviated Study)

- Recommendations focus on improving pedestrian amenities/safety
- Recommendations:
 - Upgrade all crosswalks to high-emphasis
 - Consider providing a shelter for all of the existing bus stops
 - Relocate the existing far-side northbound and southbound bus stops closer to the intersection
 - Will require coordination with the Seminole Indian Tribe


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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

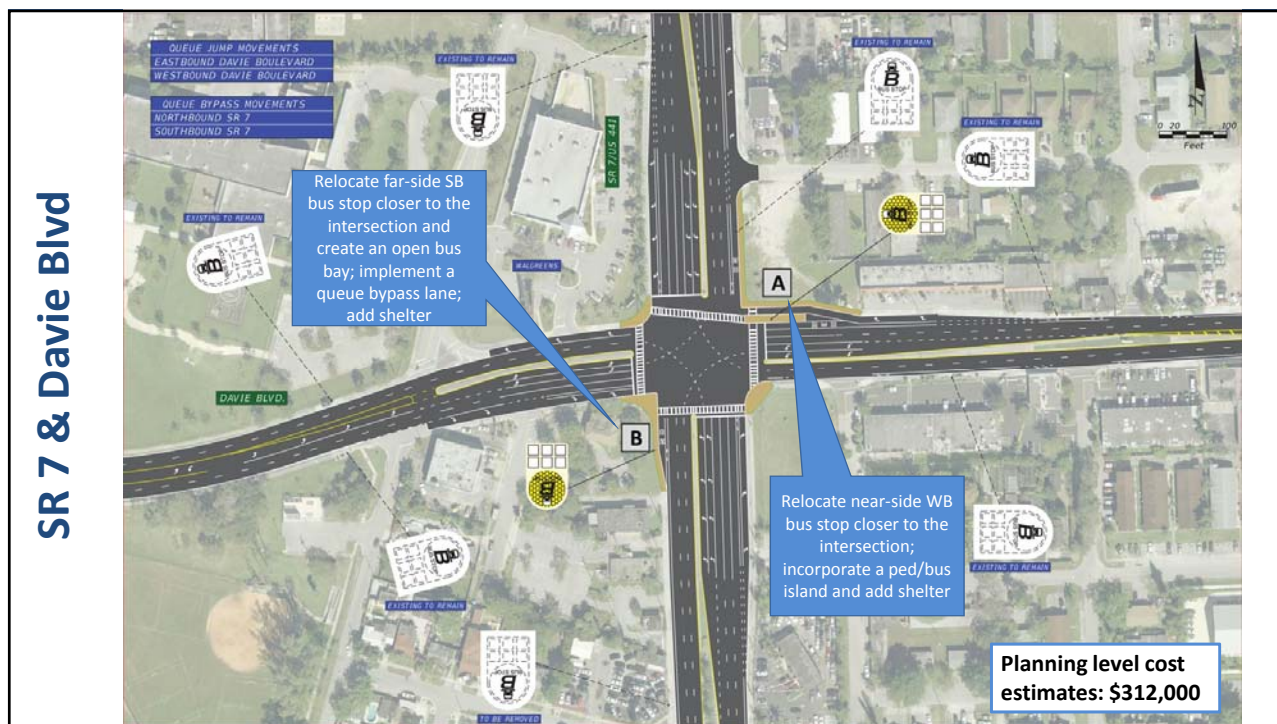
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Davie Boulevard (Full Study)

- Recommendations:
 - Upgrade existing pedestrian push buttons and associated signage
 - Fix damaged signal heads
 - 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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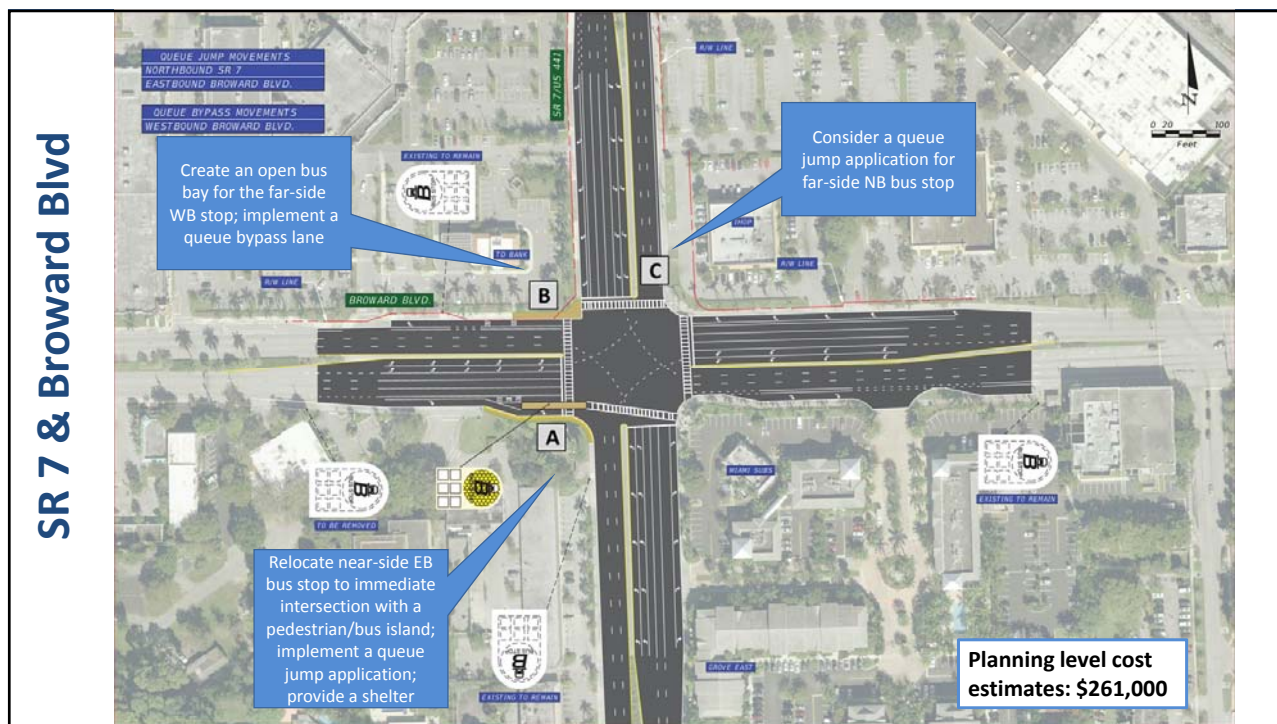


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Broward Boulevard (Full Study)

- 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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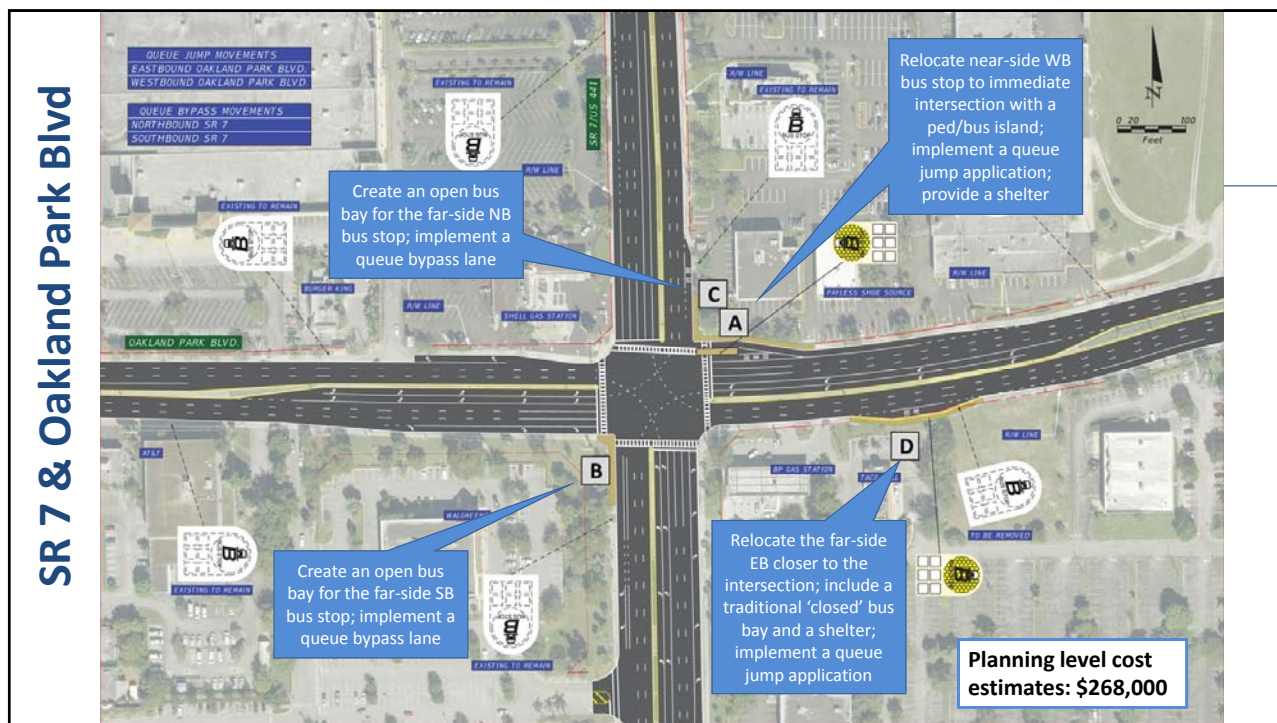
Lauderhill Mall Area (Abbreviated Study)

- 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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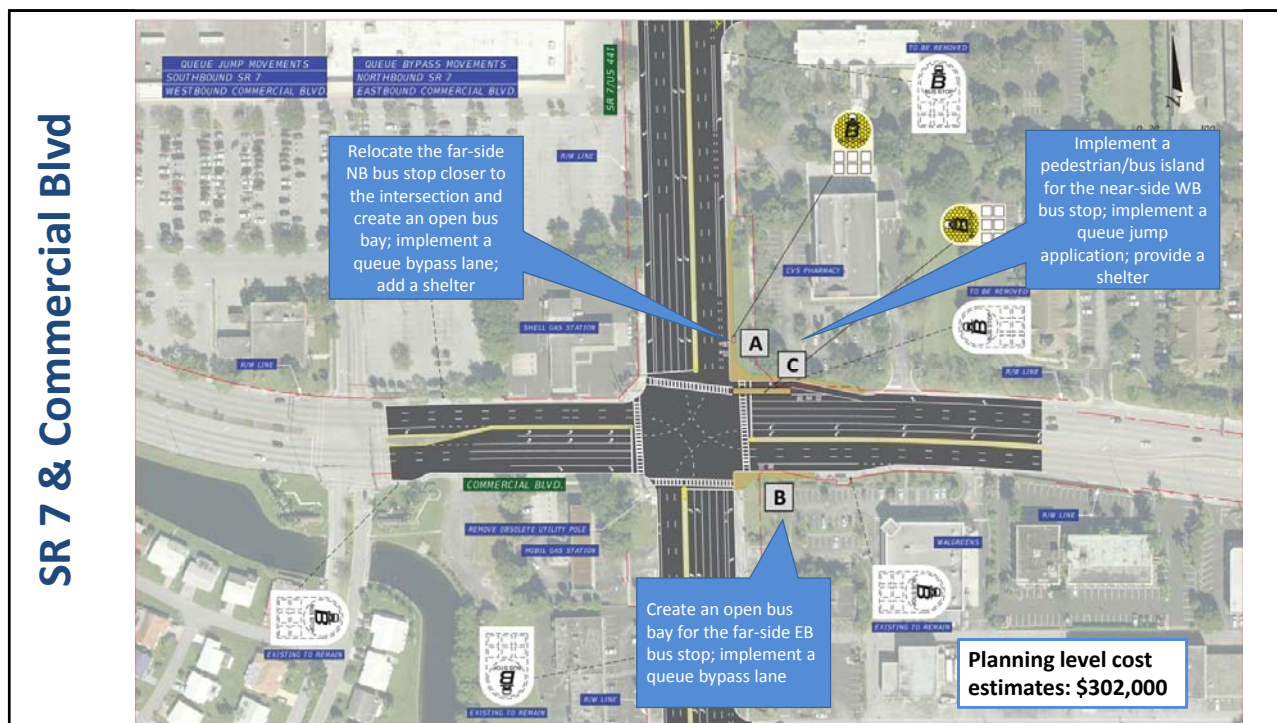
Oakland Park Boulevard (Full Study)

- 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.



Commercial Boulevard (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.



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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

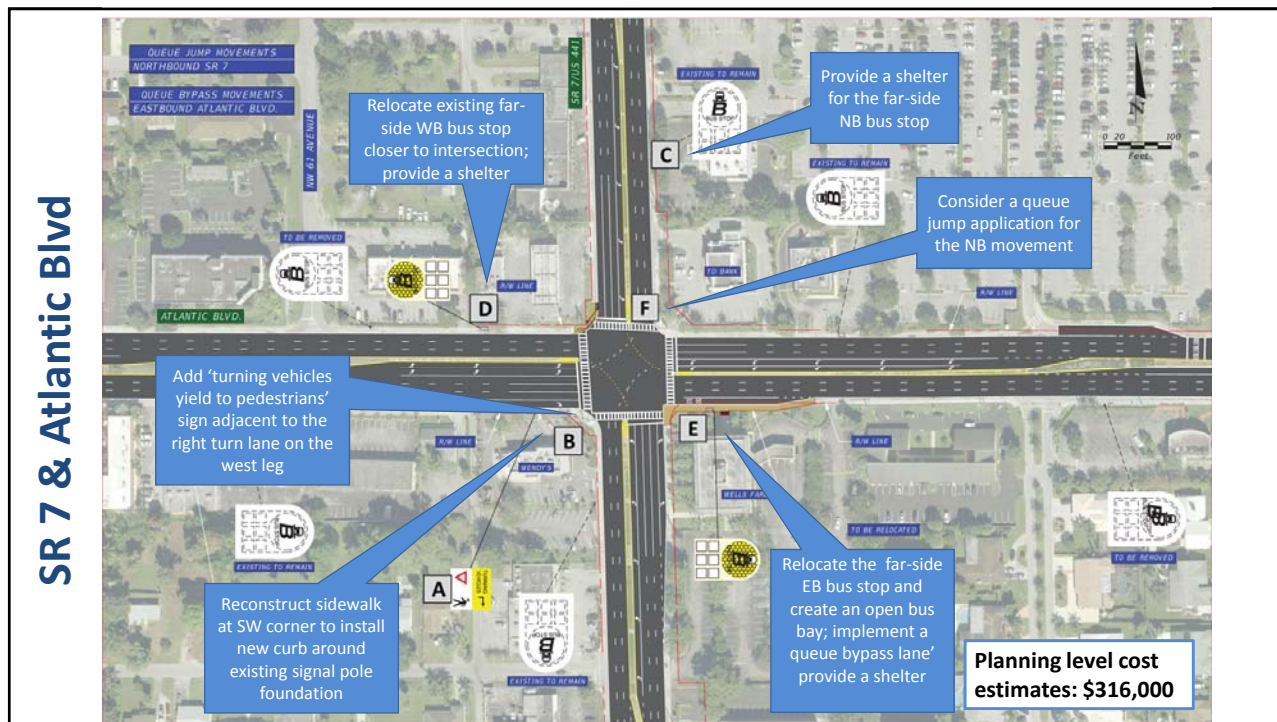
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Atlantic Blvd (Full Study)

- 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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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

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Next Steps

- Finalize implementation plan and documentation
- Final Working Group Meetings May 24th (North) & May 26th (Central, South)
- City Commission Briefings May & June (see website for list of dates)
- Present Implementation Plan to Broward MPO TCC & CIR – 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.*