

Mobility Hub at SW/SE

17TH ST

Project Development



Agenda

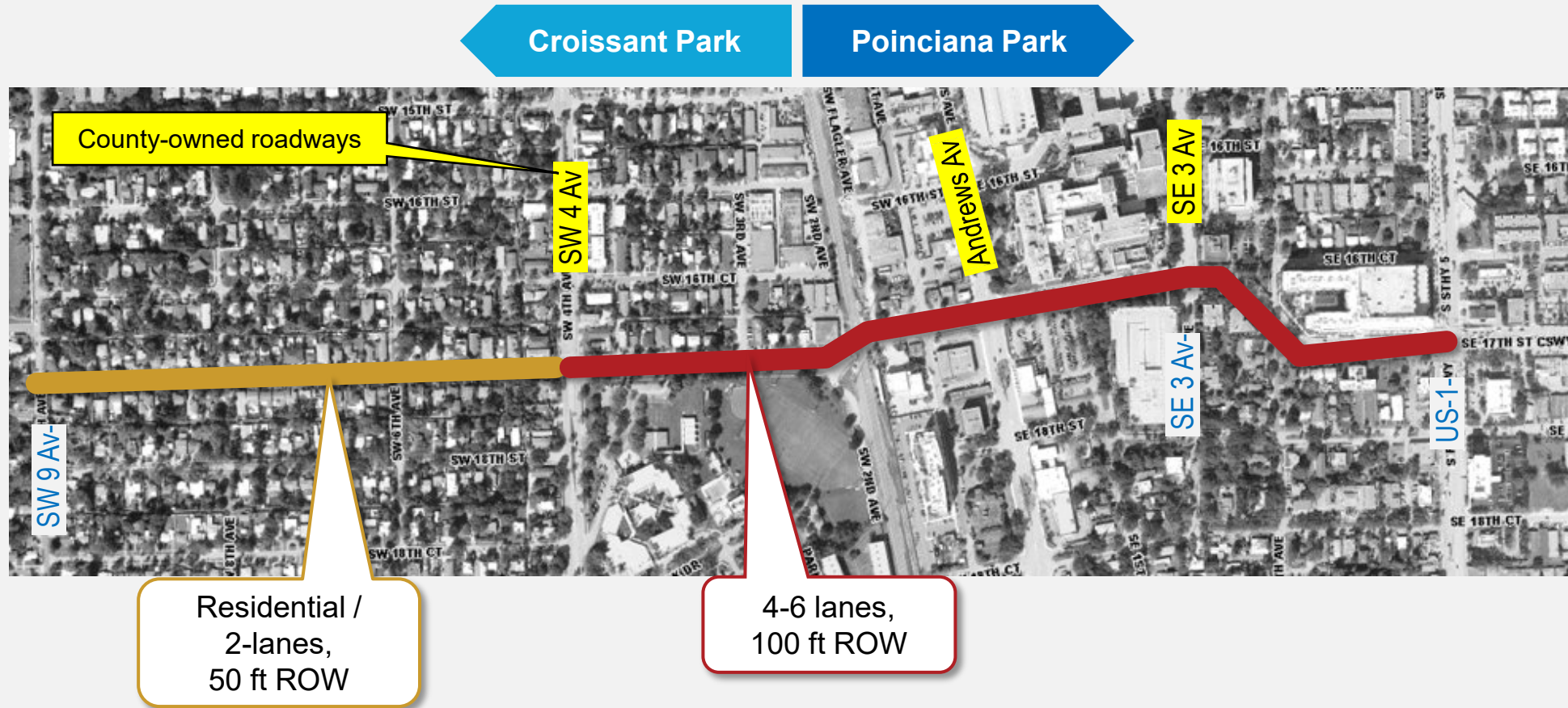
- Project Background
- Schedule
- Existing Conditions & City Objectives
- Next Steps

Meeting Goals:

- ✓ Introduce project to County Staff
- ✓ Discuss important project benchmarks and targets
- ✓ Share with County Staff the City's preferences
- ✓ Hear from County Staff: Existing conditions or projects
- ✓ Hear from County Staff: Path forward for County "approvals"



Project Background: Project Boundary



Project Background: 5 W's

Who:

- Broward MPO
- Kimley-Horn
- City of Fort Lauderdale
- Broward County
- FDOT

What:

- Approve a Locally Preferred Concept (15% Design)
- Complete Streets elements
- MTECC Bid Package

Where:

- 17th Street from SW 9 Av to US1

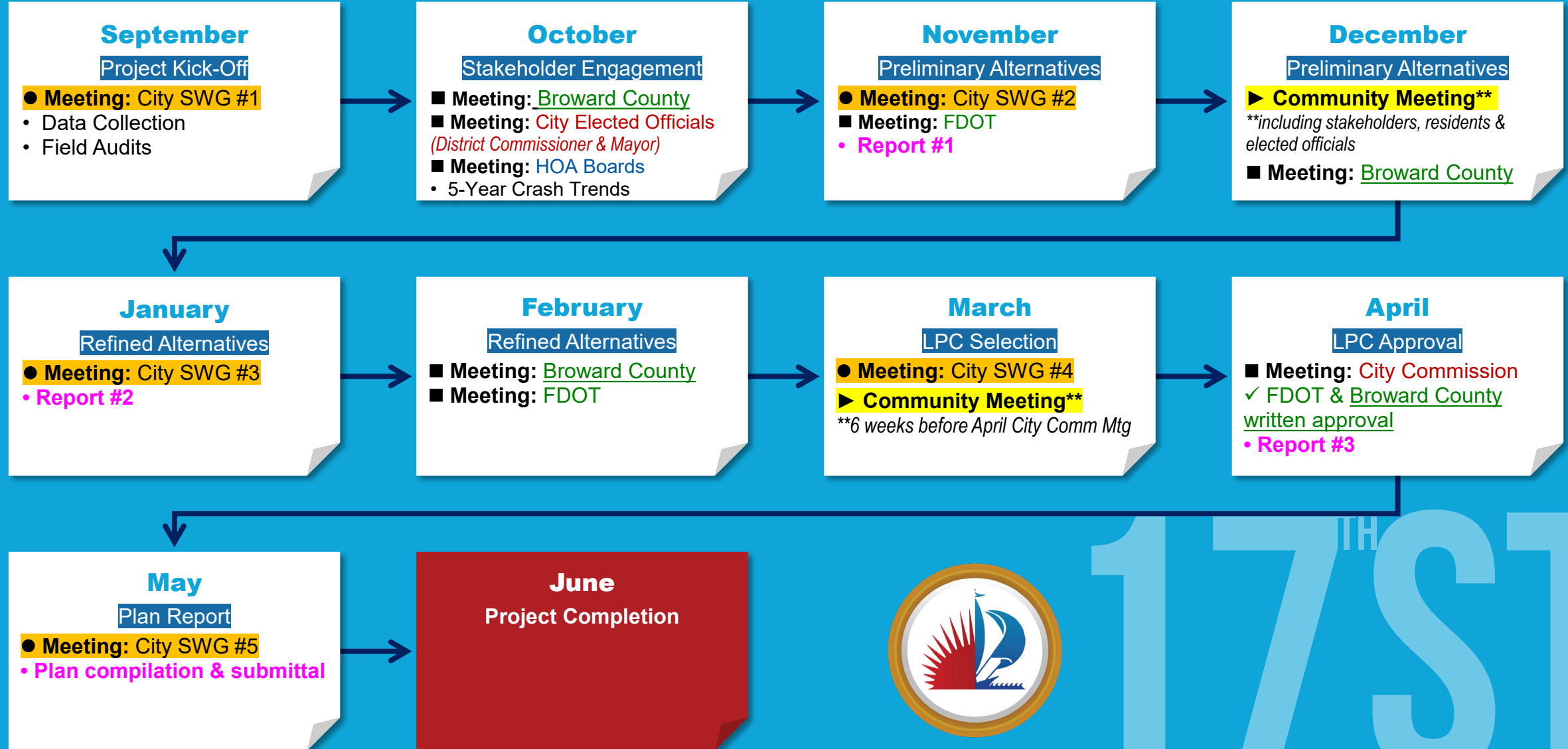
Why:

- TIP (FTA capital funds = \$6.8 million)
- Previous BMPO Studies: Complete Streets Master Plan; Walking Audit
- Previous City Studies: LauderTrail; Connecting the Blocks; Preliminary Lane Elimination Assessment

When:

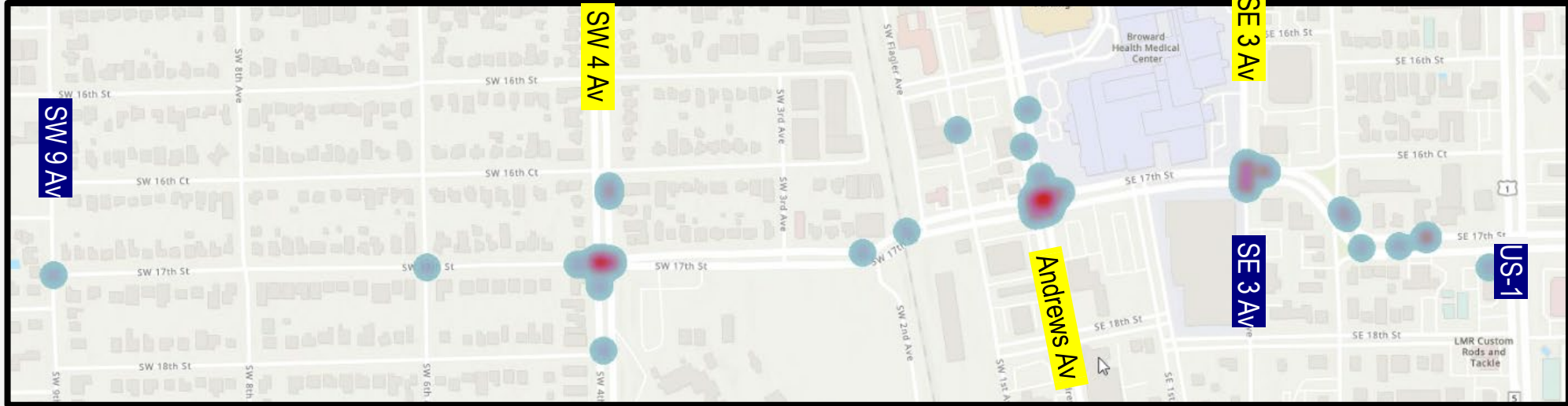
- LPC must be approved by City Commission by April 2024
- Design in 2024 / 2025
- Construction in 2026/2027

Project Schedule

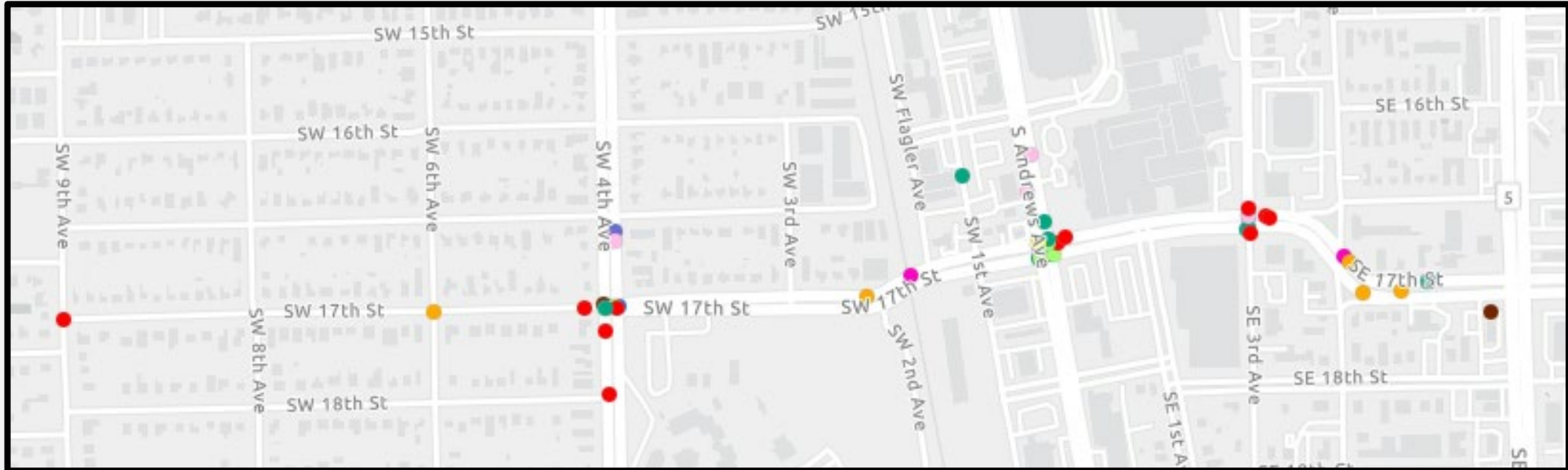


Existing Conditions: 2018 to 2022 Crashes

Heat map of Injury Crashes (Injury, Serious Injury, Fatality)



Injury Crashes by Crash Type (Injury, Serious Injury, Fatality)



- Angle
- Rear End
- Left Turn
- Off Road
- Pedestrian
- Bicycle
- Head On
- Backed Into
- Other
- Parked Vehicle
- Single Vehicle

Segment 1: SW 9 Av to west end of SW 4 Av



Existing Conditions:

- Sidewalk Gaps (south ROW)
- Missing sidewalk extensions at intersections
- Sloped sidewalks near SW 4 Av
- No bicycle facilities
- No marked crosswalks at SW 8 Av and SW 6 Av
- No ped-scale lighting
- Minimal Street lighting
- 4-way 3-way Stops intersections
- SW 8 Av is off-set intersection
- No traffic calming features
- School zone pavement markings

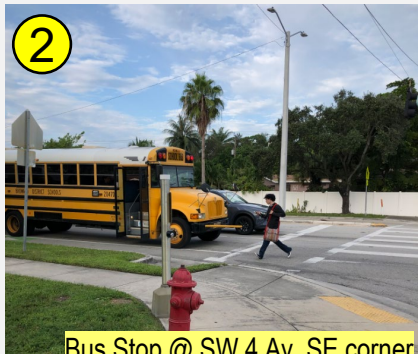
City Preferences:

- ✓ Fill in missing sidewalk gaps
- ✓ Fill in missing sidewalk extensions at intersections
- ✓ Sharrows / "Share the Road" signage
- ✓ Mark all crosswalks
- ✓ Traffic calming features both along roadway and at intersections
- ✓ Improve roadway lighting
- ✓ Improve stormwater management
- ✓ Improve safety of intersection at SW 9 Av (N/S traffic)
- ✓ Realign pavement markings just west of SW 4 Av

Segment 2: SW 4 Av to west of Andrews Av



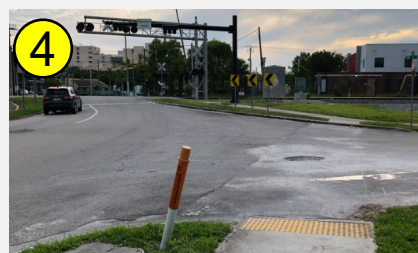
Faded crosswalks @ SW 4 Av



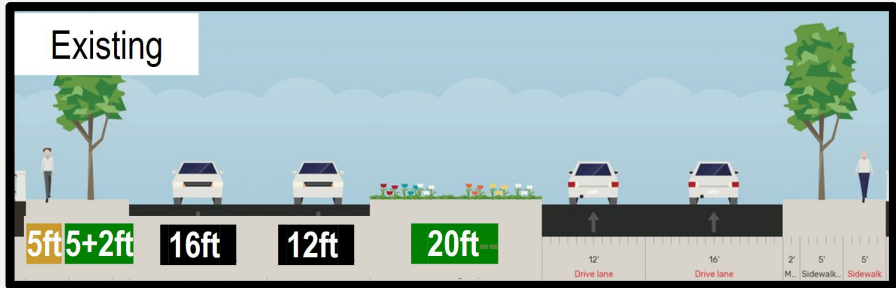
Bus Stop @ SW 4 Av, SE corner



Crossing @ SW 3 Av median break



No crosswalk @ SW 2 Av, south ROW



Sidewalk gap @ FEC, north ROW



Crossing @ SW 1 Av, north ROW

Existing Conditions:

- @ SW 4 Av: Faded crosswalk markings; Ped's cross 5 lanes; Permissive only LTs; 1 streetlight (in east median); school crossing guards; school bus stops
- **West of FEC:** Shade trees in north and south ROW; school speed zone
- Missing sidewalk over FEC
- No bicycle facilities
- No marked crosswalks over side streets
- Missing curb extensions and accessible components
- No ped-scale lighting; Minimal Street lighting
- Pedestrians crossing not at marked crosswalks
- Flooding in south ROW between SW 2 Av - SW 3 Av
- SW 17 St @ SW 1 Av is on BMPO High Injury Network (2017 – 2021 crashes)

5-Year Crashes (2018-2022)

- **Fatality**, April 2021 @ 2am, WB Driver sped over FEC tracks, slammed into median
- **Injury / Bicyclist**, April 2019 @ 6pm, Rode WB on north sidewalk to crosswalk at SW 4 Av, struck by WB to NB RT car (unknown fault)
- **Injury / Bicyclist**, March 2022 11am, Rode in SB to EB LT lane (SW 4 Av) and rode into LT car (bicyclist fault)

City Preferences:

- ✓ **Raised, separated, protected bike facility** (reduce outside lane width or narrow median)
- ✓ Marked crosswalks over side streets
- ✓ High emphasis crosswalk markings
- ✓ ADA compliant facilities
- ✓ Improved street lighting
- ✓ Ped-Scale Lighting
- ✓ Relocate FPL poles from medians
- ✓ Mid-block crosswalk near SW 3 Av
- ✓ Protect trees
- ✓ Convert SW 4 Av signal to Mast Arm; Assess need for LT phase
- ✓ Improve stormwater management

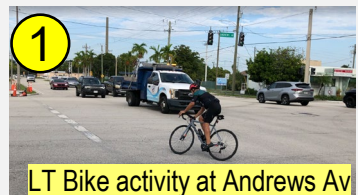
Segment 3: Andrews Av to SE 3 Av



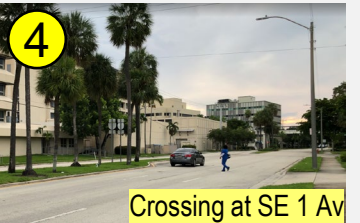
West view to Andrews Av, Heavy Trucks on Andrews Av



Use Crosswalk sign under ped-bridge



LT Bike activity at Andrews Av



Crossing at SE 1 Av



SE 3 Av; west view



Faded crosswalk markings, East crosswalk



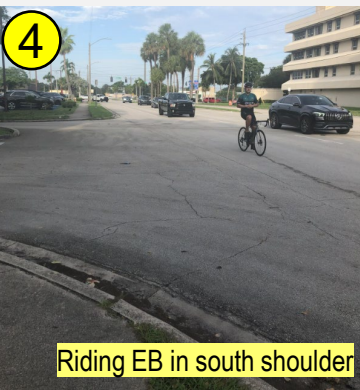
Crossing at SE 1 Av



SE 3 Av; north view



Riding EB in south shoulder



SE 3 Av; east view

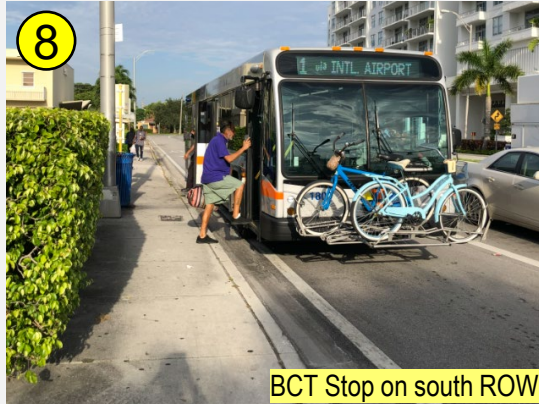
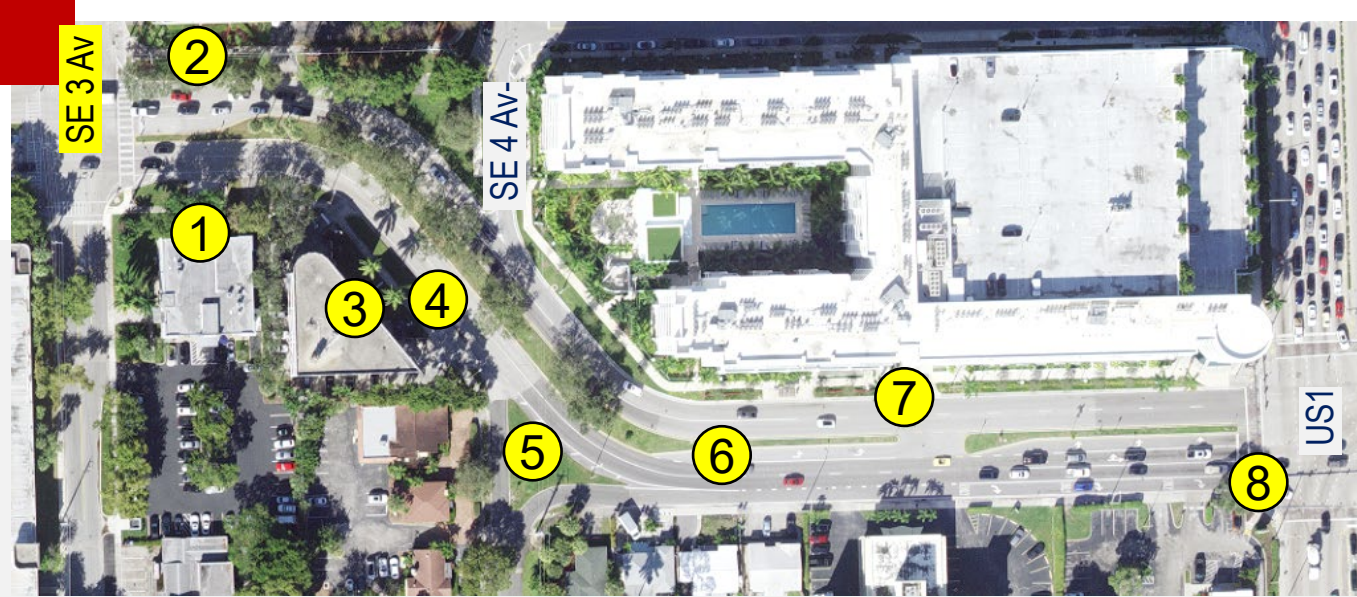
Existing Conditions:

- @ **Andrews Av**: Faded crosswalk markings; Permissive only LTs from 17 St; Ped's crossing 6 lanes
- @ **SE 3 Av**: High visibility crosswalk markings; Ped-Bridge from parking garage to hospital (no street access); Permissive LT on all directions
- No bicycle facilities; bicyclists observed riding in right shoulders
- No marked crosswalks over SE 1 Av or driveways
- Missing curb extensions and accessible components
- Heavy truck traffic on Andrews Av
- No ped-scale lighting
- Use crosswalk sign under ped-bridge
- Ped's observed crossing @ SE 1 Av from hospital employee parking lot to employee entrance
- BCT Stops missing shelters & other amenities
- SW 17 St @ Andrews Av is on BMPO High

- ### City Preferences:

 - ✓ **Raised, separated, protected bike facility**
 - ✓ Remove "3rd" lane / continuous right-turn lane
 - ✓ Keep left turn lanes
 - ✓ Tighten median opening and curb radii at SE 1 Av
 - ✓ *Marked crosswalks over side streets*
 - ✓ *High emphasis crosswalk markings*
 - ✓ *ADA compliant facilities*
 - ✓ *Improved street lighting* (including under pedestrian bridge)
 - ✓ Ped-Scale Lighting
 - ✓ Assess need for mid-block crossing for hospital parking
 - ✓ Increase shading
 - ✓ *Convert both intersection equipment to Mast Arm and other signal improvements*
 - ✓ Assess need for LT phase
 - ✓ *Improve stormwater management*

Segment 4: East of SE 3 Av to west ROW US1



Existing Conditions:

- No bicycle facilities; bicyclists observed riding in right shoulders, darting into roadway, and riding on sidewalk
- North sidewalk at SE 4 Av: connects via landscaped median
- South sidewalk at SE 4 Av: no connection to landscape median (well-worn path visible)
- East of SE 1 Av, south sidewalk abuts back-out parking & is at curb.
- 20 MPH speed limit at roadway curve
- Heavy Truck traffic on 17 St
- No marked crosswalks over driveways
- Missing curb extensions and accessible components
- No ped-scale lighting
- Ped's observed crossing not at marked crosswalks
- BCT Stops have shelters / amenities
- Stop at SW corner of US1 has sign only

City Preferences:

- ✓ **Shared Use Path or marked bike facility**
- ✓ *Remove "3rd" lane / continuous right-turn lane*
- ✓ *Keep left turn lanes*
- ✓ Median or other physical barrier to restrict SB to EB left turns from Whole Foods parking garage
- ✓ Enhance landscaping in the southern porkchop at SE 4 Av
- ✓ *Marked crosswalks over side streets*
- ✓ *ADA compliant facilities*
- ✓ *Ped-Scale Lighting*

Project Schedule: Next Steps

September

Project Kick-Off

- **Meeting: City SWG #1**
- Data Collection
- Field Audits

October

Stakeholder Engagement

- Meeting: **Broward County**
- Meeting: **City Elected Officials**
(District Commissioner & Mayor)
- Meeting: **HOA Boards**
- 5-Year Crash Trends

BMPO will review 5-years of crash data for roadway and intersections

BMPO will attend meetings with City Elected Officials and HOA Board members

BMPO (Kimley-Horn) will prepare Preliminary Alternatives for November 8th meeting with City Staff

Next meeting with **Broward County** Staff will be in December to review Preliminary Alternatives.



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