

Mobility Hub
at SW/SE

17TH ST

Project Development



Agenda

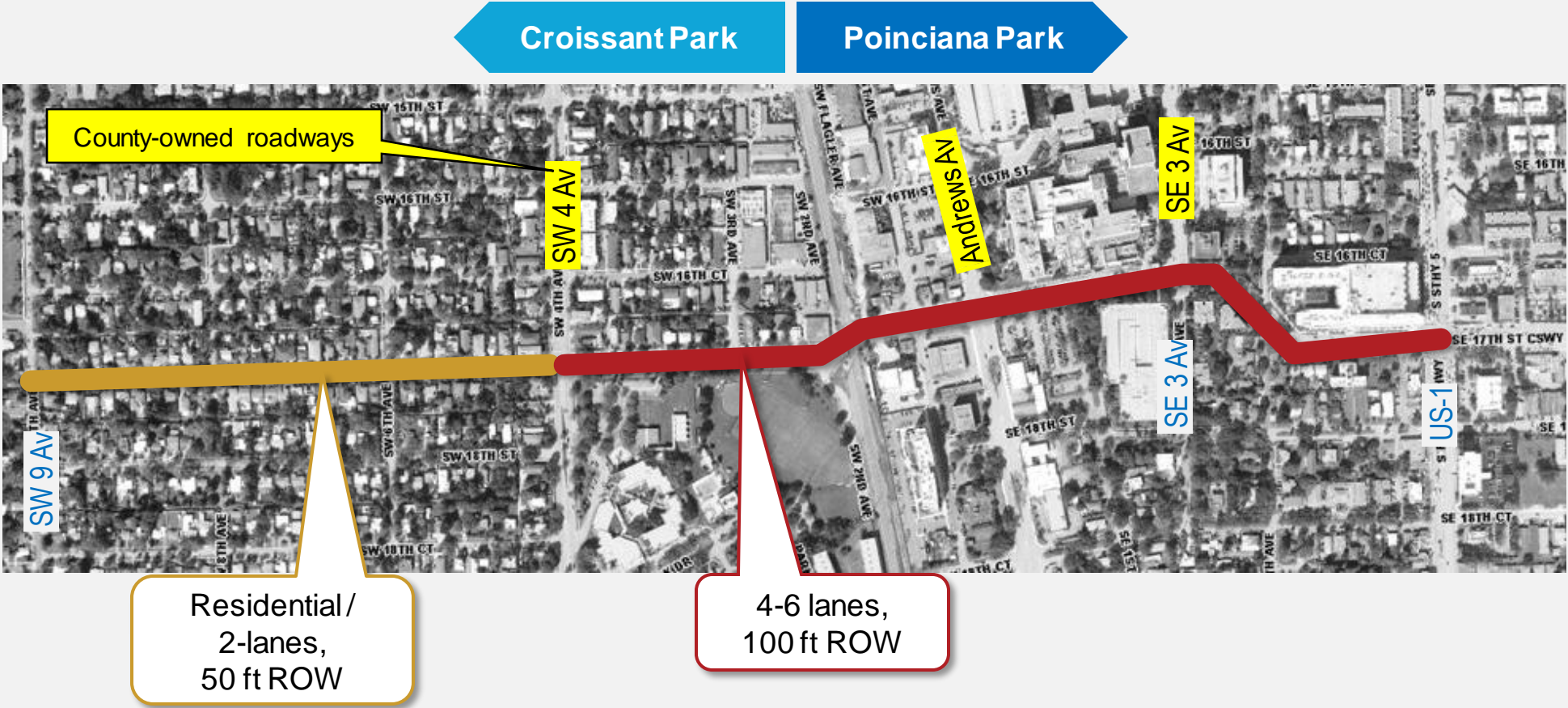
- Project Background
- Preliminary Alternatives
- Schedule
- Next Steps

Meeting Goals:

- ✓ Introduce Project to FDOT Staff
- ✓ Share Preliminary Alternatives with FDOT Staff
- ✓ Hear from FDOT Staff: Feedback on the alternatives



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
- Broward Commuter Rail

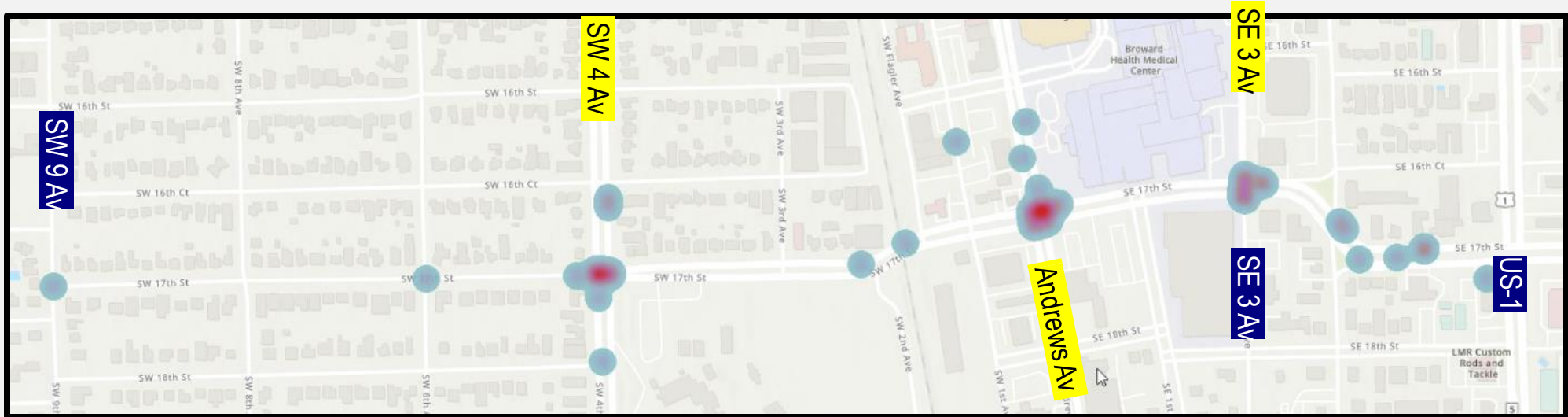
When:

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

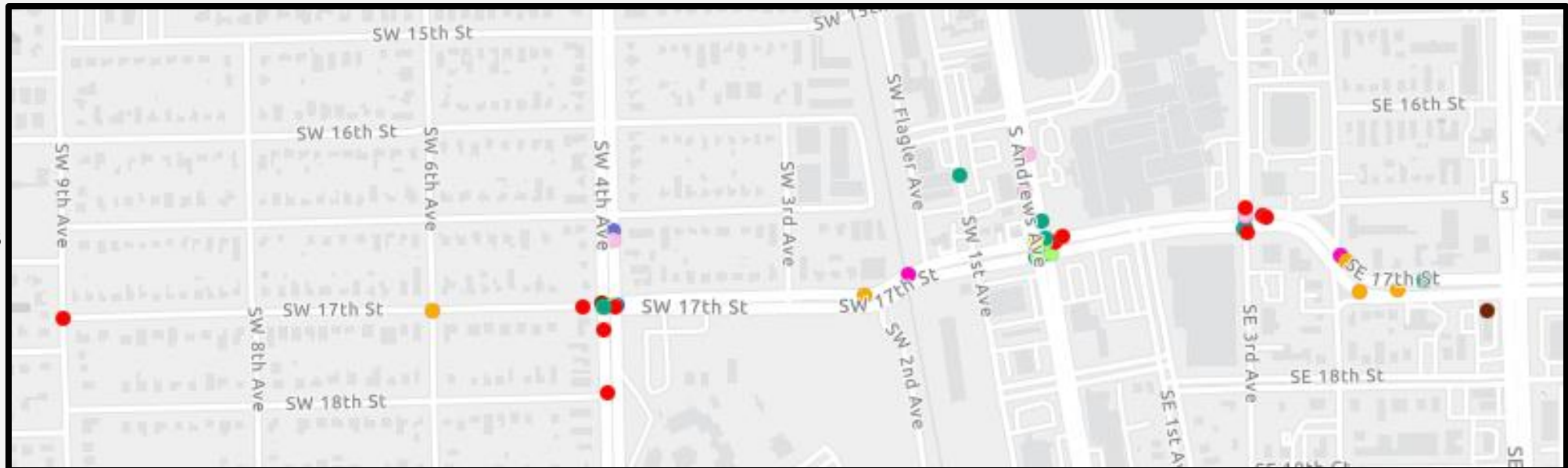
Existing Conditions: 2018 to 2022 Crashes

Additional crash maps include Ped/Bike Crashes, Crashes on wet roads, Crashes at night, etc.....)

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

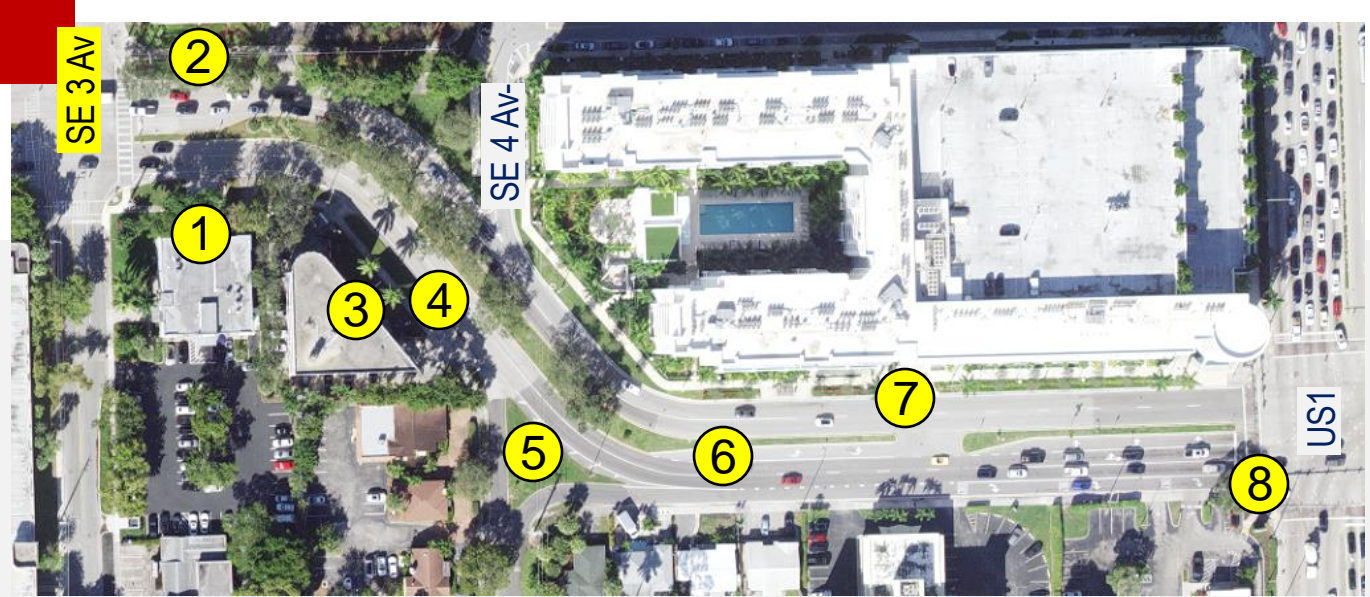


Injury Crashes by Crash Type (Injury, Serious Injury, Fatality)



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

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



South ROW, east view



Bicyclist crossing at median opening



North ROW, west view



Heavy truck



BCT Stop on south ROW



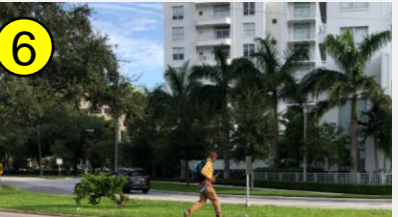
Crossing near SE 4 Av



South ROW, west view



SE 4 Av, south ROW median



Crossing near 500 block



SW corner, east view

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*



PARKING

FRESH FOODS MARKET



SE 3rd Ave to US-1 Alternative 1

17TH ST

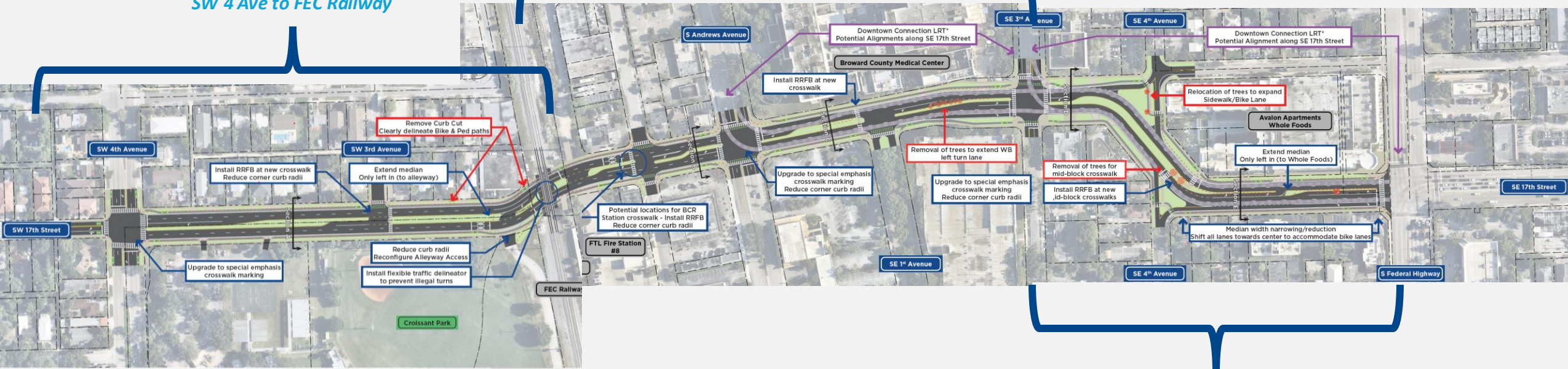


Alternative 1

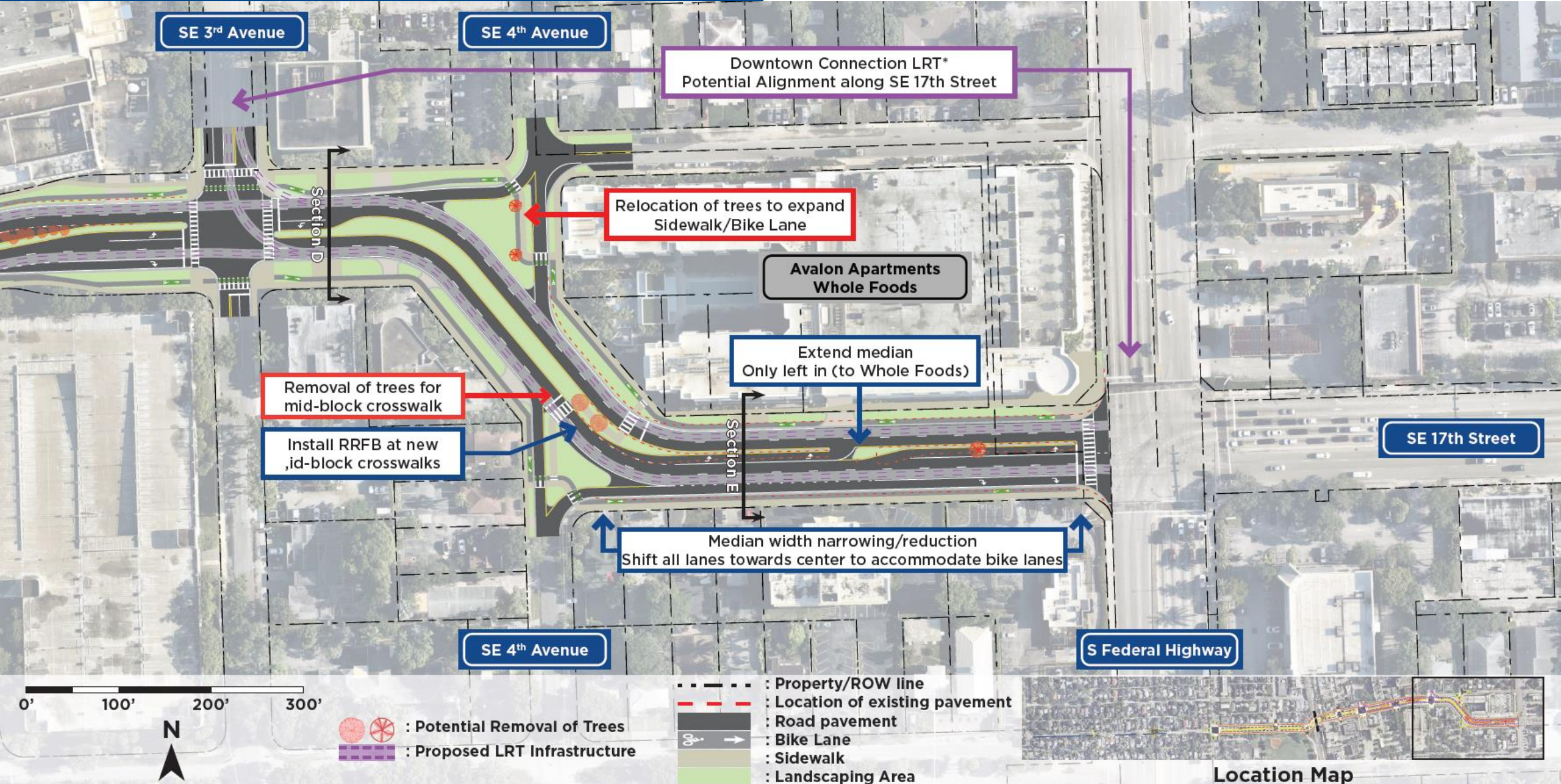
Segment 2 SW 4 Ave to FEC Railway

Segment 3 FEC Railway to SE 3 Ave

Segment 4 SE 3 Ave to US-1



SE 3rd Avenue to US-1



SE 3rd Avenue

SE 4th Avenue

Downtown Connection LRT*
Potential Alignment along SE 17th Street

Relocation of trees to expand
Sidewalk/Bike Lane

Avalon Apartments
Whole Foods

Extend median
Only left in (to Whole Foods)

Removal of trees for
mid-block crosswalk

Install RRFB at new
mid-block crosswalks

Median width narrowing/reduction
Shift all lanes towards center to accommodate bike lanes

SE 17th Street

SE 4th Avenue

S Federal Highway

0' 100' 200' 300'



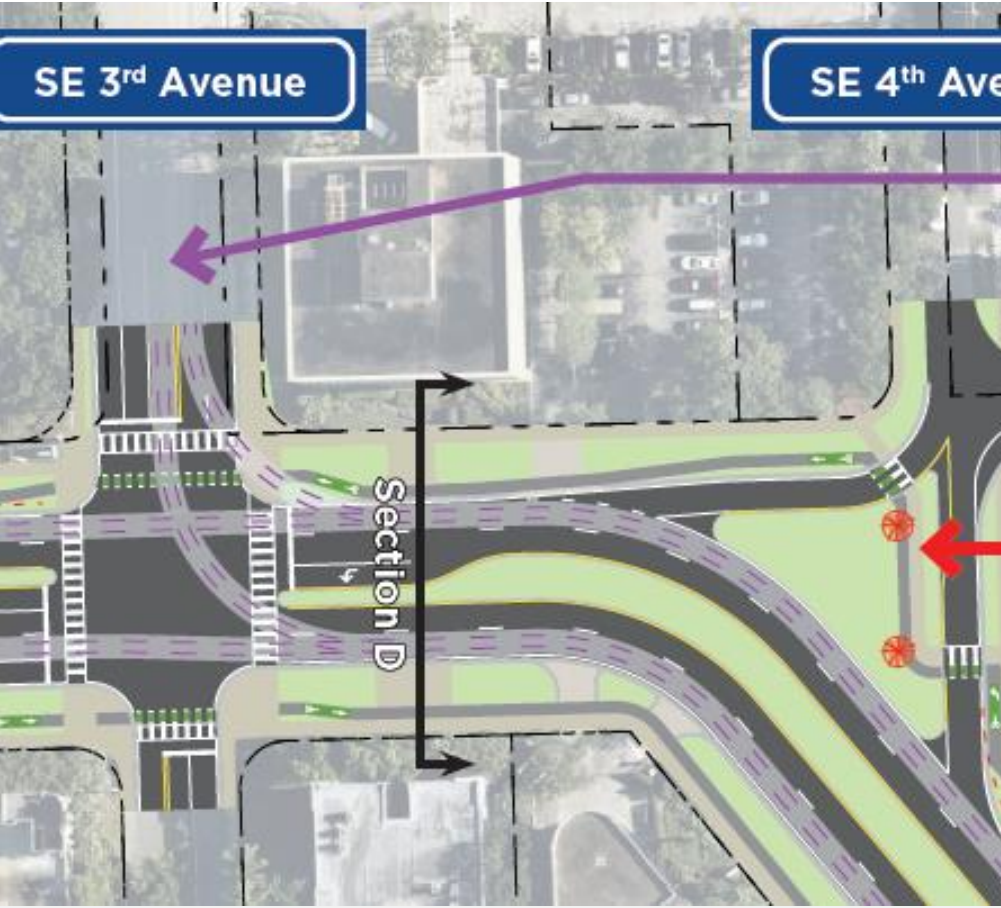
- : Potential Removal of Trees
- : Proposed LRT Infrastructure

- : Property/ROW line
- : Location of existing pavement
- : Road pavement
- : Bike Lane
- : Sidewalk
- : Landscaping Area

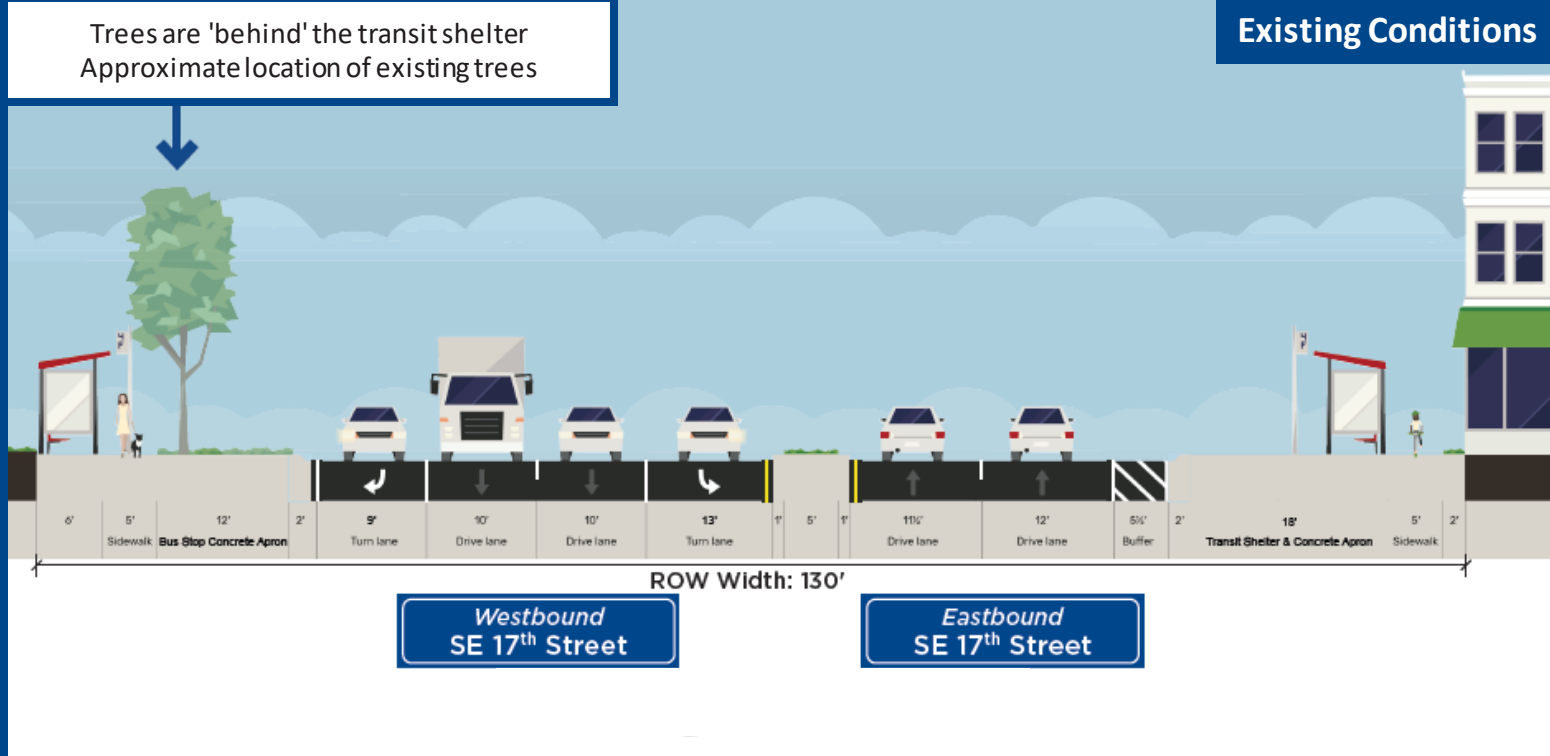


Location Map

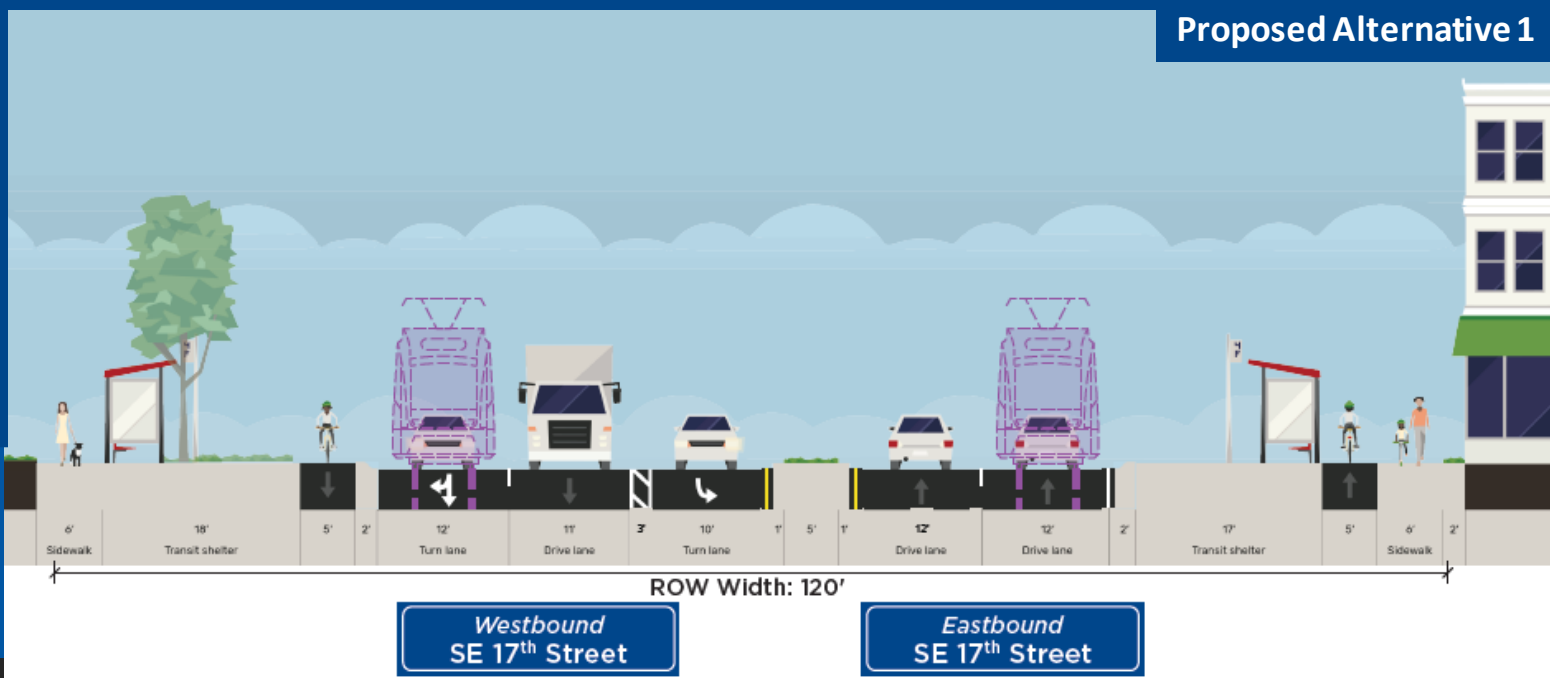
West of SE 4 Ave Section D



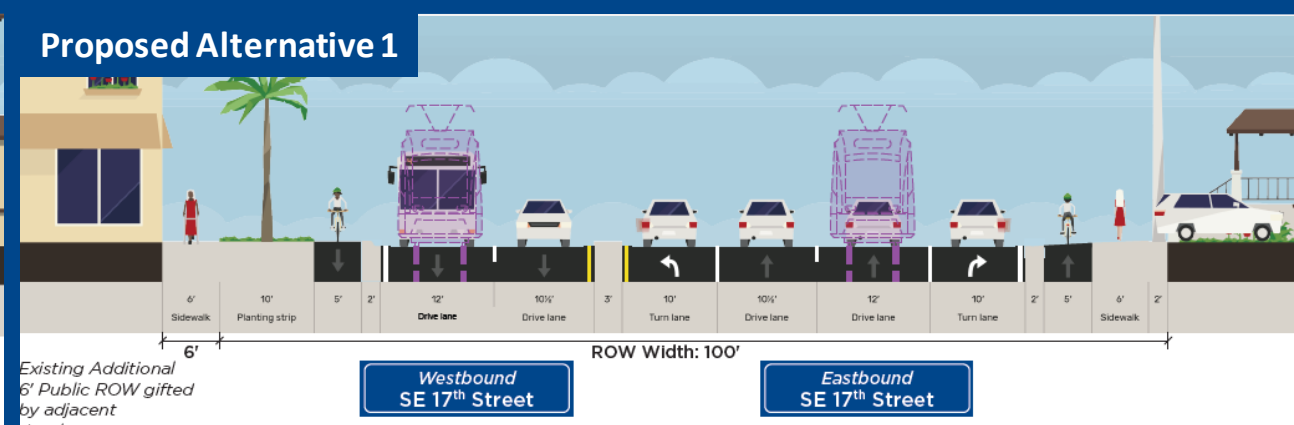
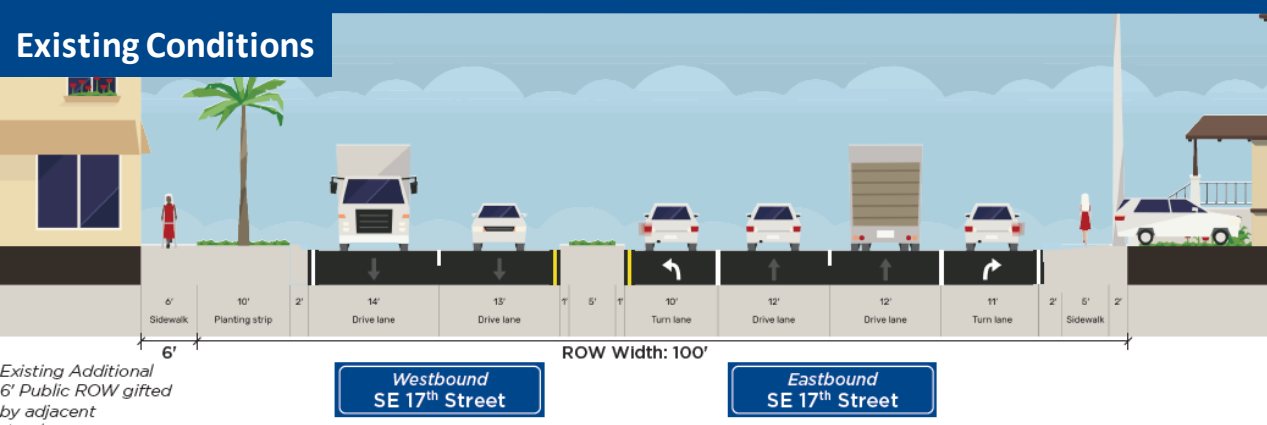
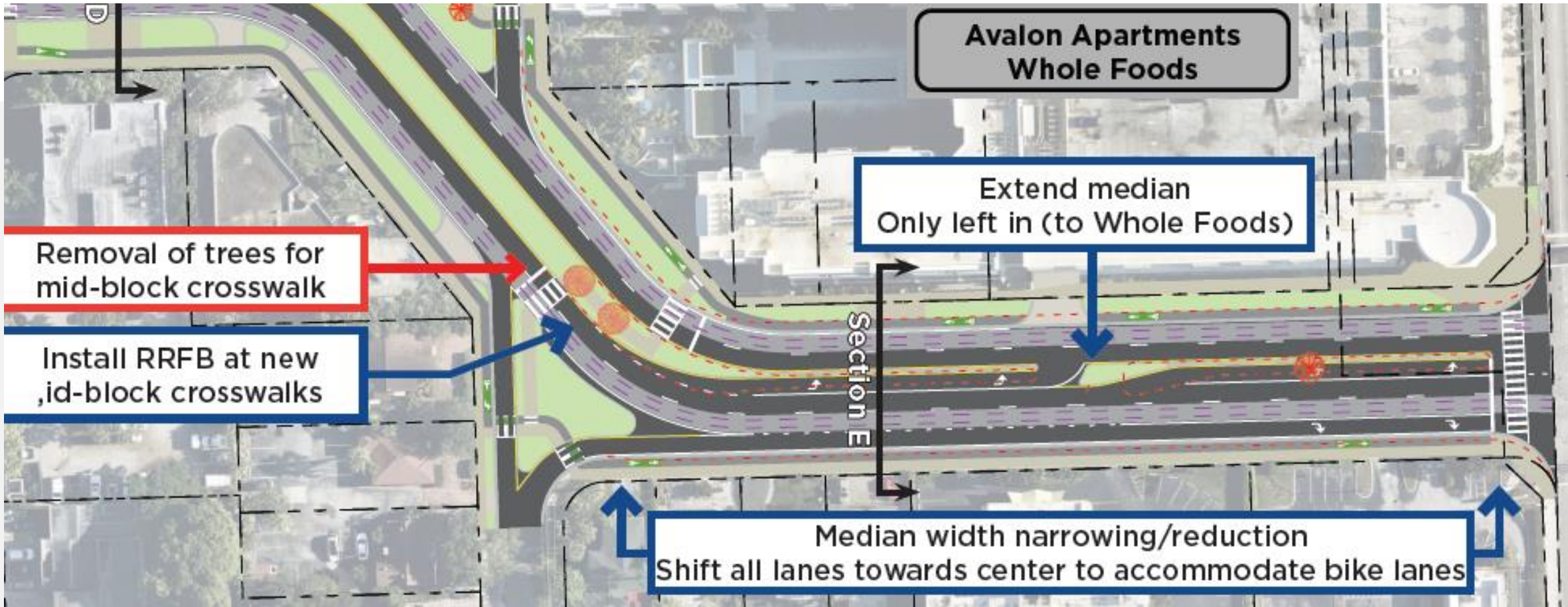
Existing Conditions



Proposed Alternative 1



East of SE 4 Ave Section E



SW 4 Ave to US-1 Alternative 2

17TH ST

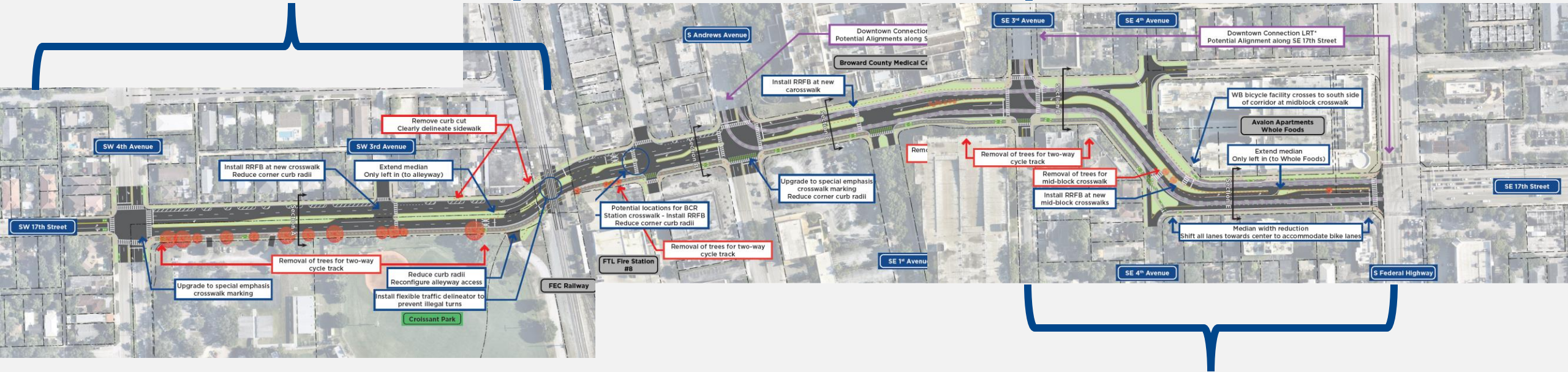


Alternative 2

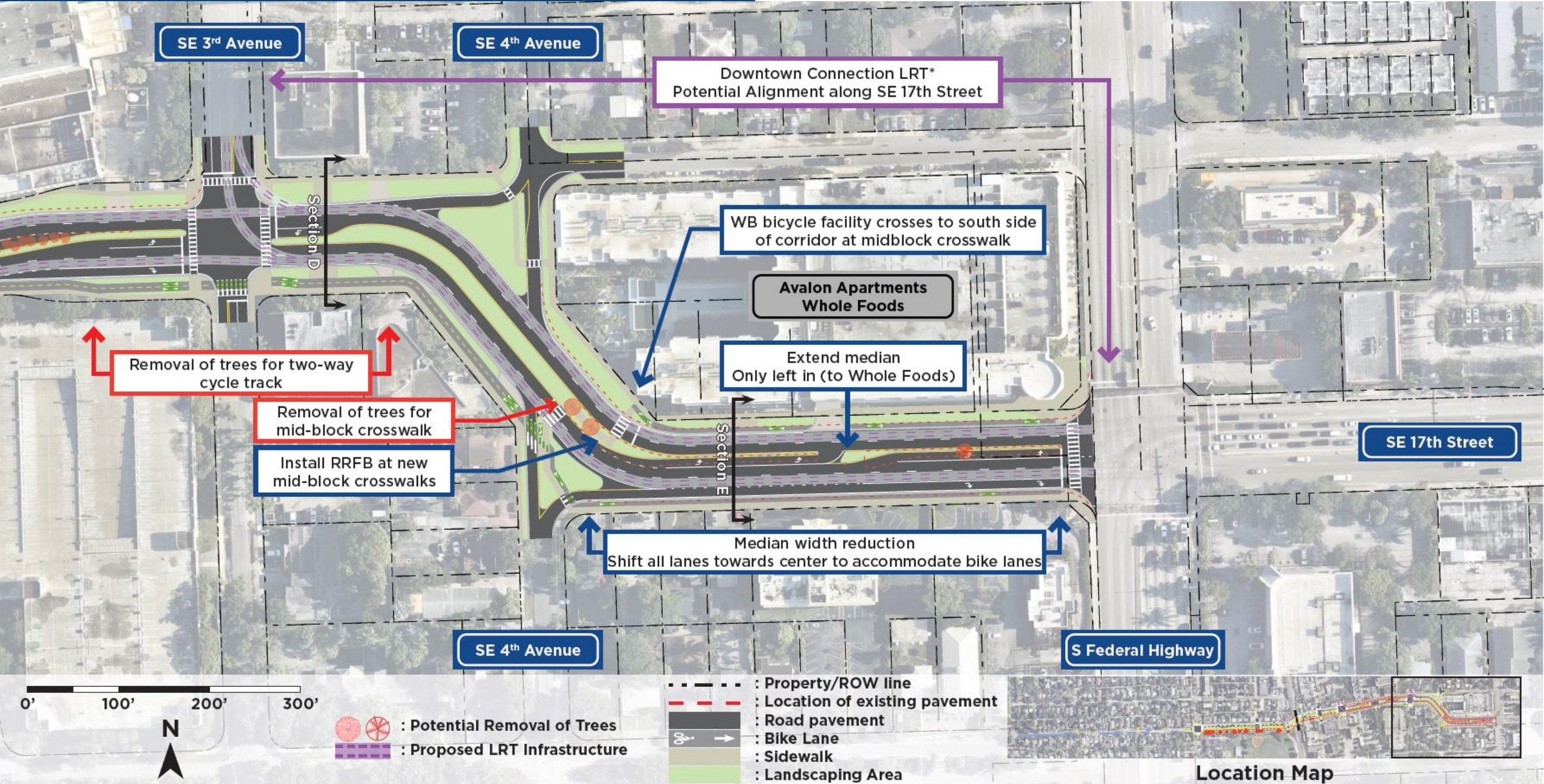
Segment 2
SW 4 Ave to FEC Railway

Segment 3
FEC Railway to SE 3 Ave

Segment 4
SE 3 Ave to US-1



SE 3rd Avenue to US-1



SE 3rd Avenue

SE 4th Avenue

Downtown Connection LRT*
Potential Alignment along SE 17th Street

Section D

WB bicycle facility crosses to south side
of corridor at midblock crosswalk

Avalon Apartments
Whole Foods

Extend median
Only left in (to Whole Foods)

Section E

SE 17th Street

Removal of trees for two-way
cycle track

Removal of trees for
mid-block crosswalk

Install RRFB at new
mid-block crosswalks



Median width reduction
Shift all lanes towards center to accommodate bike lanes


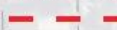
SE 4th Avenue

S Federal Highway

0' 100' 200' 300'



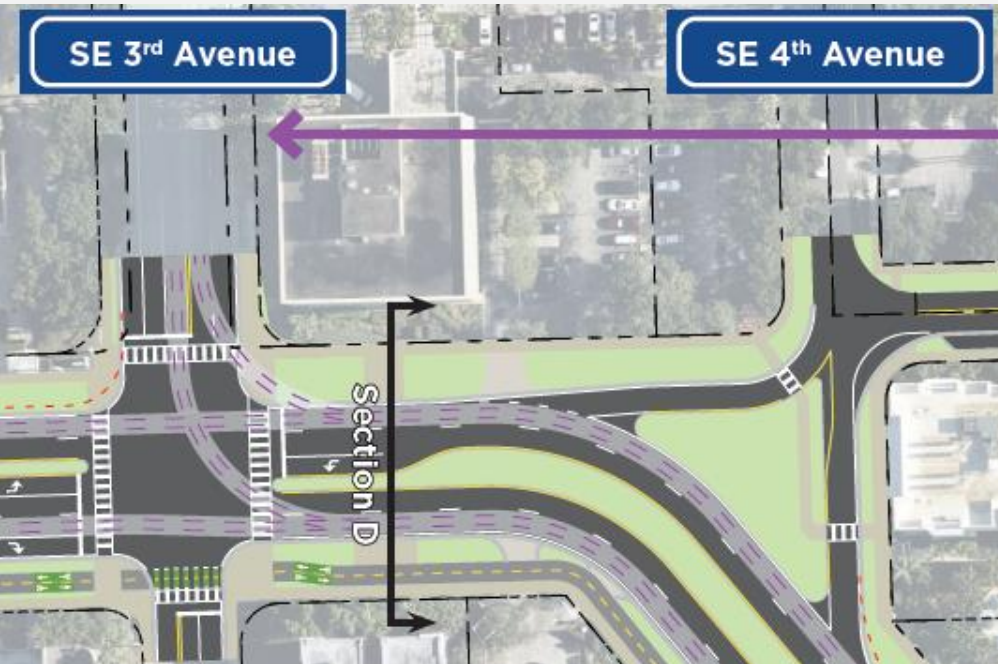
-  : Potential Removal of Trees
-  : Proposed LRT Infrastructure

-  : Property/ROW line
-  : Location of existing pavement
-  : Road pavement
-  : Bike Lane
-  : Sidewalk
-  : Landscaping Area



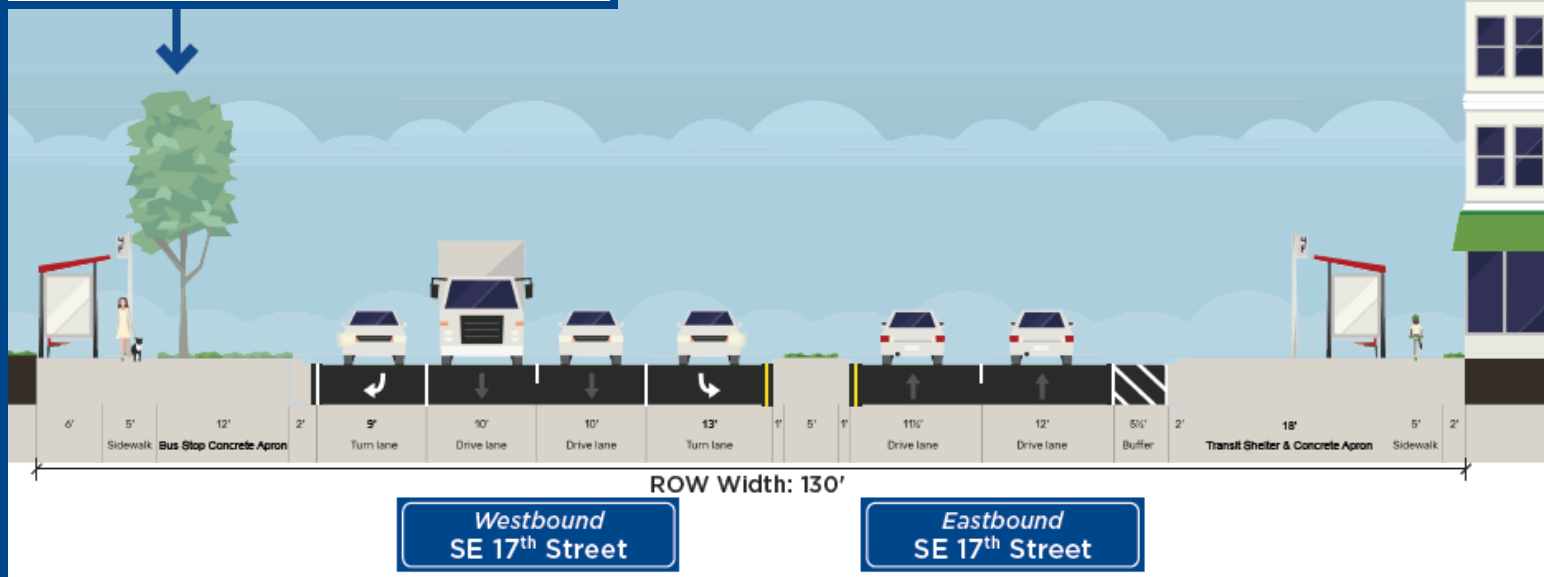
Location Map

West of SE 4 Ave Section D

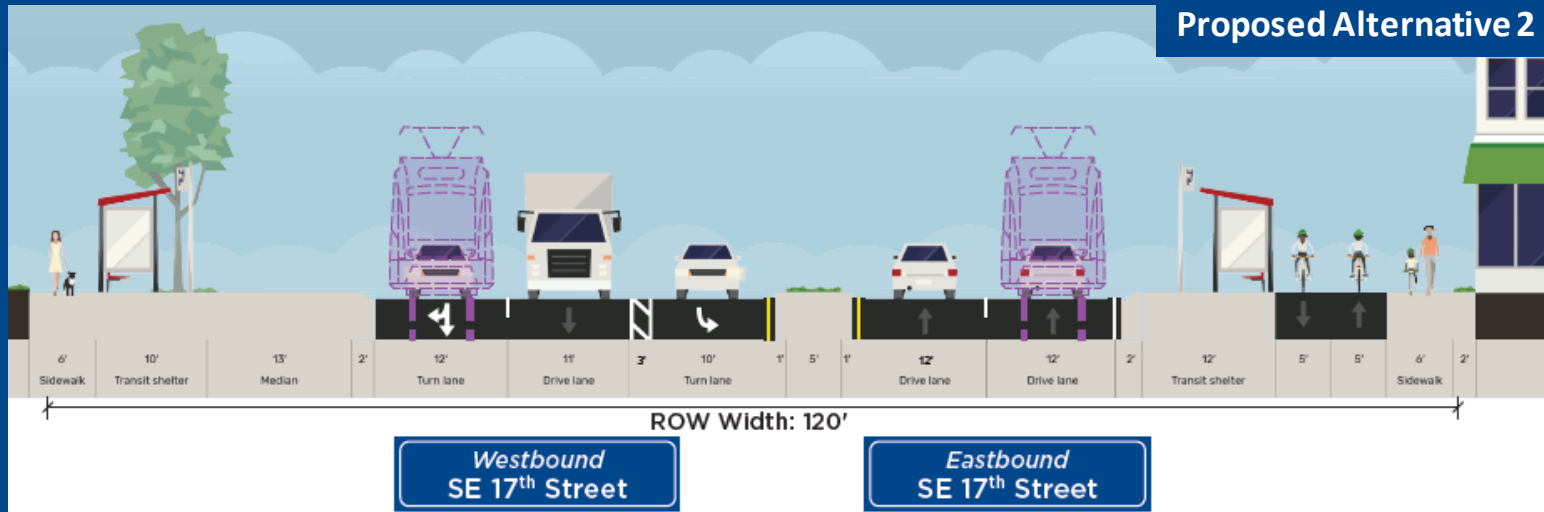


Trees are 'behind' the transit shelter
Approximate location of existing trees

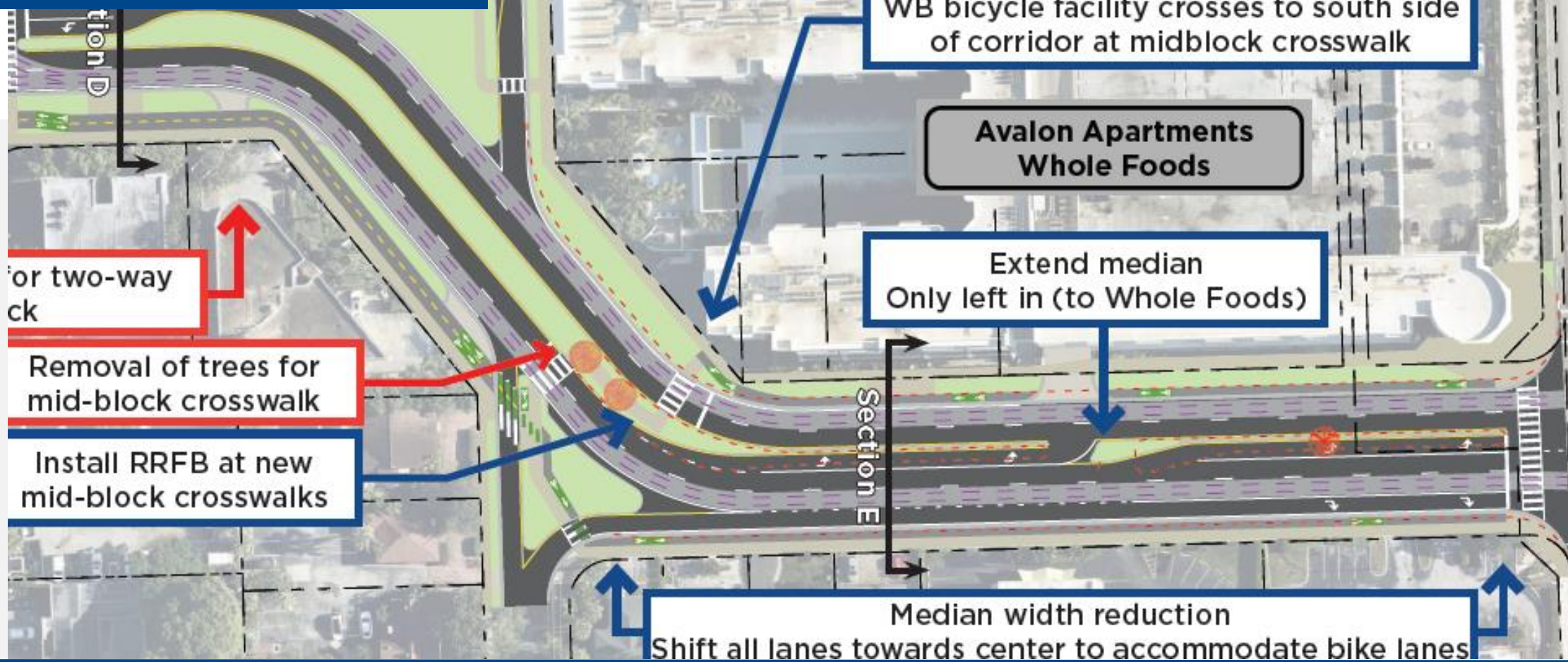
Existing Conditions



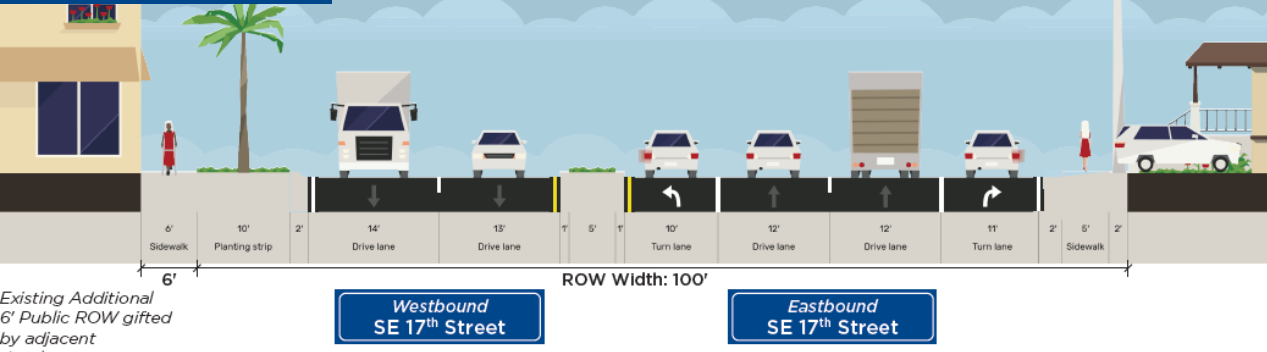
Proposed Alternative 2



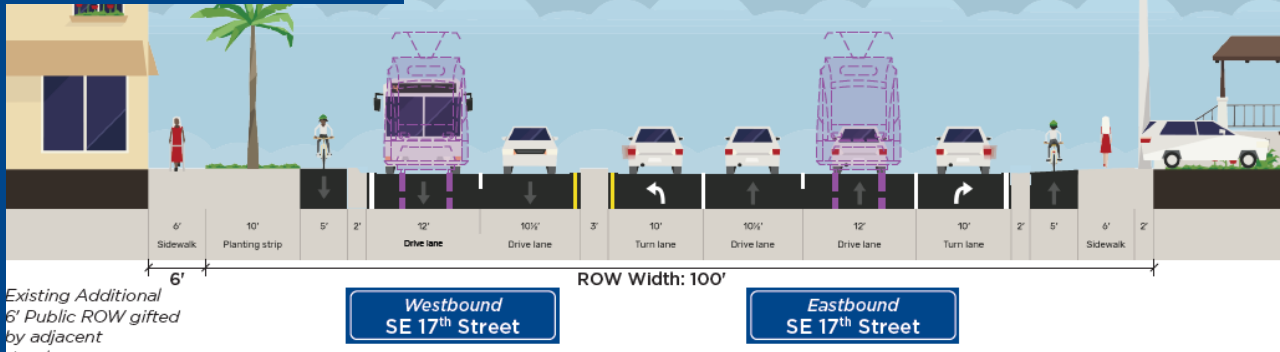
East of SE 4 Ave Section E



Existing Conditions



Proposed Alternative 2



Project Schedule



17TH ST

Project Schedule: Next Steps



BMPO Meeting with Broward County
BMPO Refine Alternatives

Next FDOT Meeting = February
Topic: Refined Alternatives



17TH ST

Mobility Hub at SW/SE

17TH ST

Project Development

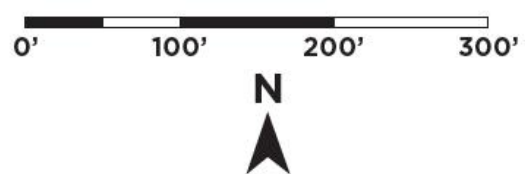
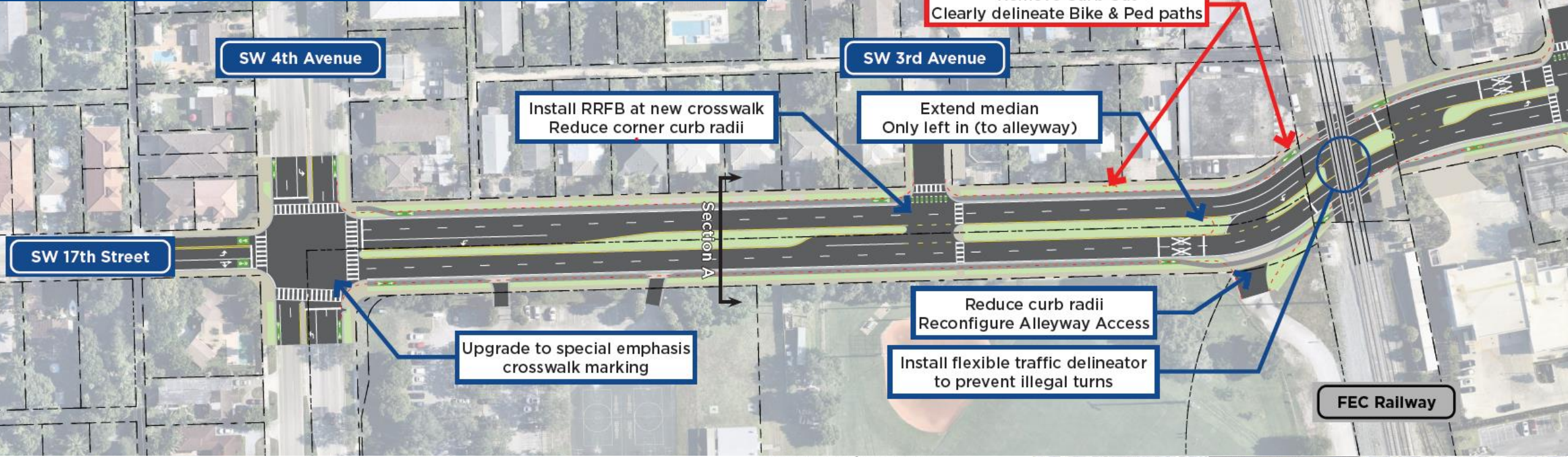


Alternative 1

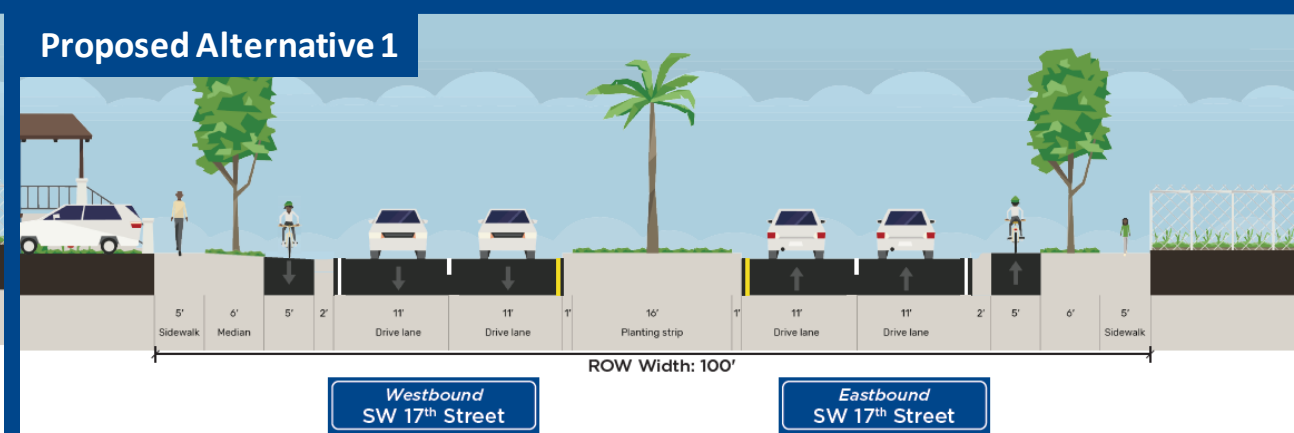
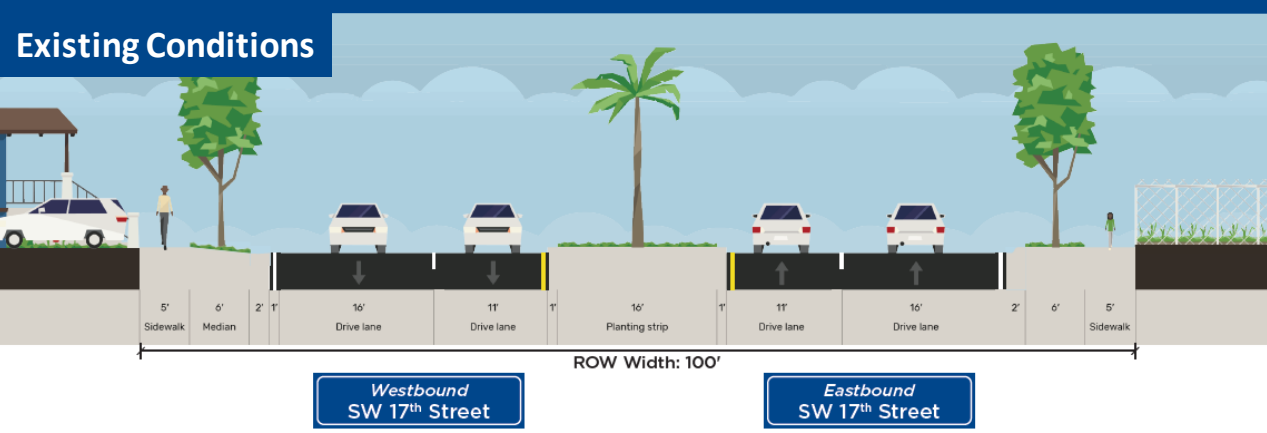
17TH ST



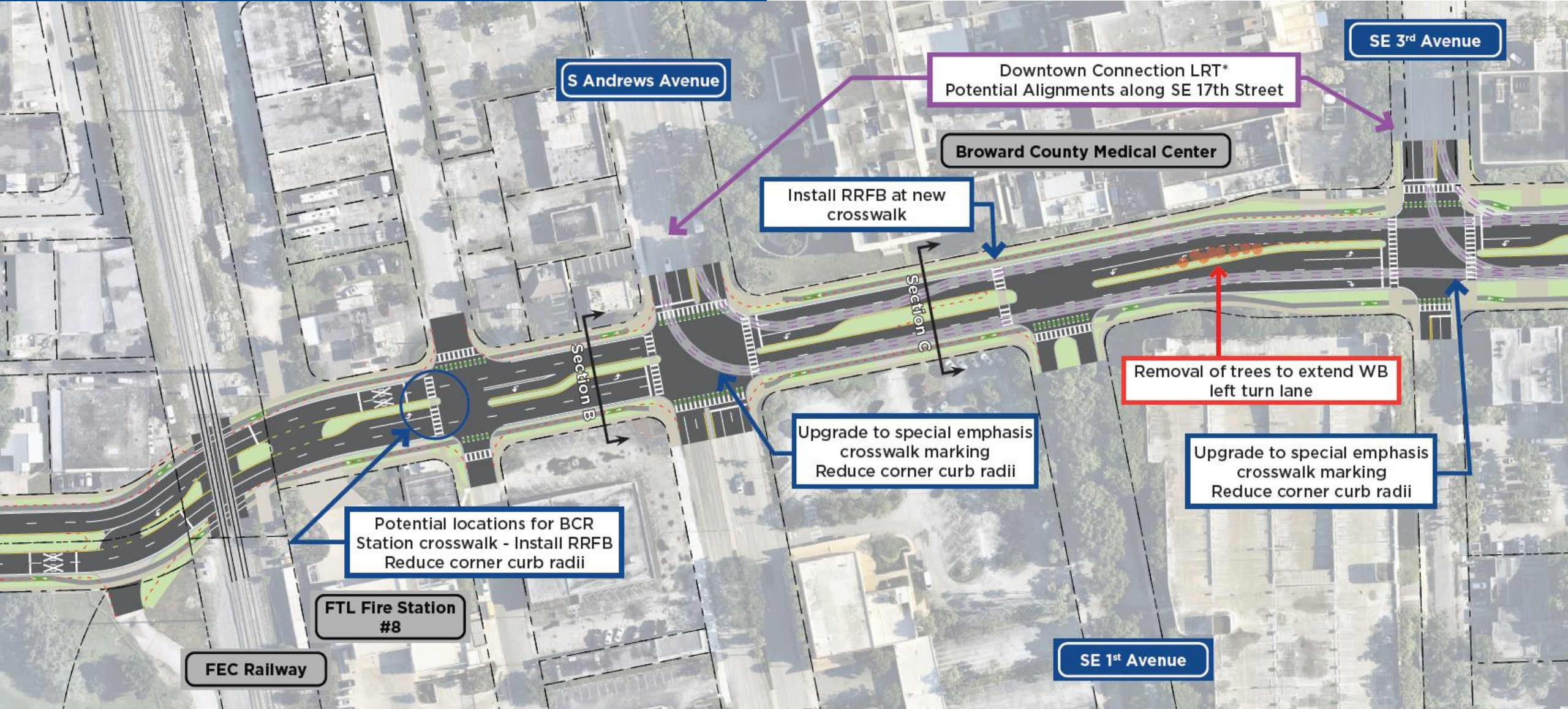
SW 4 Av to FEC Railway Section A



- : Property/ROW line
- : Location of existing pavement
- : Road pavement
- : Bike Lane
- : Sidewalk
- : Landscaping Area
- : Potential Removal of Trees
- : Proposed LRT Infrastructure



FEC Railway to SE 3rd Avenue

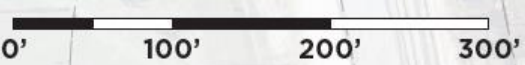


Potential locations for BCR Station crosswalk - Install RRFB
Reduce corner curb radii

Upgrade to special emphasis crosswalk marking
Reduce corner curb radii

Removal of trees to extend WB left turn lane

Upgrade to special emphasis crosswalk marking
Reduce corner curb radii



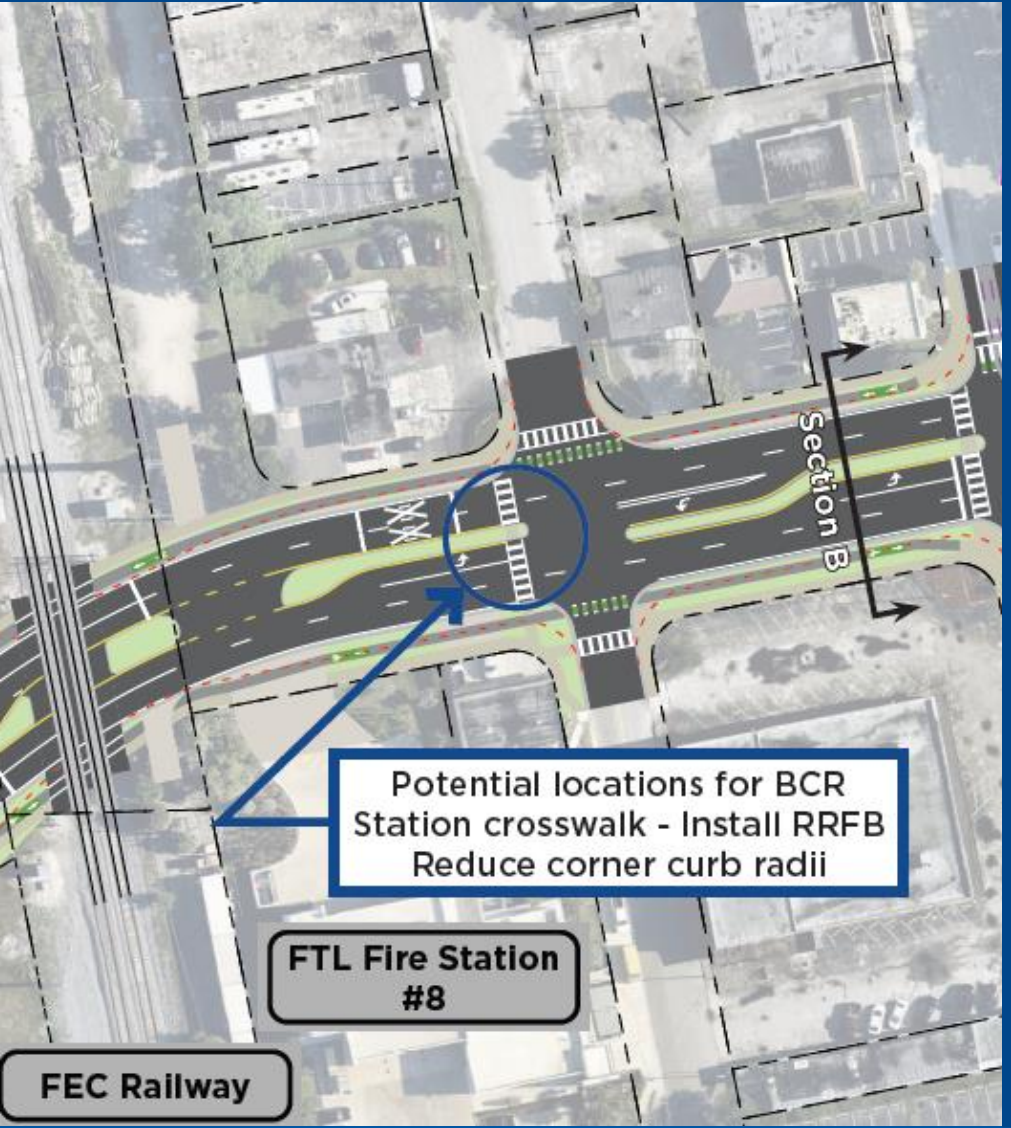
- : Property/ROW line
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Location Map

Between FEC Railway and S Andrews Ave Section B

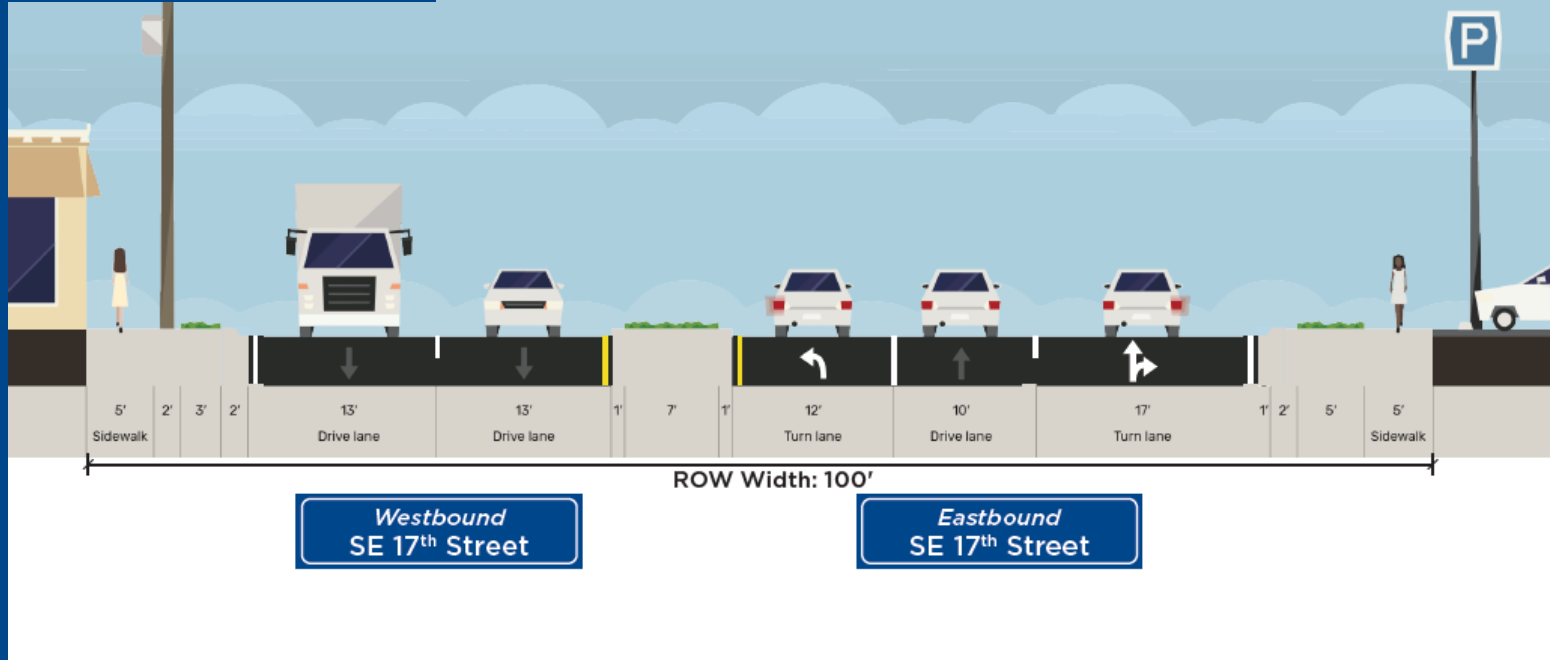
Existing Conditions



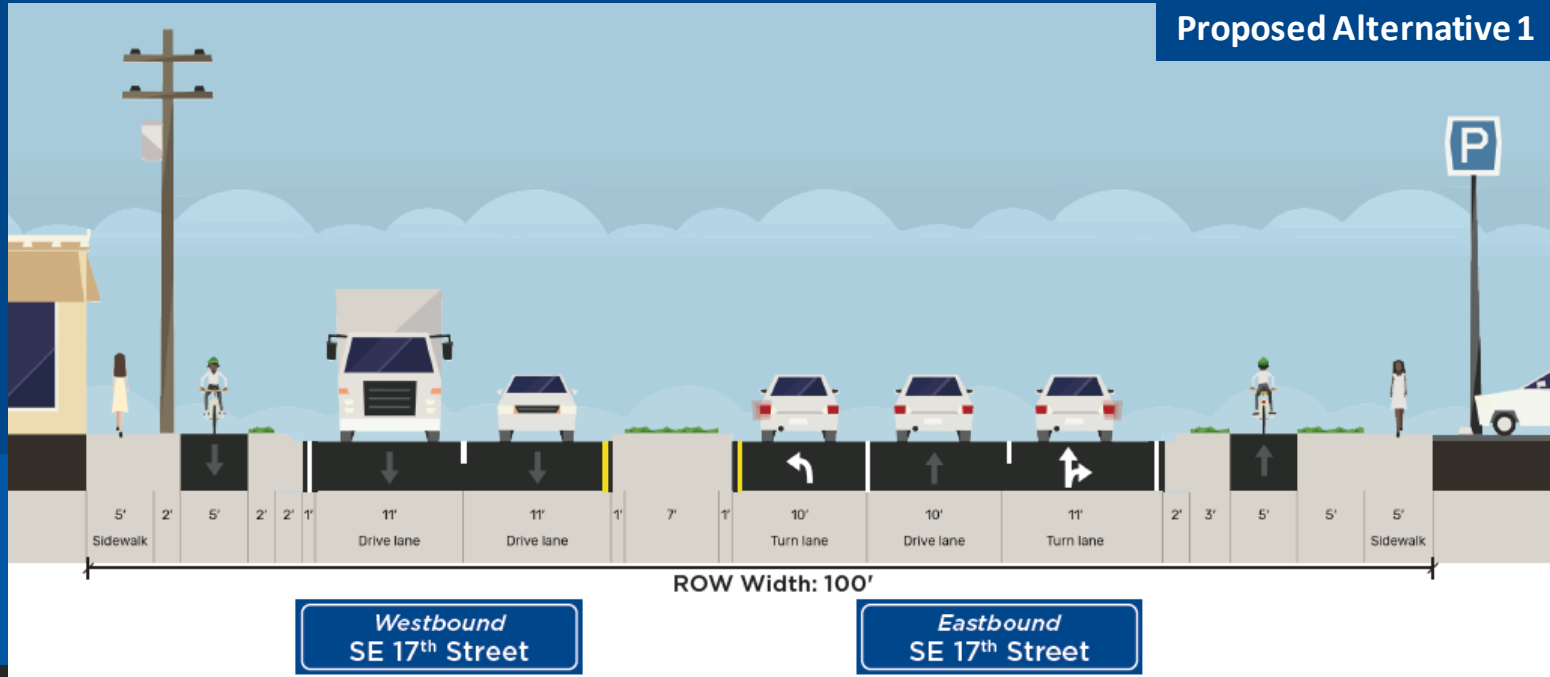
Potential locations for BCR Station crosswalk - Install RRFB
Reduce corner curb radii

FTL Fire Station #8

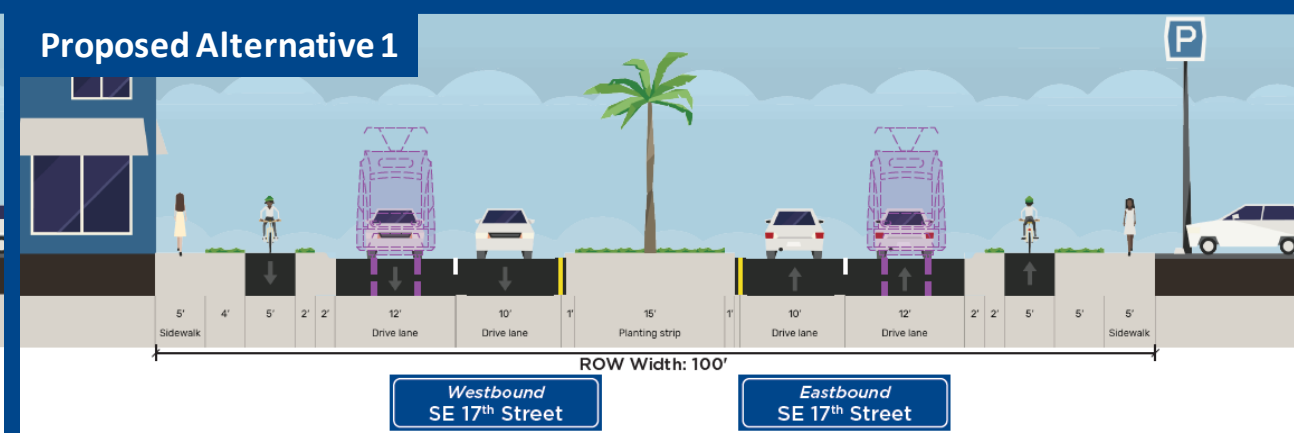
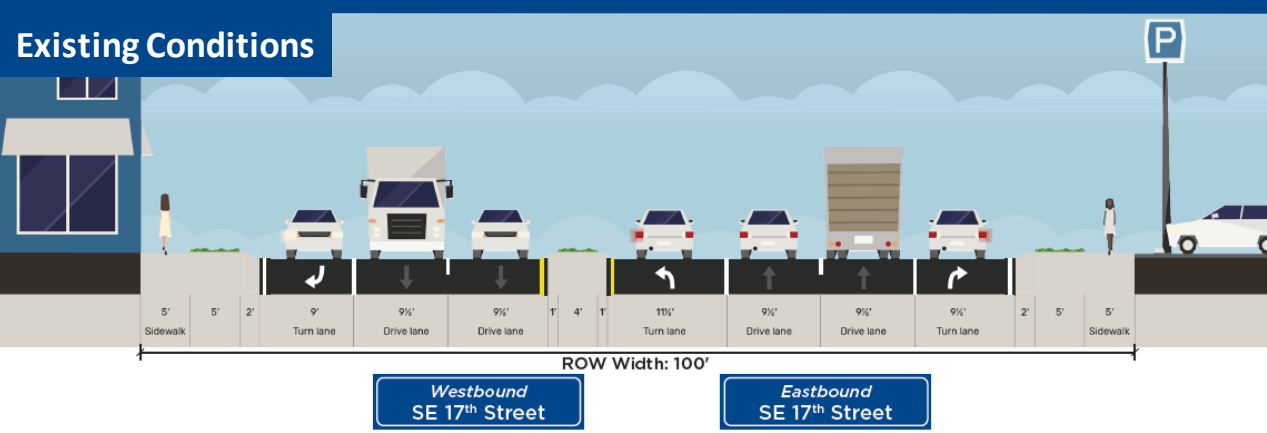
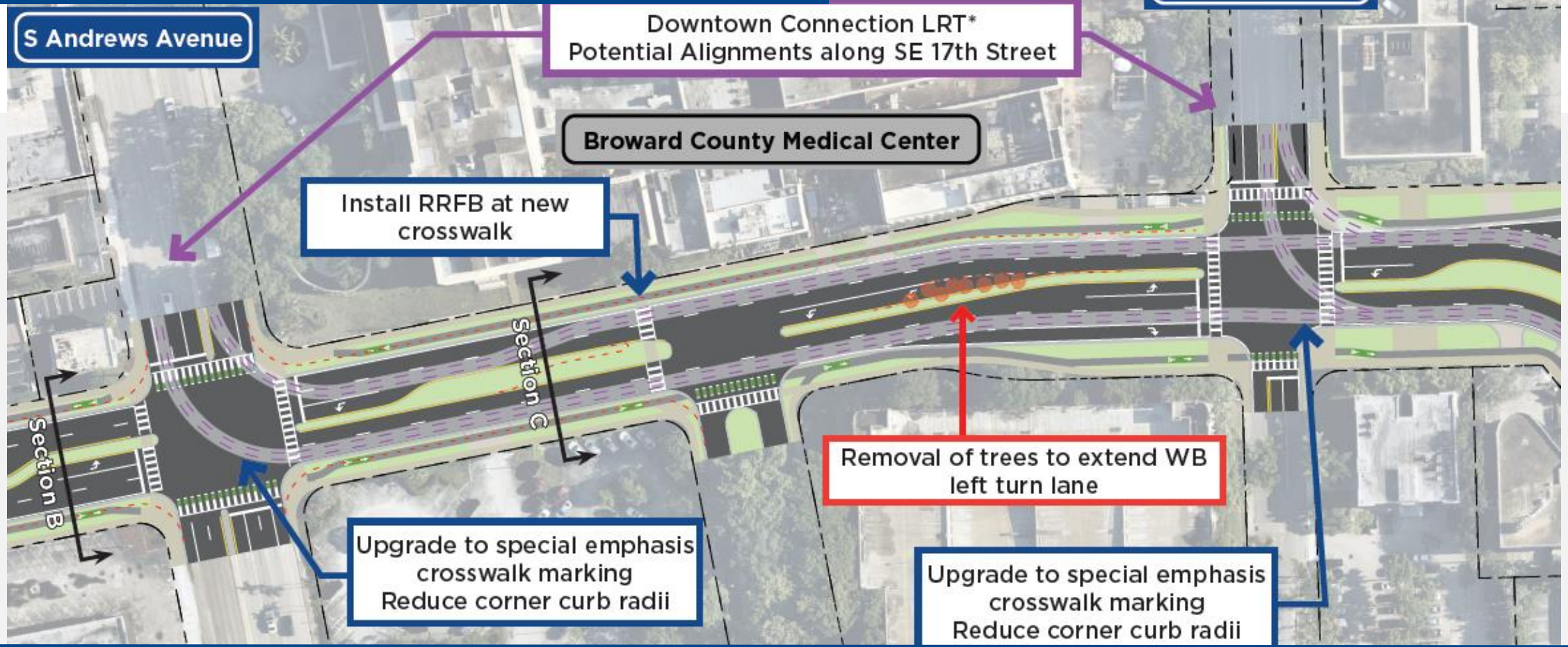
FEC Railway



Proposed Alternative 1



Between S Andrews Ave and SE 3rd Ave Section C

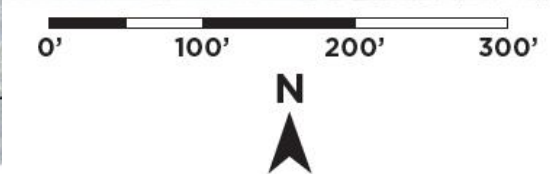
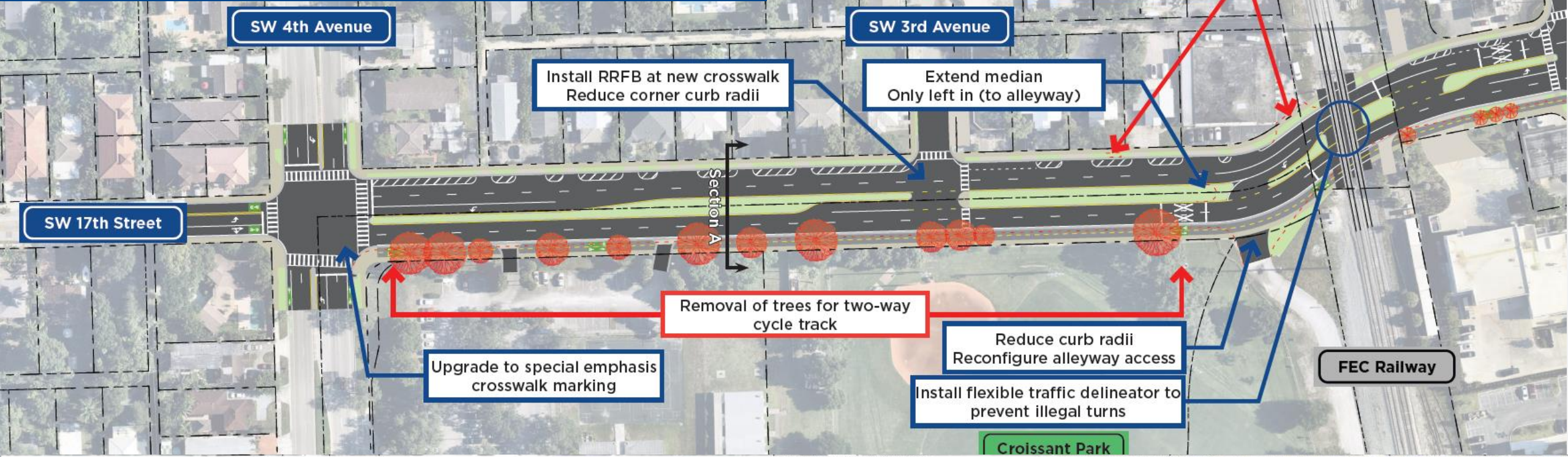


Alternative 2

17TH ST



SW 4 Av to FEC Railway Section A

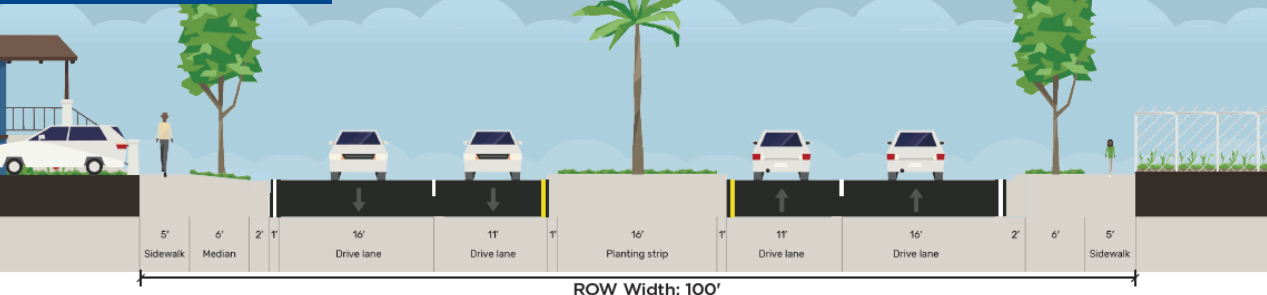


- - - - : Property/ROW line
- - - - : Location of existing pavement
- ▬ : Road pavement
- 🚲 : Bike Lane
- ▬ : Sidewalk
- ▬ : Landscaping Area
- 🌳 : Potential Removal of Trees
- 🚶 : Proposed LRT Infrastructure



Location Map

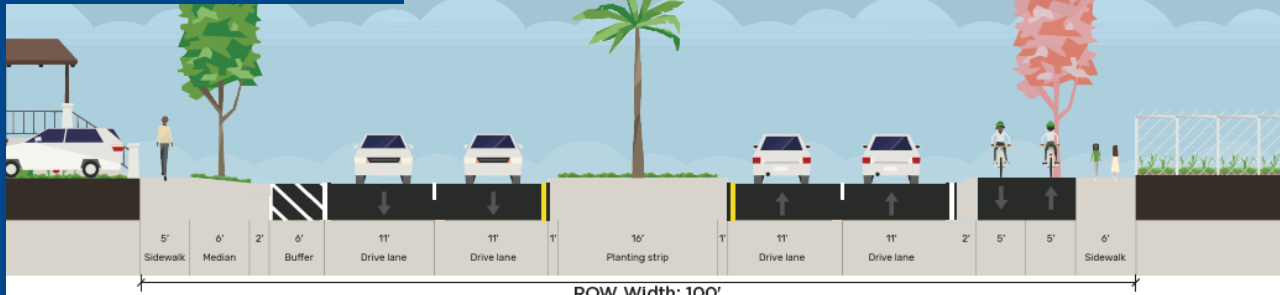
Existing Conditions



Westbound SW 17th Street

Eastbound SW 17th Street

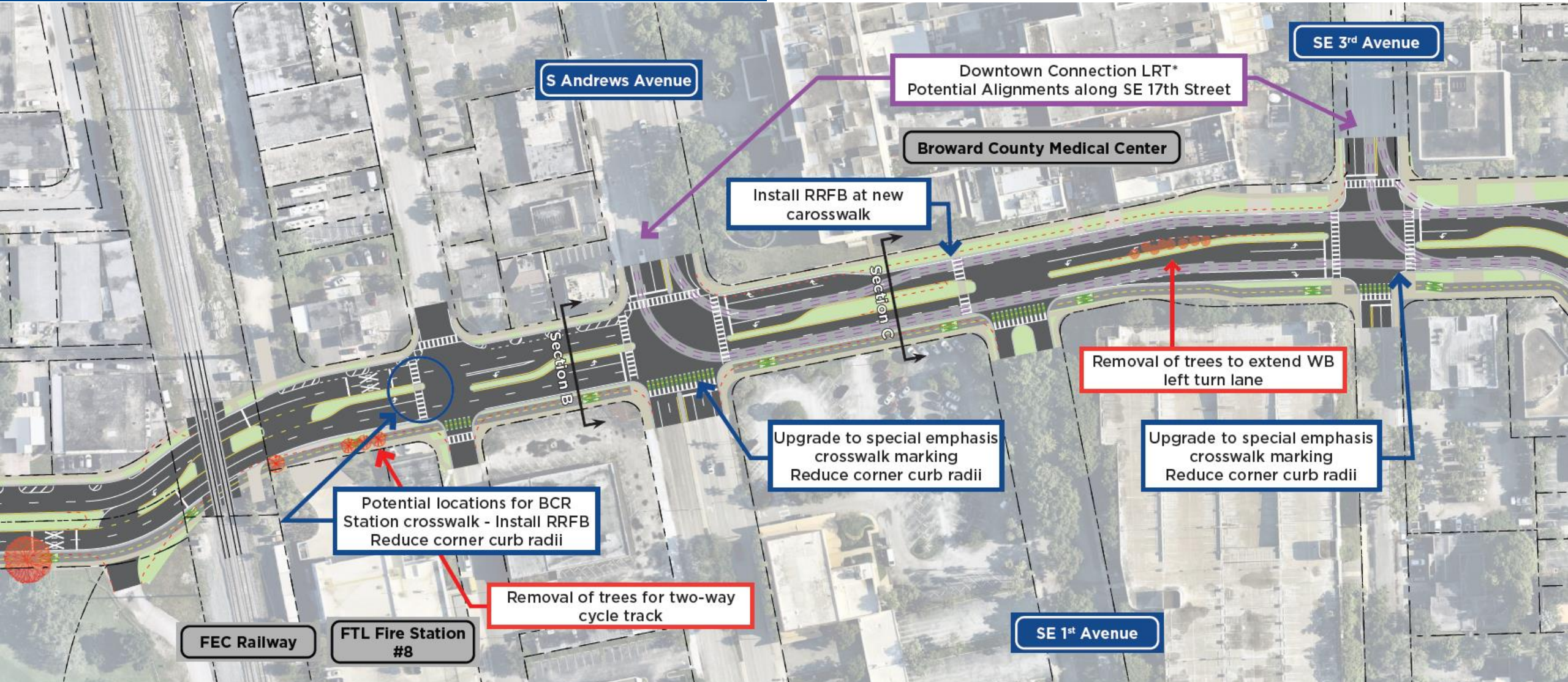
Proposed Alternative 2



Westbound SW 17th Street

Eastbound SW 17th Street

FEC Railway to SE 3rd Avenue



FEC Railway

FTL Fire Station #8

S Andrews Avenue

Downtown Connection LRT*
Potential Alignments along SE 17th Street

Broward County Medical Center

SE 3rd Avenue

Install RRFB at new
crosswalk

Removal of trees to extend WB
left turn lane

Upgrade to special emphasis
crosswalk marking
Reduce corner curb radii

Upgrade to special emphasis
crosswalk marking
Reduce corner curb radii

Potential locations for BCR
Station crosswalk - Install RRFB
Reduce corner curb radii

Removal of trees for two-way
cycle track

SE 1st Avenue



- : Potential Removal of Trees
- : Proposed LRT Infrastructure

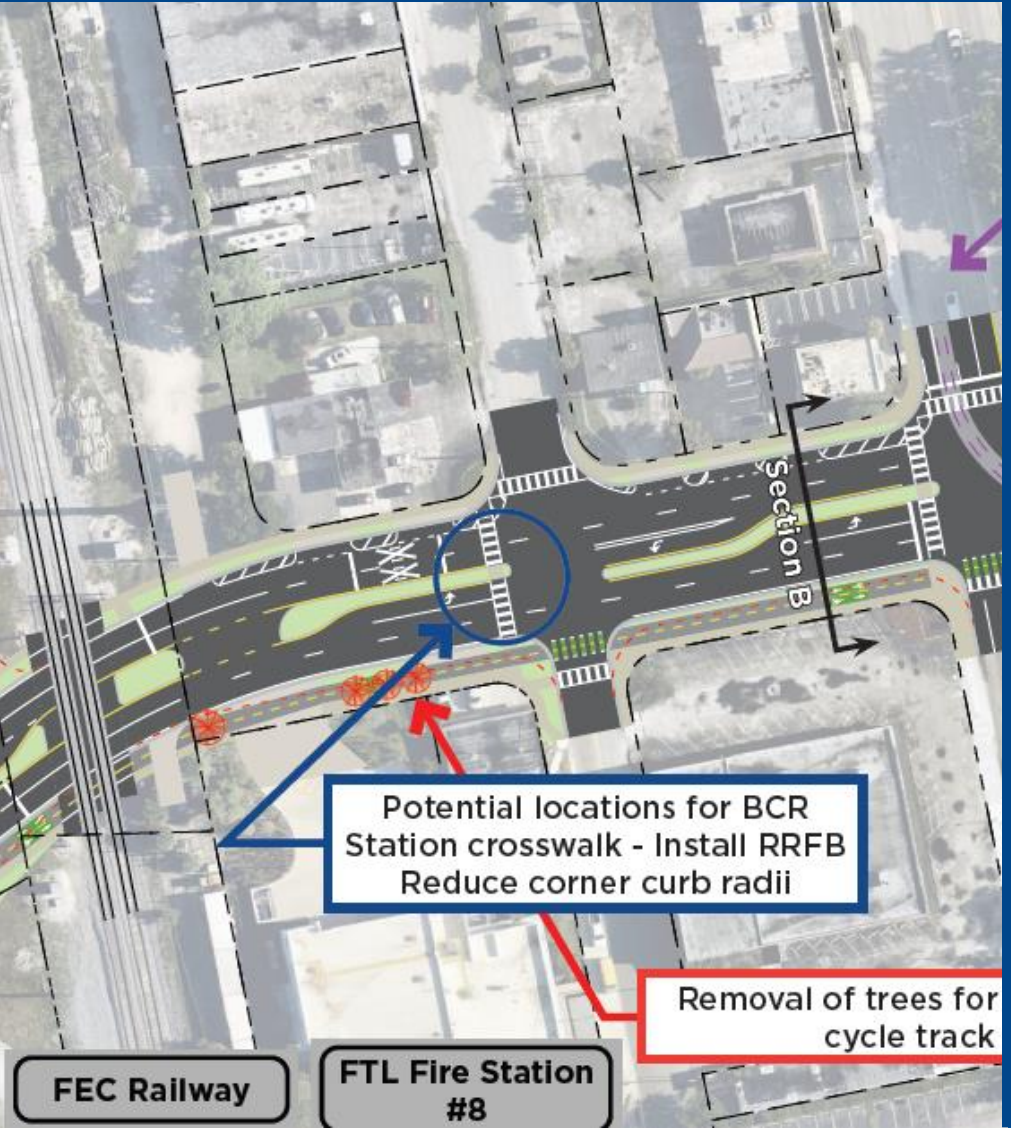
- : Property/ROW line
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- : Road pavement
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- : Sidewalk
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Location Map

Between FEC Railway and S Andrews Ave Section B

Existing Conditions

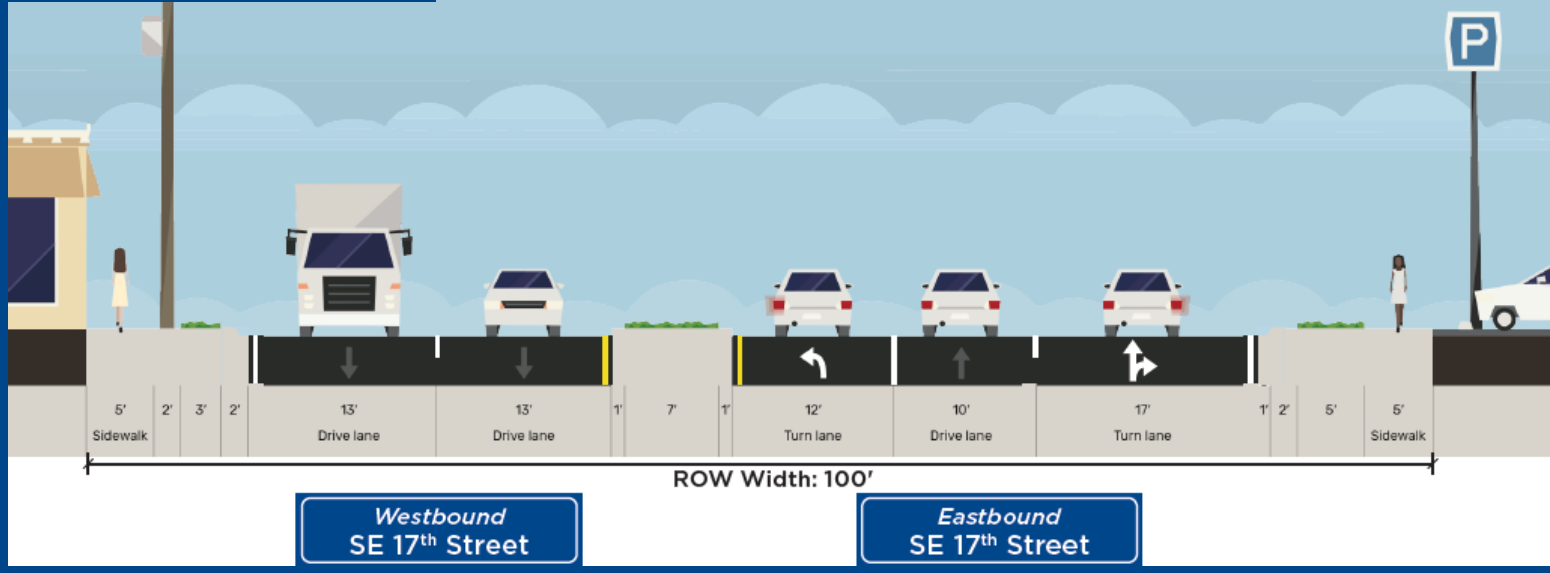


Potential locations for BCR Station crosswalk - Install RRFB
Reduce corner curb radii

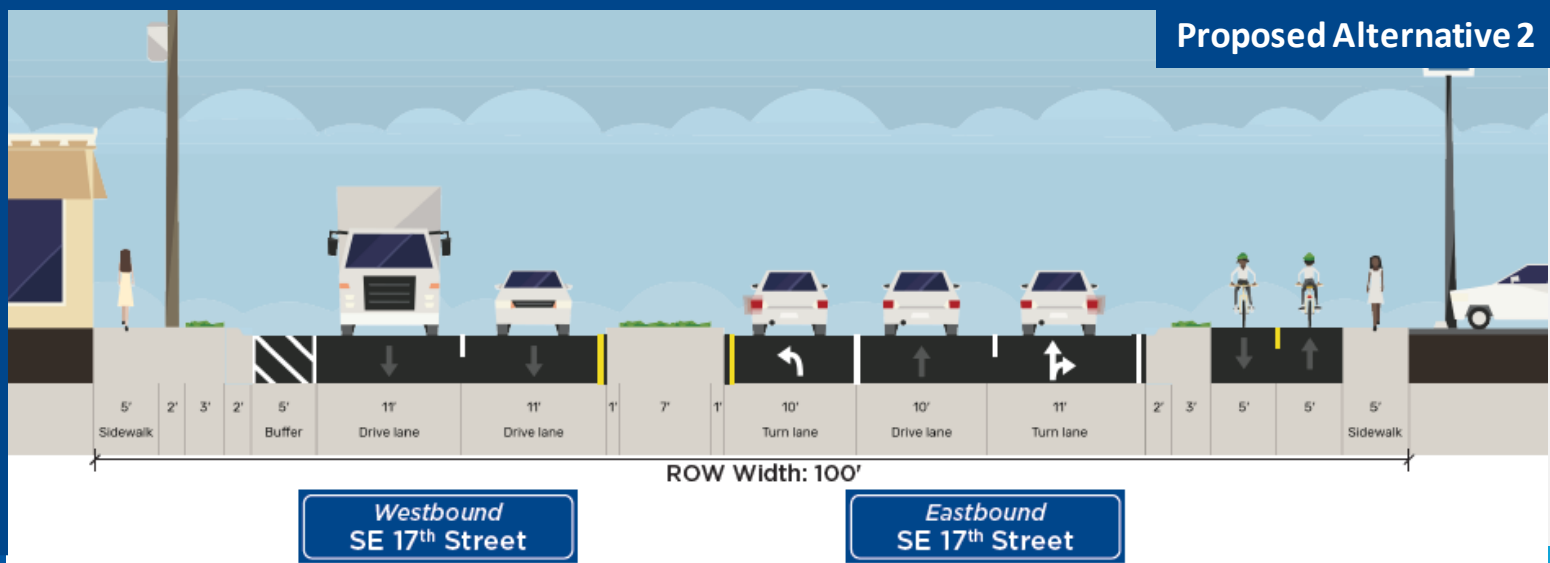
Removal of trees for cycle track

FEC Railway

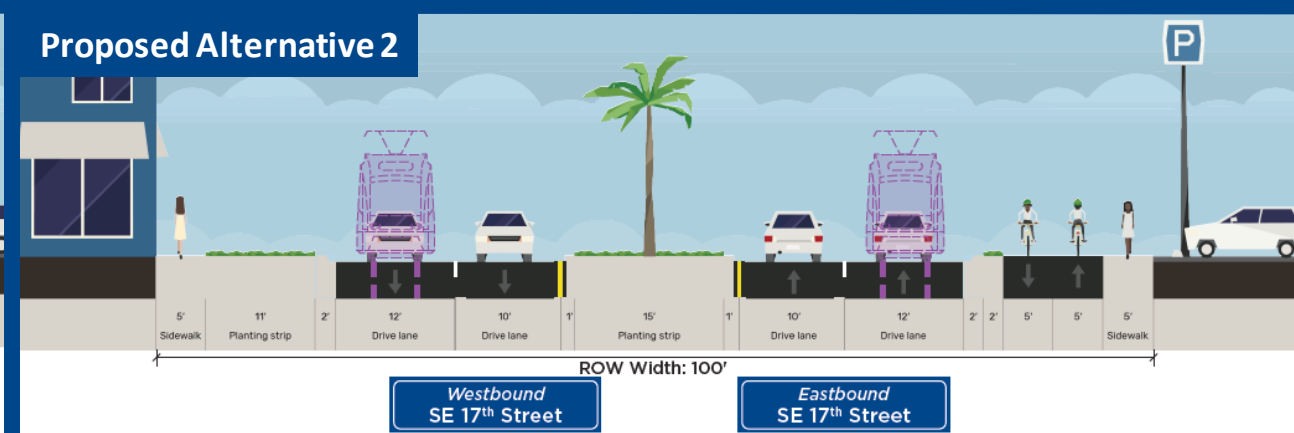
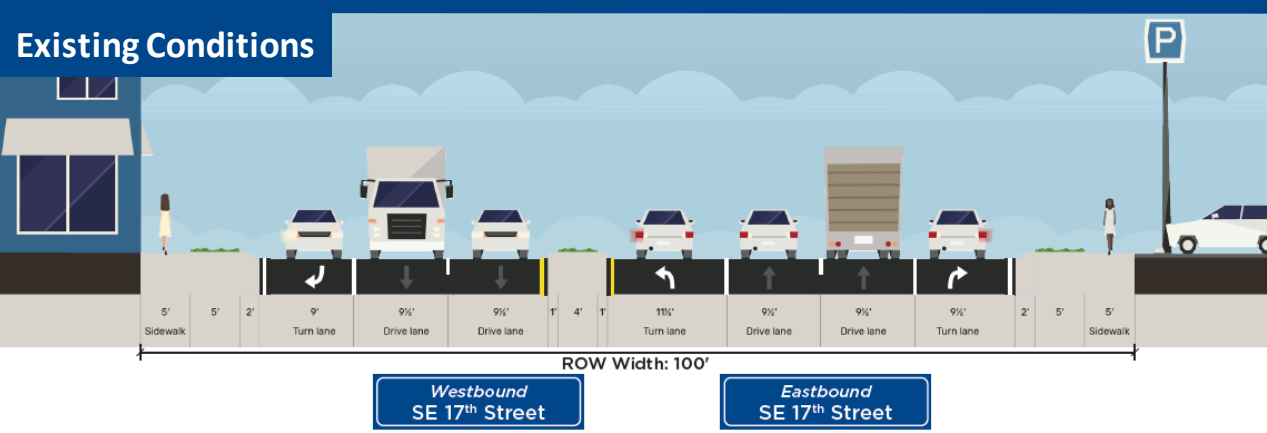
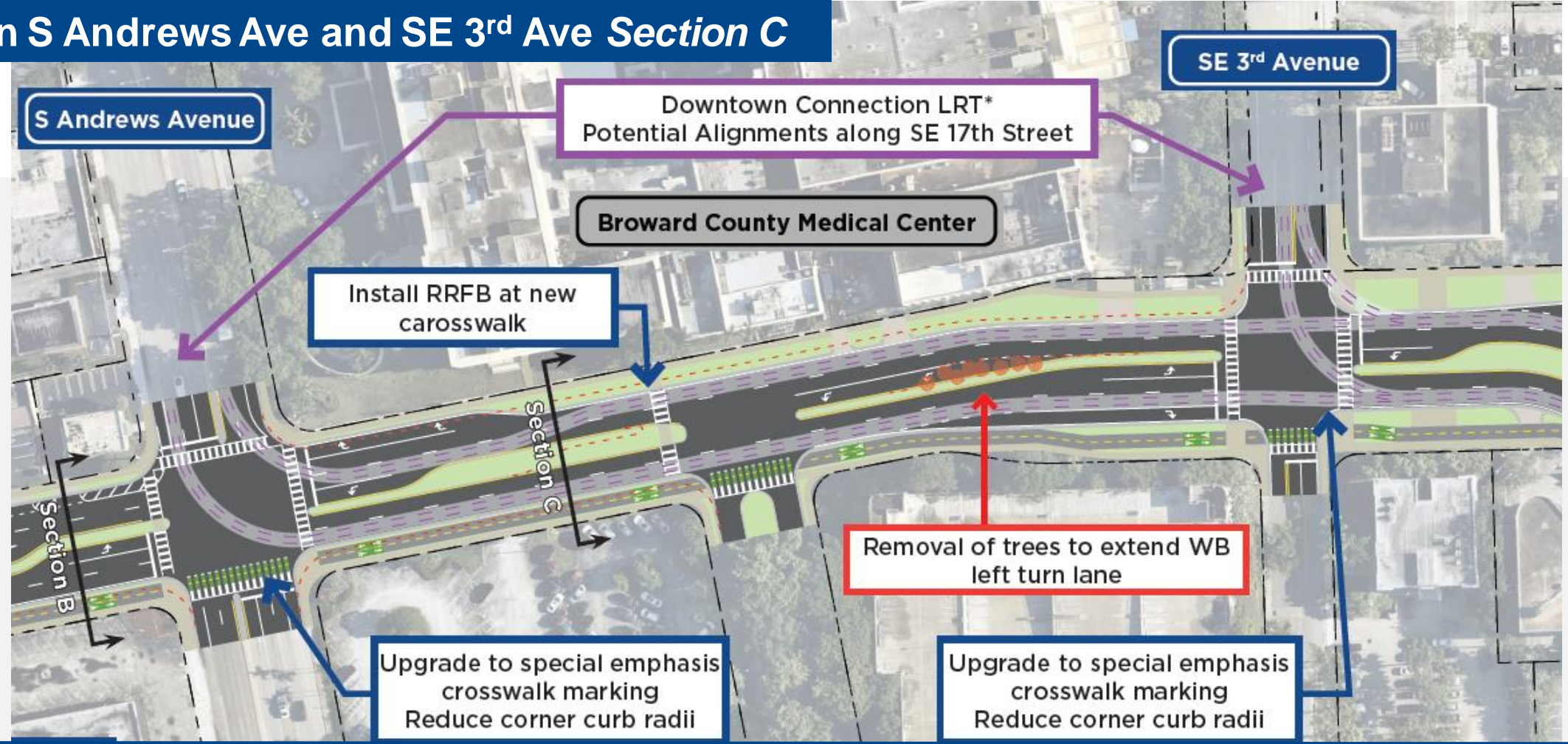
FTL Fire Station #8



Proposed Alternative 2



Between S Andrews Ave and SE 3rd Ave Section C



SW 9 Av to west of SW 4 Av

17TH ST



SW 9 Av to west of SW 4 Av



- : Property/ROW line
- : Location of existing pavement
- : Road pavement
- : Sharrows
- : Mini-Roundabout
- : Fill in Sidewalk Gaps
- : Potential Removal of Trees



Location Map