

Mobility Hub
at SW/SE

17TH ST

Project Development



Agenda

- Project Background
- Preliminary Alternatives
- Schedule
- Next Steps

Meeting Goals:

- ✓ Introduce Preliminary Alternatives to County Staff
- ✓ Hear Feedback on the alternatives
 - ✓ Removal of Lanes
 - ✓ Narrowing of Travel Lanes
 - ✓ Access Management
 - ✓ Raised Elements
 - ✓ Roadway Speeds
 - ✓ Fatal Flaws



Project Background: Goals and Objectives

GOAL

Produce a locally supported conceptual design for the segment of SW/SE 17th St, from SW 9th Avenue to US-1, that provides safe and comfortable bicycle and pedestrian facilities complementing the proposed Broward Commuter Rail Station.

Objectives:

- Enhanced bicycle and pedestrian safety.
- Increase Walkability and Accessibility.
- Increase connectivity from residential areas, businesses and schools to transit.



Project Background: Project Assumptions

- The proposed PREMO Light Rail Transit along this corridor is represented as **at-grade, mixed traffic curbside LRT** with a 12-foot outside lane as the potential transit envelope.
- New Proposed Crossings will be considered as **Raised Crossings**
 - Both Alternatives show crossings at the same locations
- Looking at opportunities to **extend median** noses for pedestrian refuge islands
- Inside lanes for alternatives will be proposed as **10-foot inside lanes**, per city request
- Other considerations that will be made throughout the roadway are:
 - Landscaping/hardscaping
 - Lighting
 - ADA compliant facilities
 - Pavement markings
 - Signage
- This project does **NOT** include any improvements to the FEC property

Example of potential hardscaping treatments with trees



SW 4 Ave to US-1 Alternative 1

Raised bike lane on both sides of roadway

17TH ST

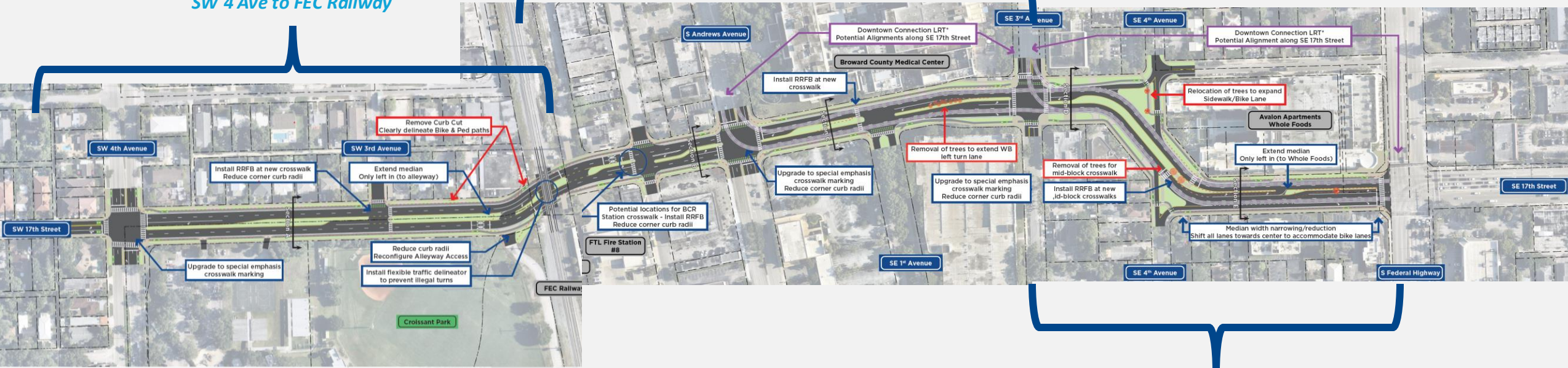


Alternative 1

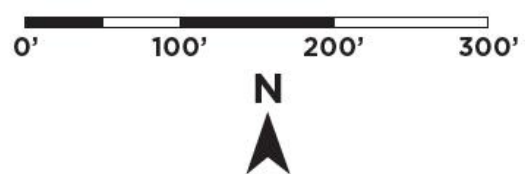
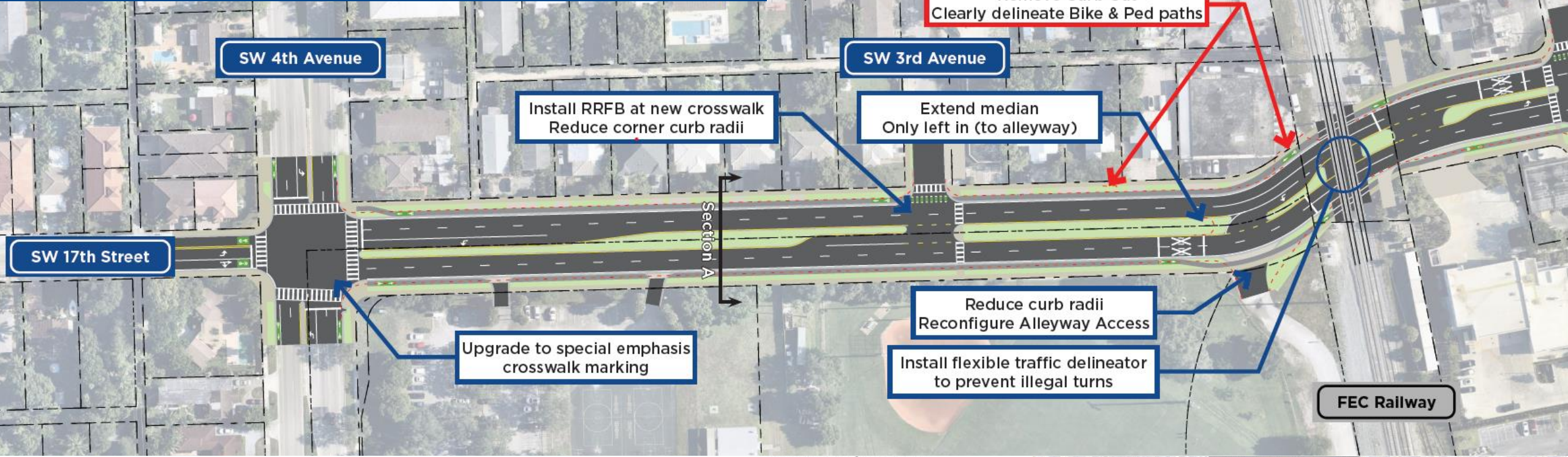
Segment 2 SW 4 Ave to FEC Railway

Segment 3 FEC Railway to SE 3 Ave

Segment 4 SE 3 Ave to US-1



SW 4 Av to FEC Railway Section A

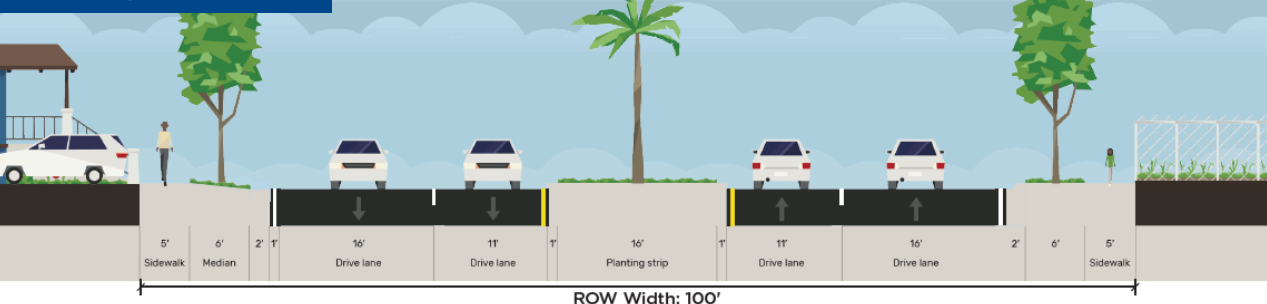


- : Property/ROW line
- : Location of existing pavement
- : Road pavement
- : Bike Lane
- : Sidewalk
- : Landscaping Area
- : Potential Removal of Trees
- : Proposed LRT Infrastructure



Location Map

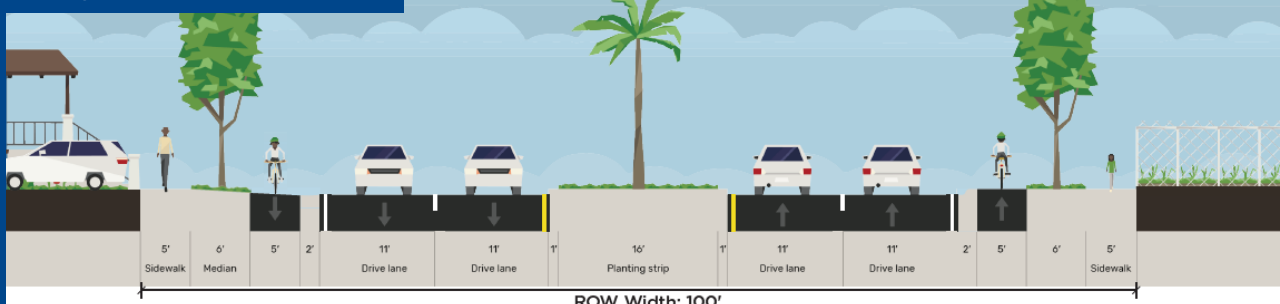
Existing Conditions



Westbound SW 17th Street

Eastbound SW 17th Street

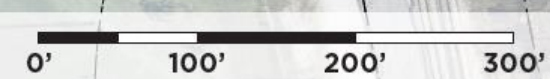
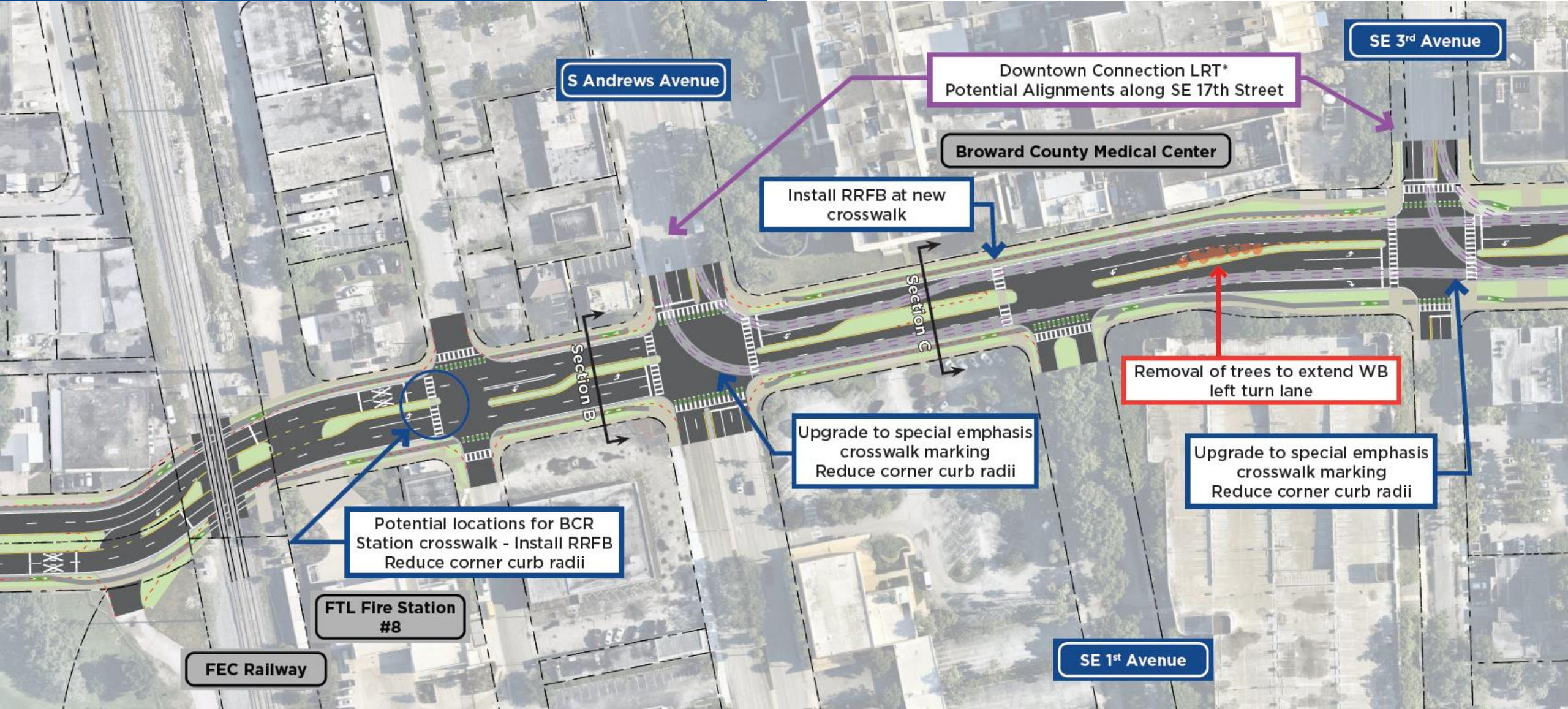
Proposed Alternative 1



Westbound SW 17th Street

Eastbound SW 17th Street

FEC Railway to SE 3rd Avenue



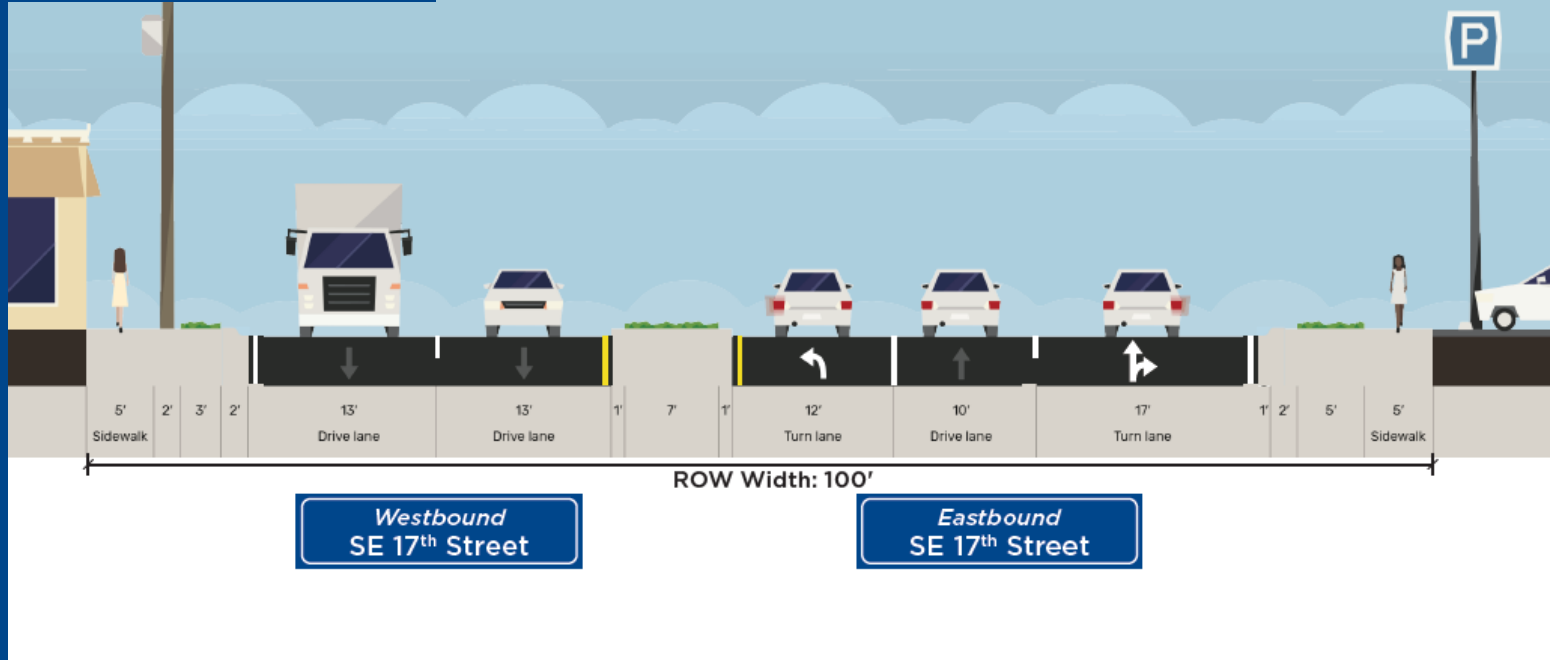
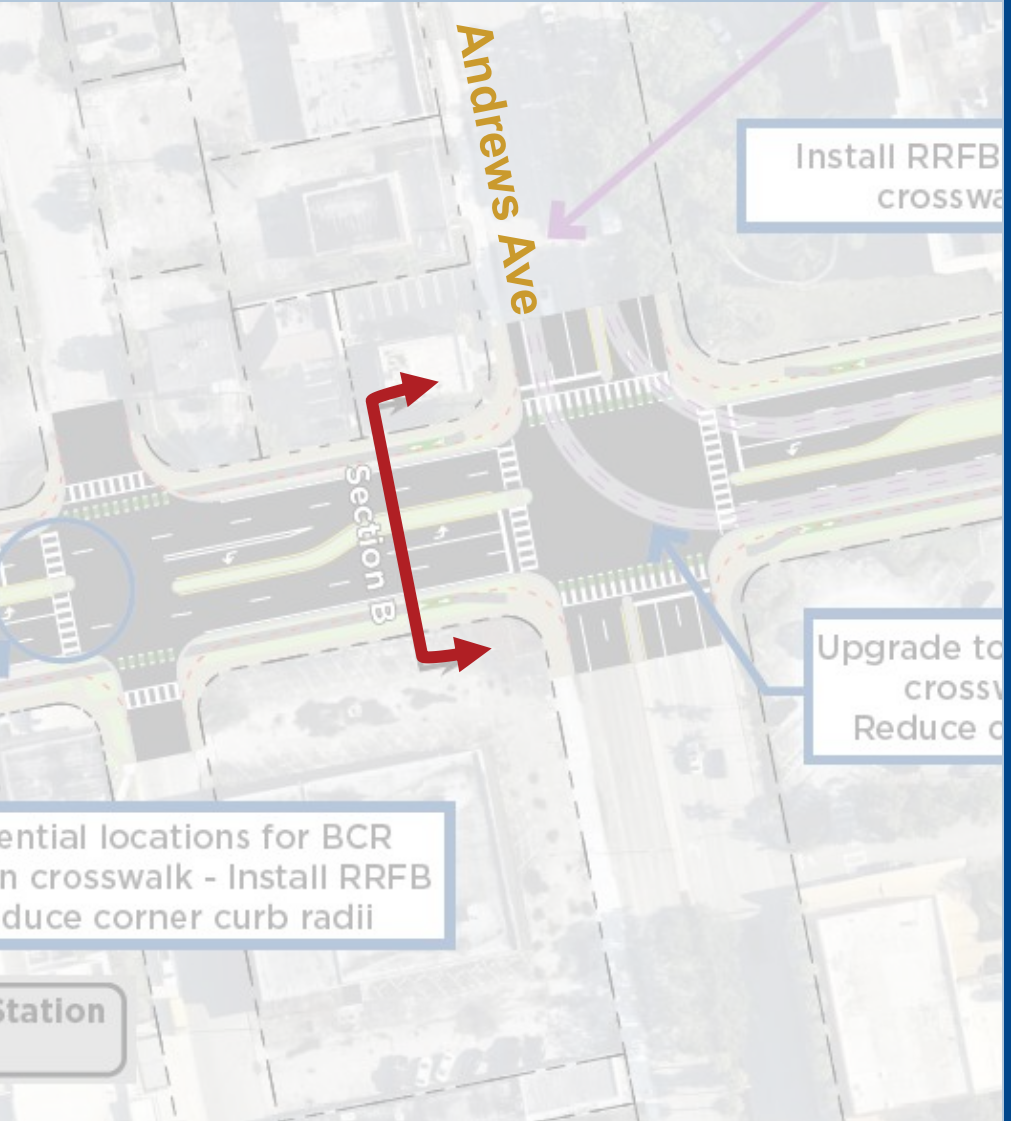
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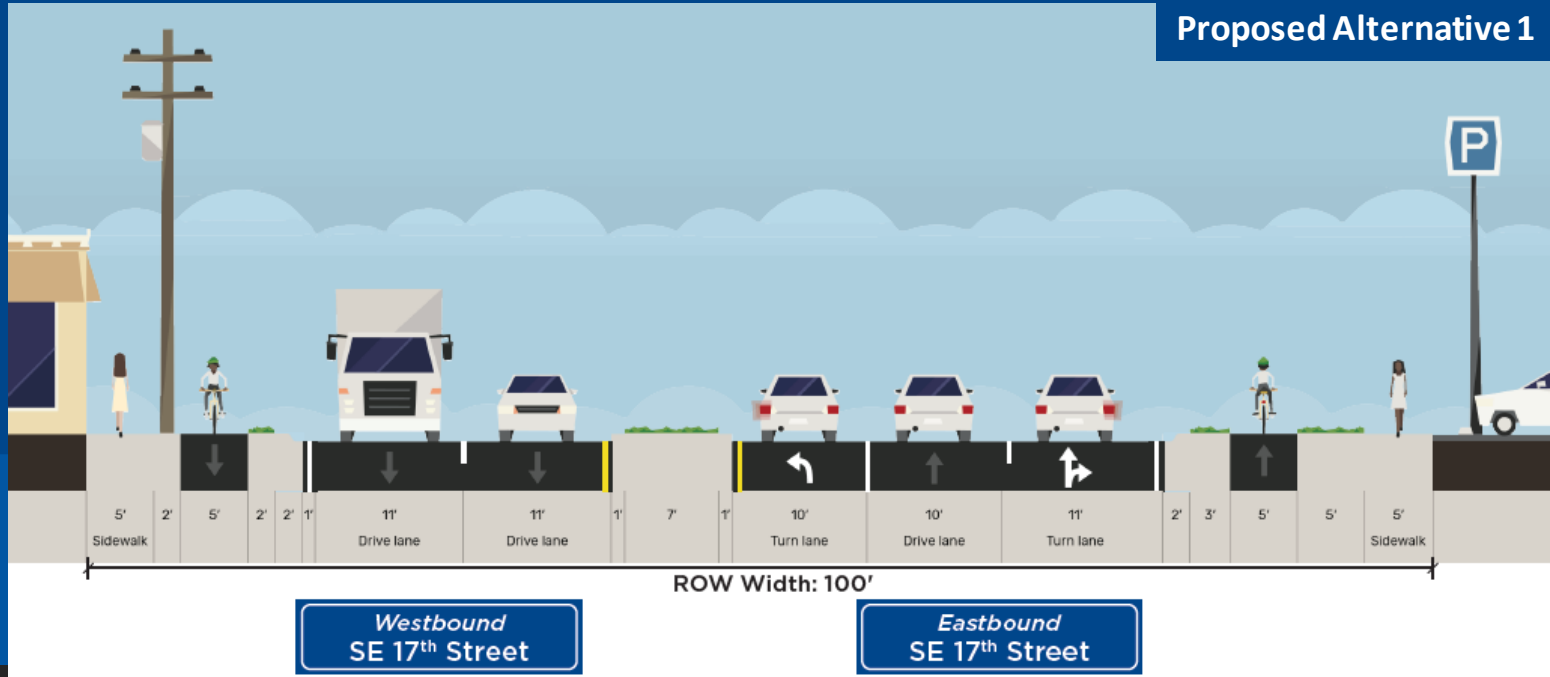
Location Map

Between FEC Railway and S Andrews Ave Section B

Existing Conditions

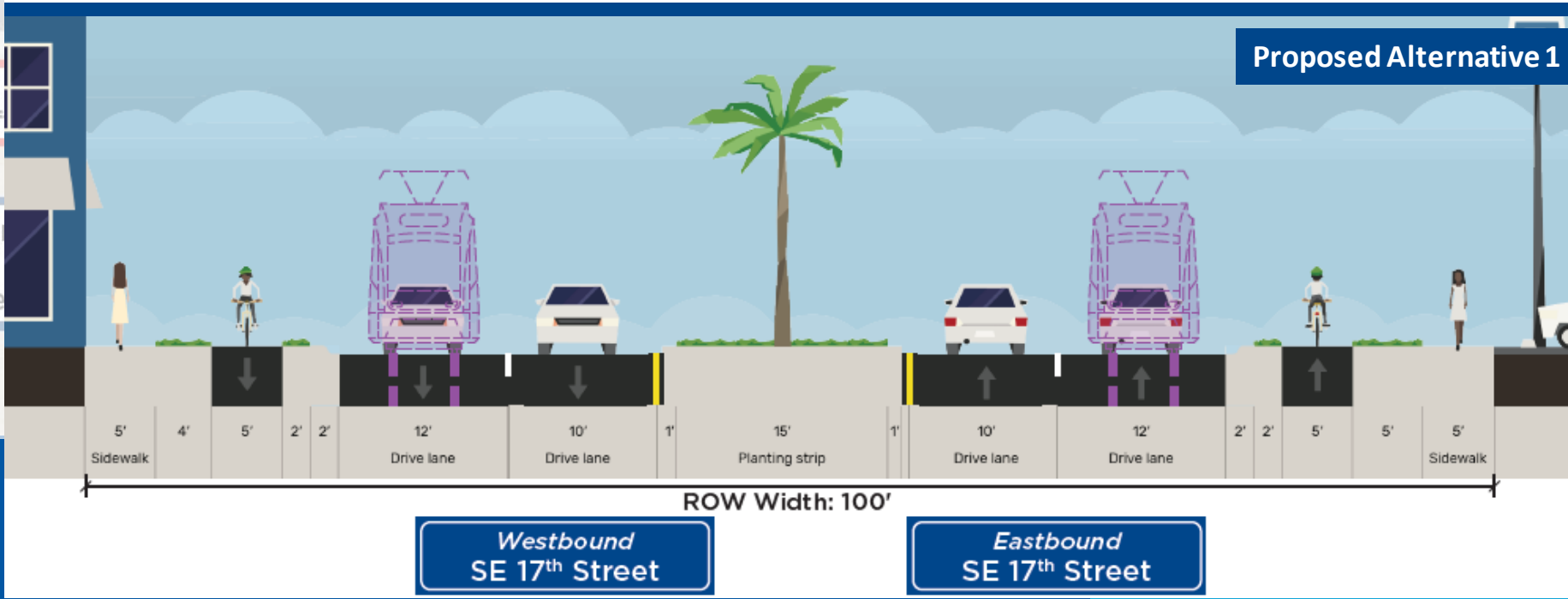
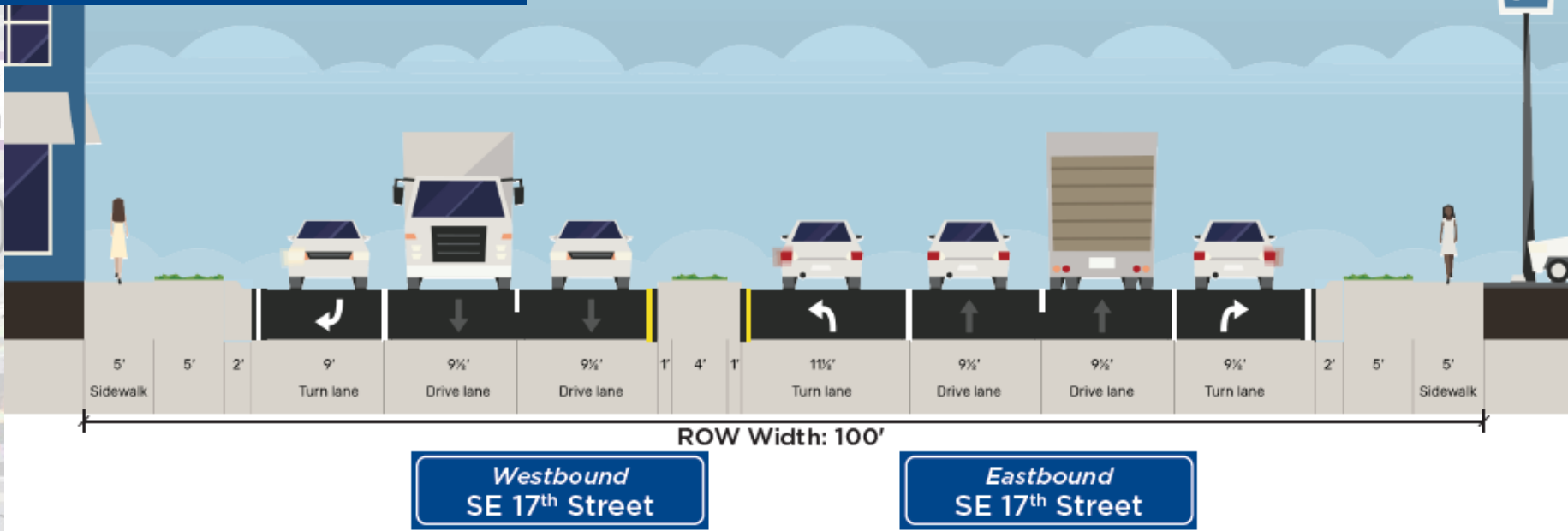
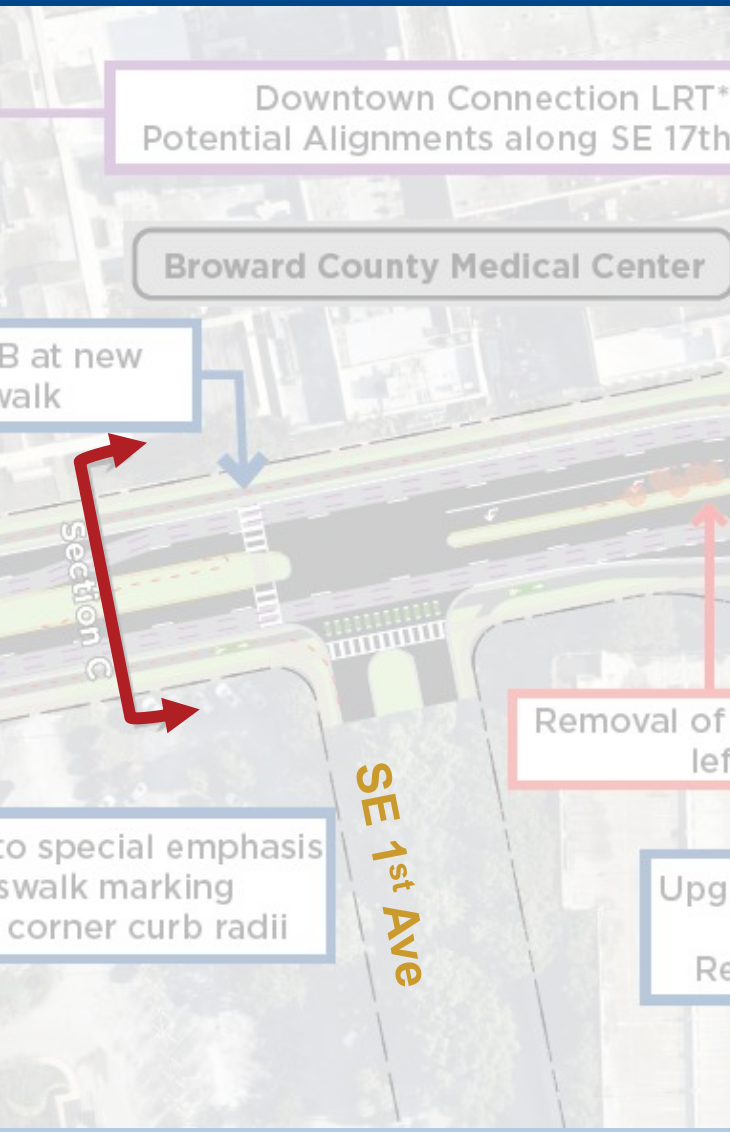


Proposed Alternative 1



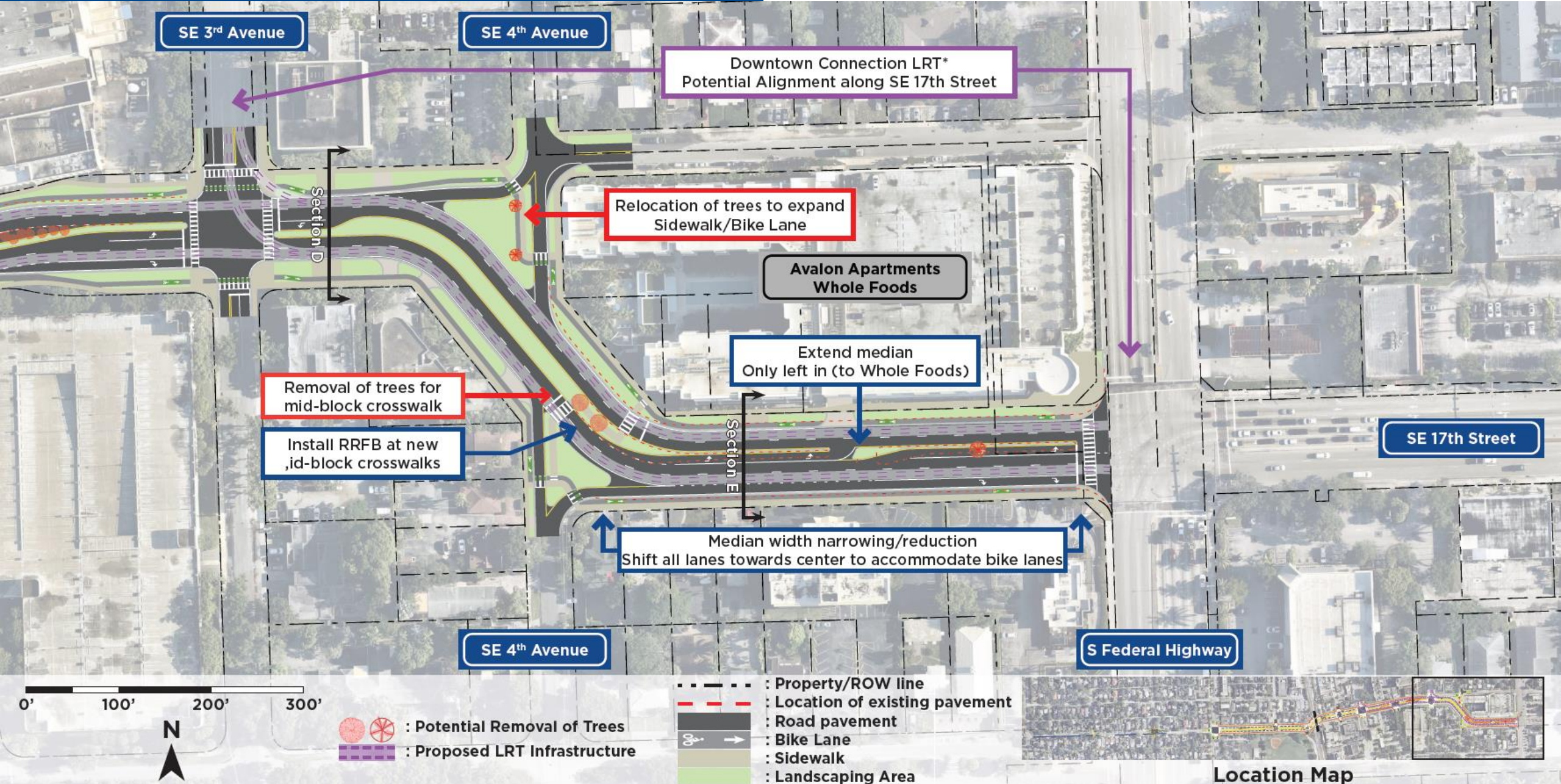
Between S Andrews Ave and SE 3rd Ave Section C

Existing Conditions



Proposed Alternative 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

SE 17th Street

Median width narrowing/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

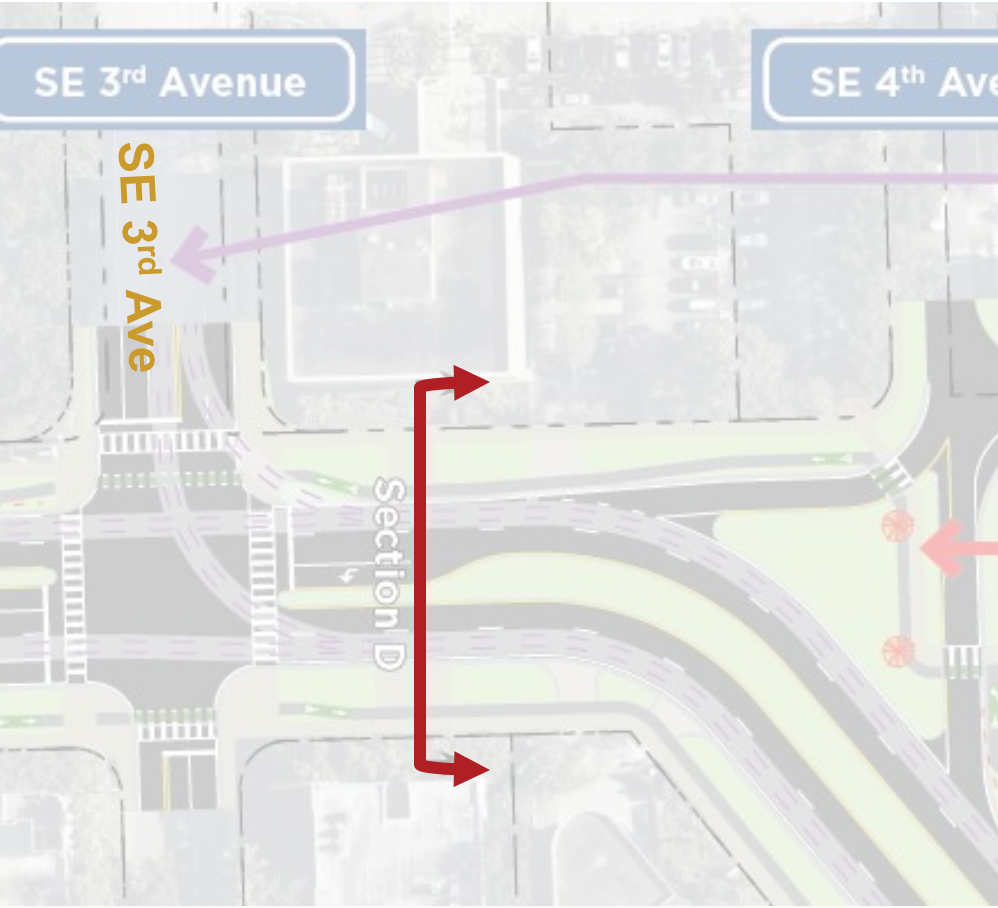


PARKING

FRESH FOODS MARKET

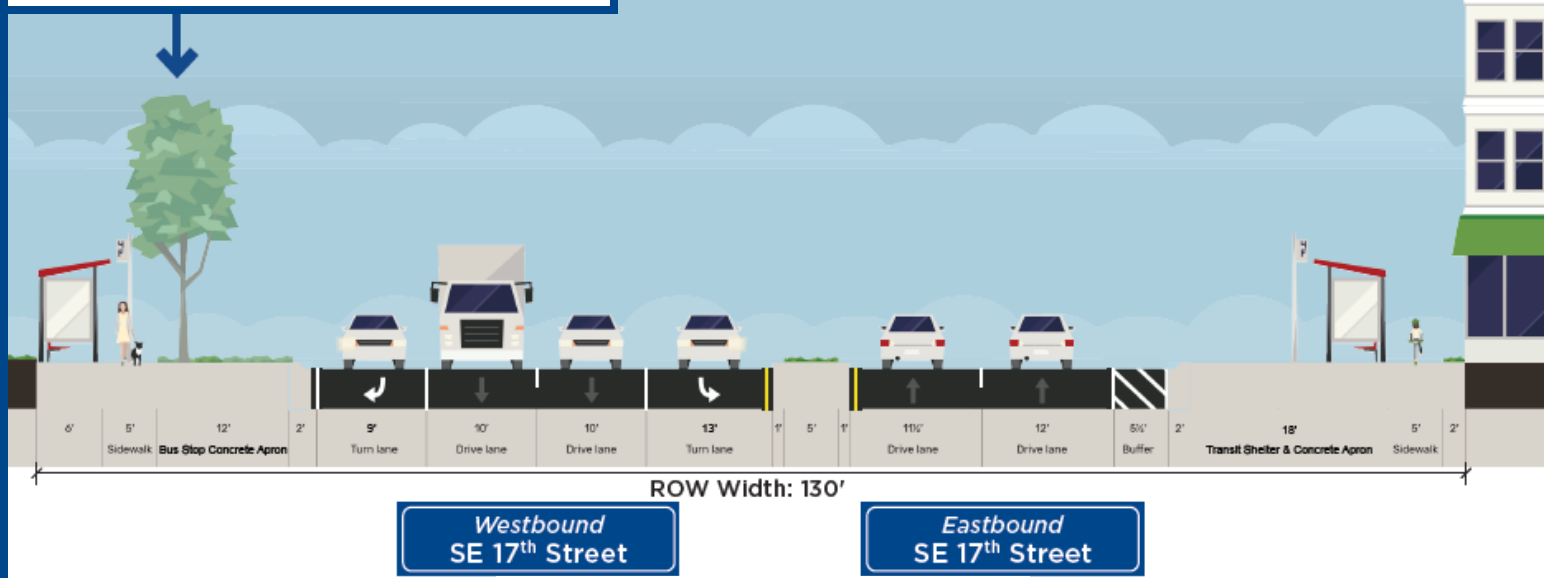


West of SE 4 Ave Section D

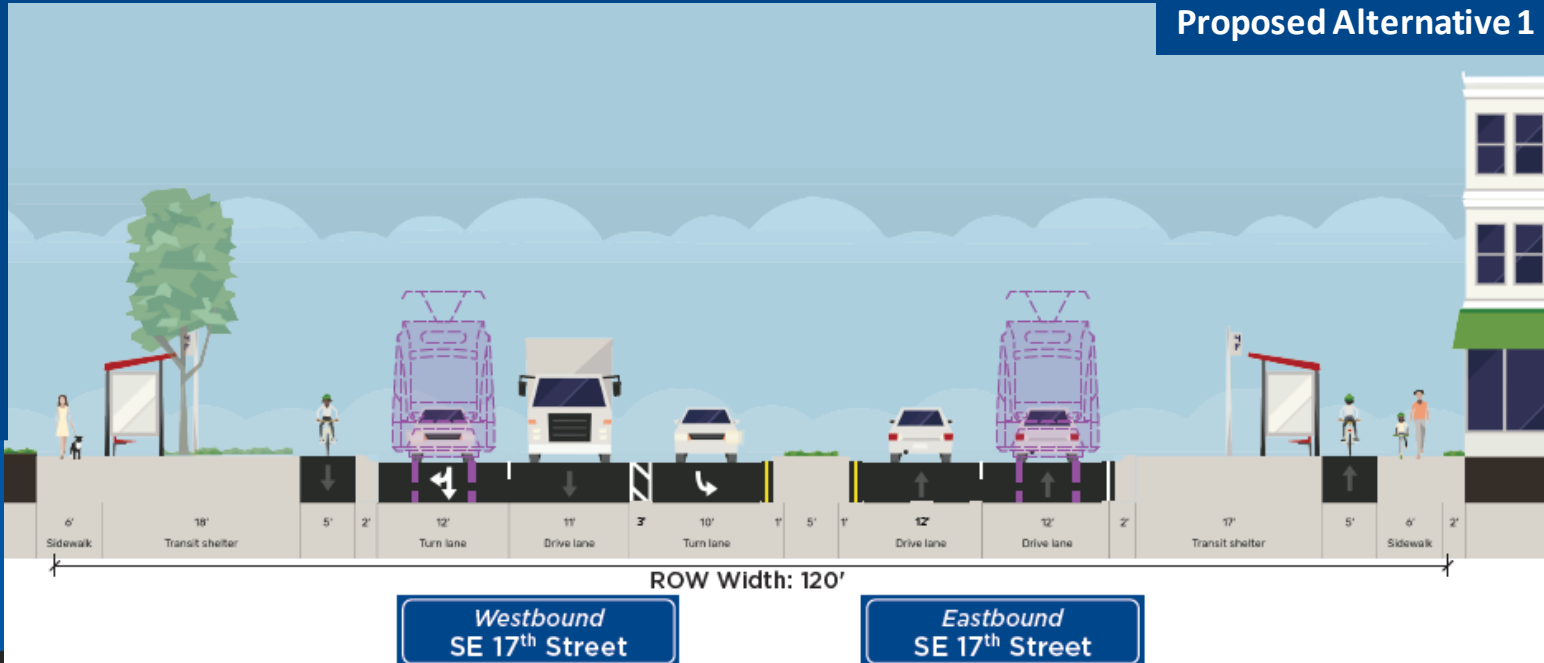


Trees are 'behind' the transit shelter
Approximate location of existing trees

Existing Conditions



Proposed Alternative 1



SW 4 Ave to US-1 Alternative 2

2-way cycle track

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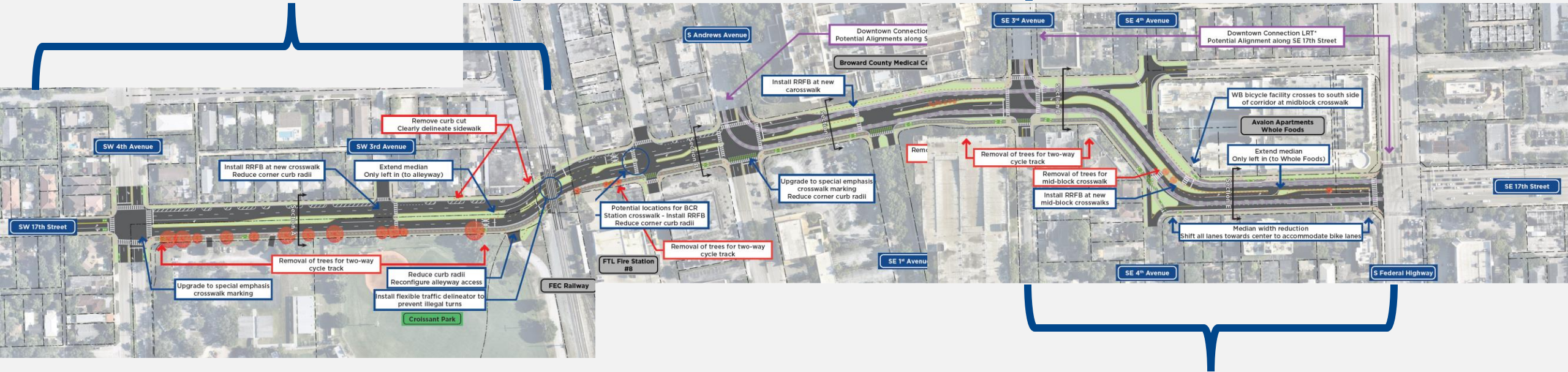


Alternative 2

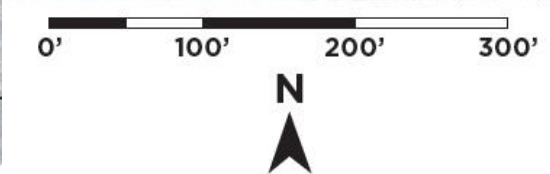
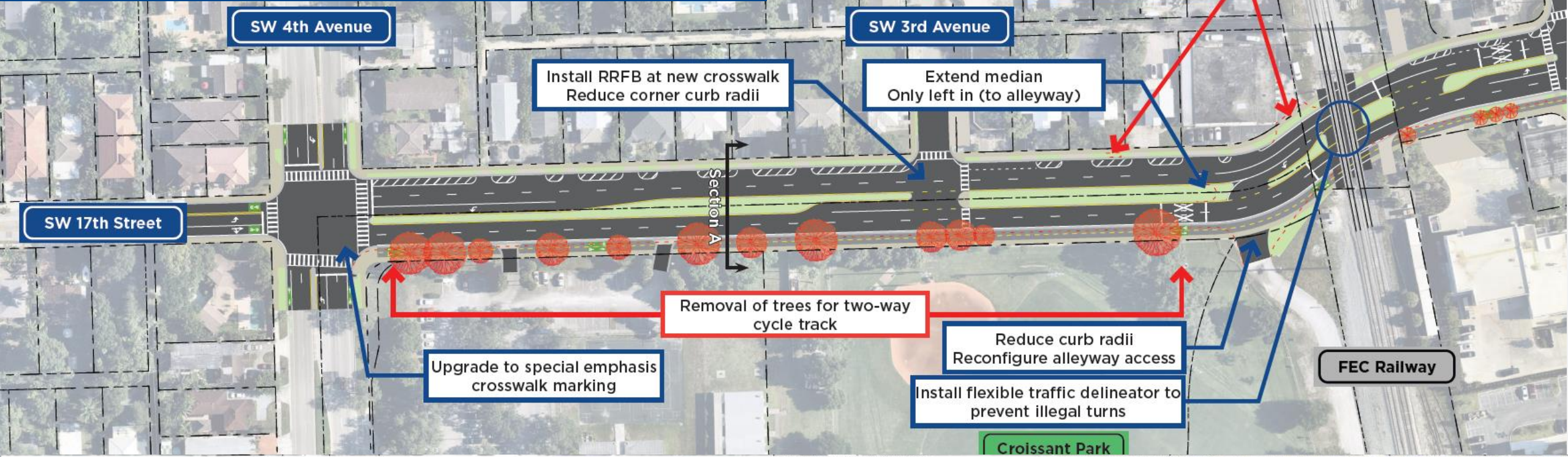
Segment 2
SW 4 Ave to FEC Railway

Segment 3
FEC Railway to SE 3 Ave

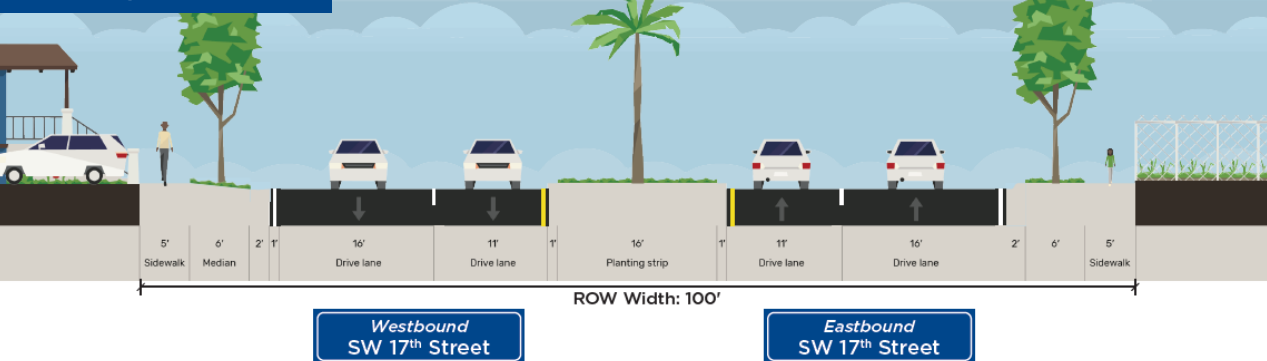
Segment 4
SE 3 Ave to US-1



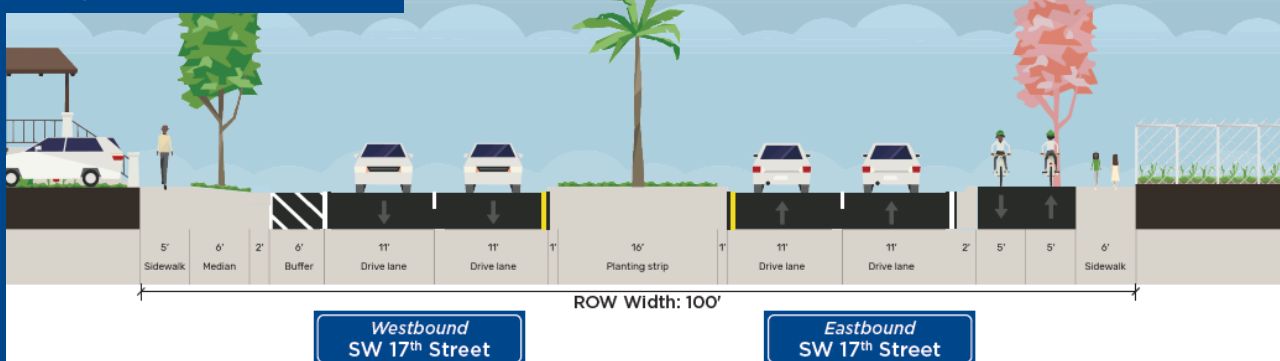
SW 4 Av to FEC Railway Section A



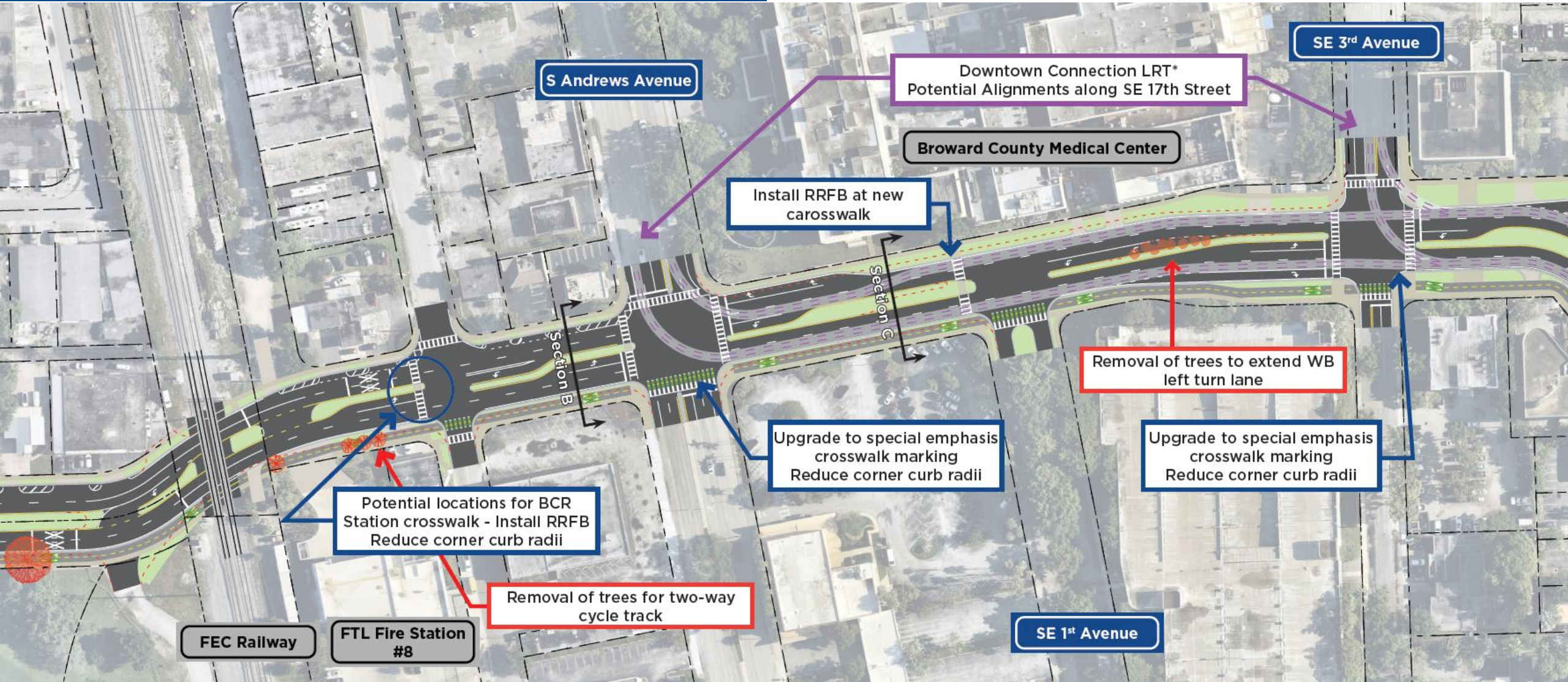
Existing Conditions





Proposed Alternative 2



FEC Railway to SE 3rd Avenue



-  : Potential Removal of Trees
-  : Proposed LRT Infrastructure

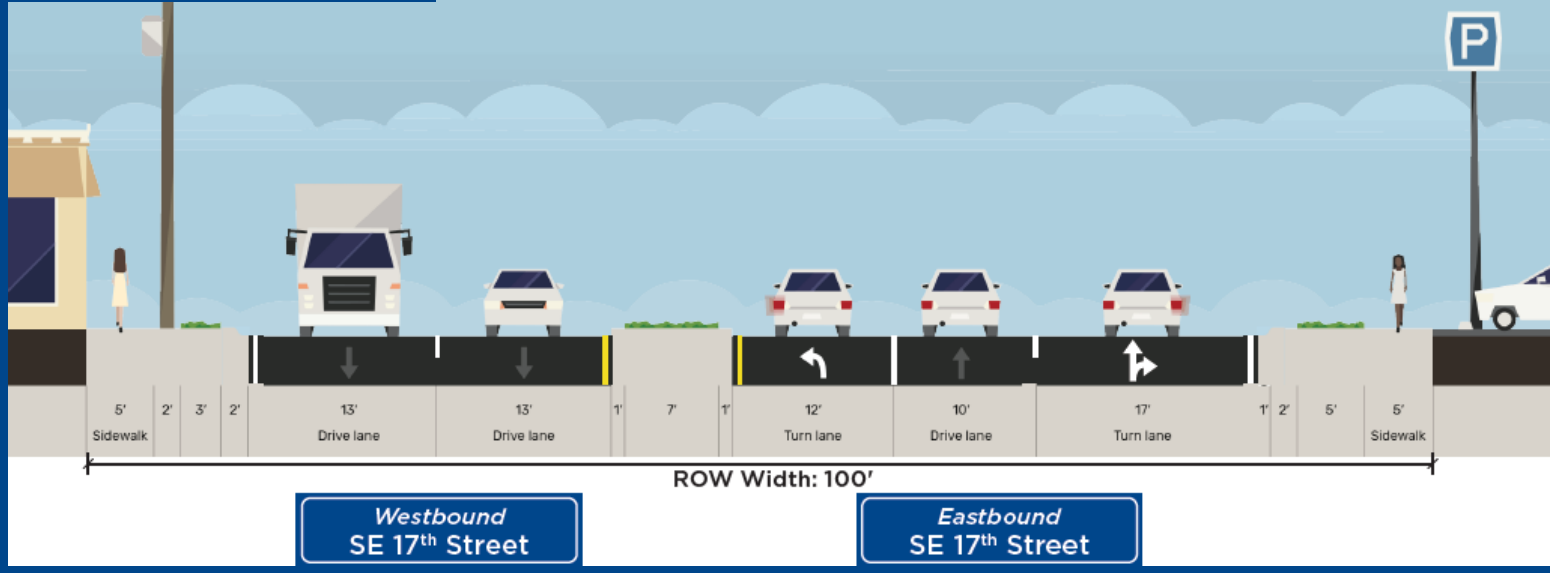
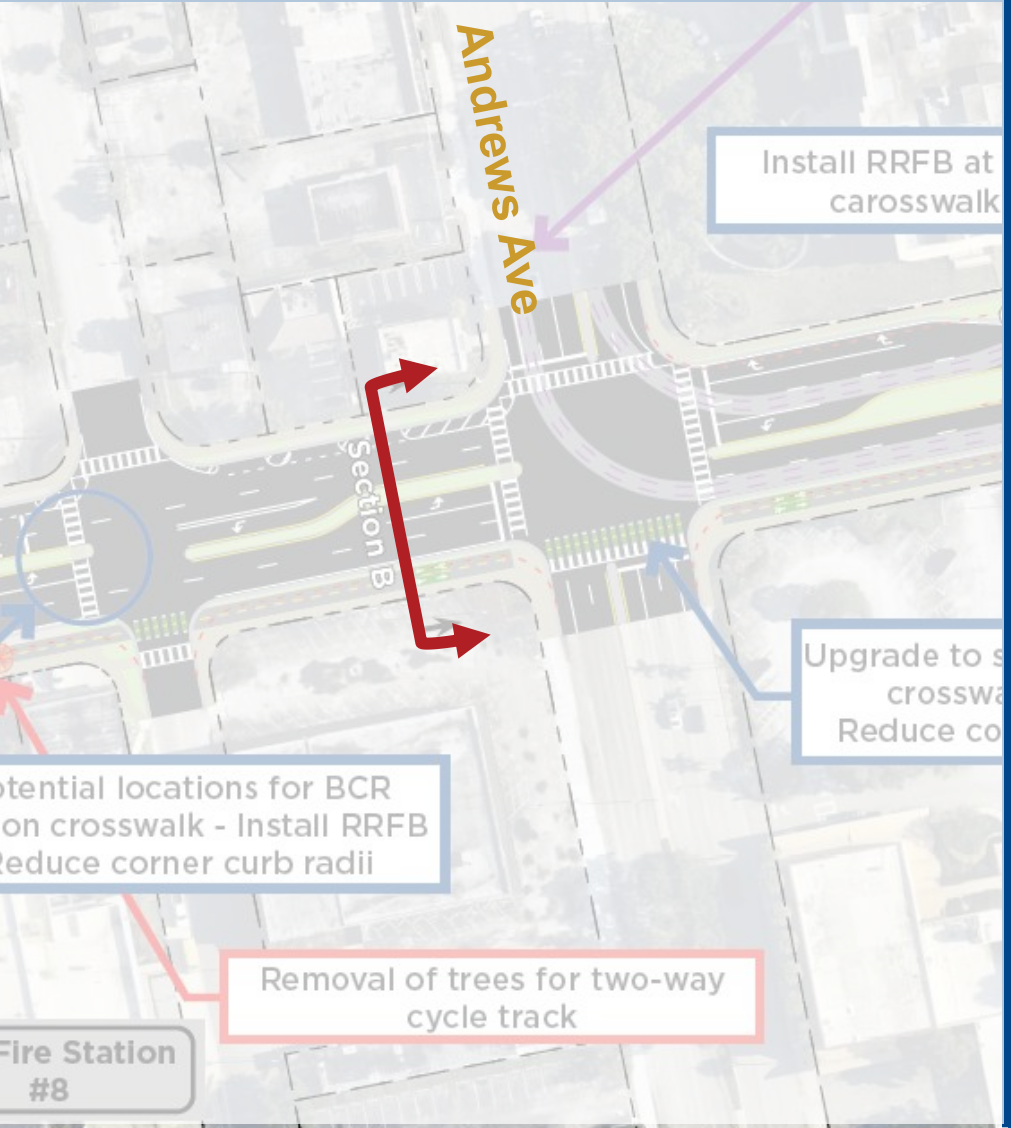
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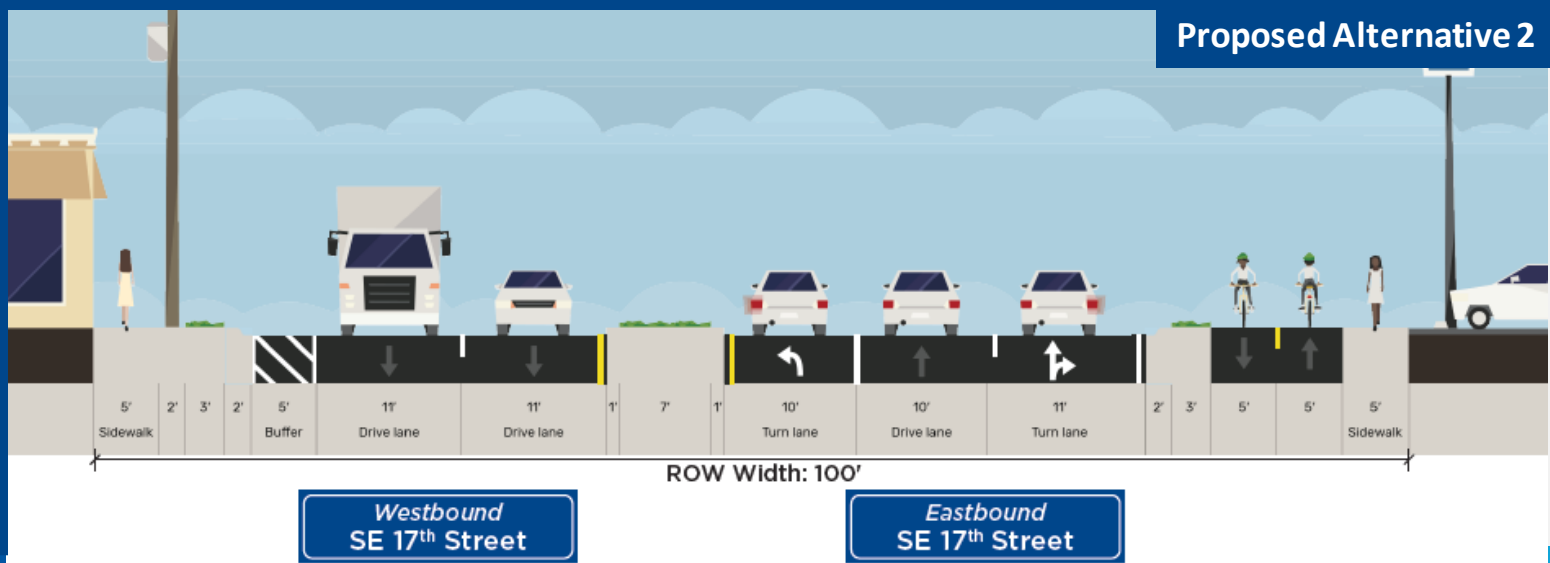
Location Map

Between FEC Railway and S Andrews Ave Section B

Existing Conditions

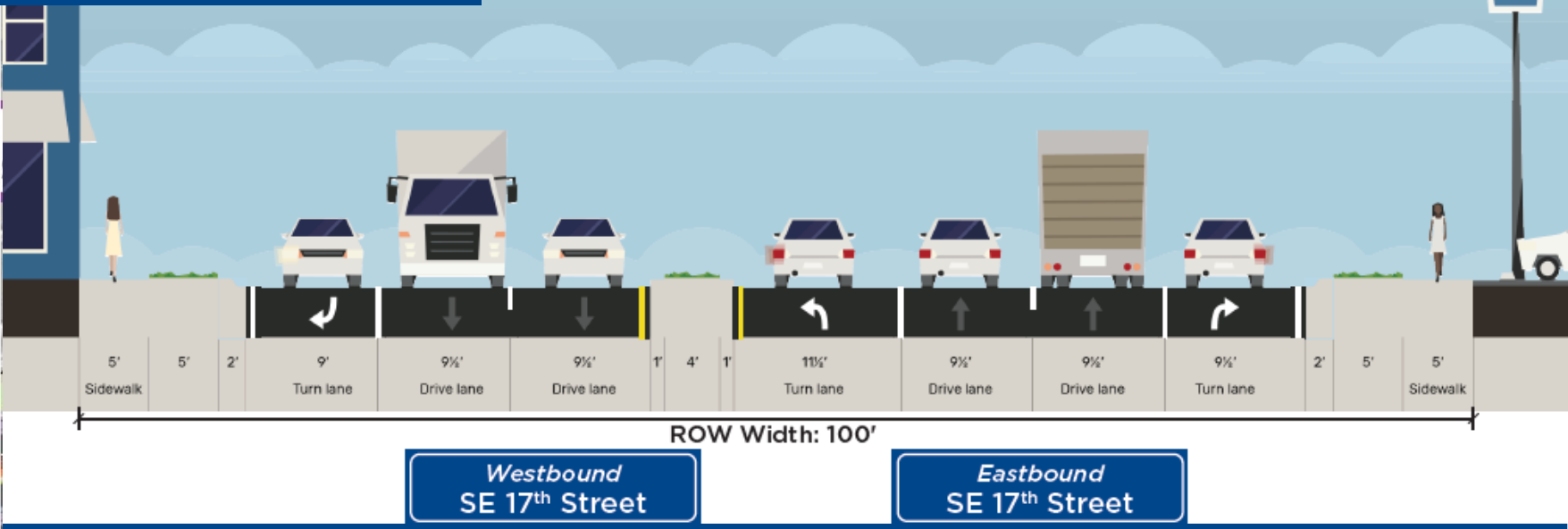
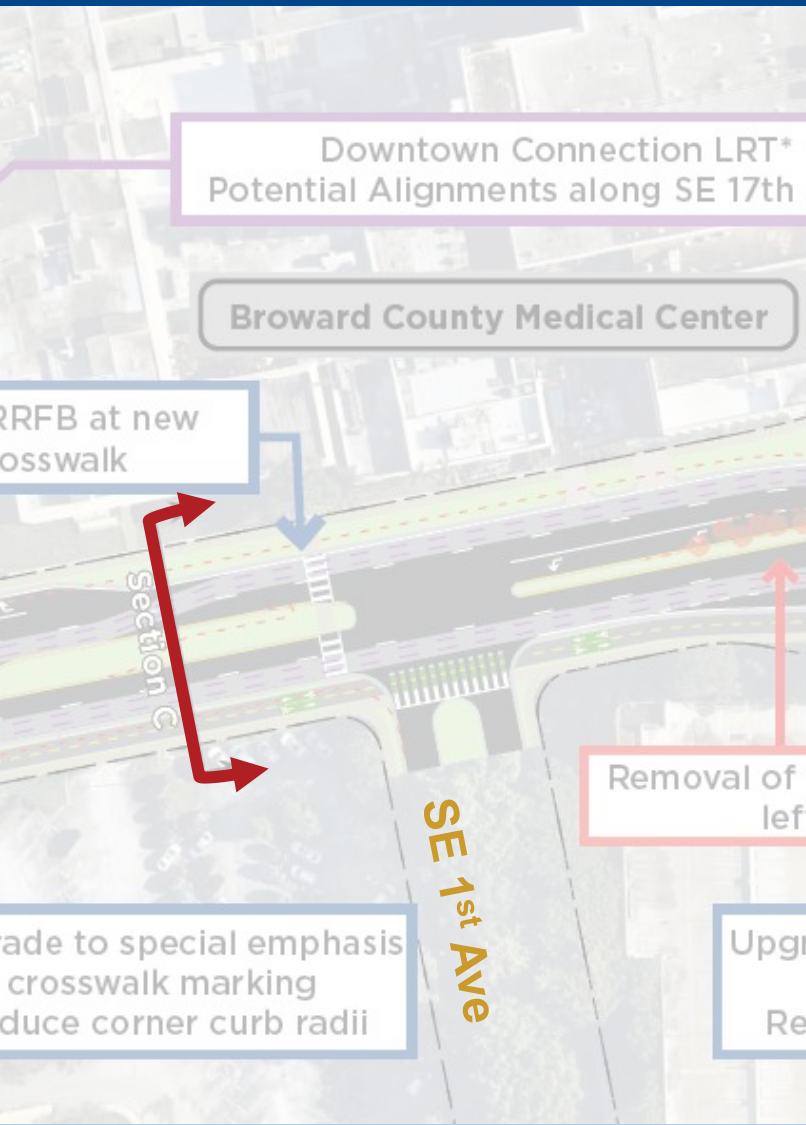


Proposed Alternative 2

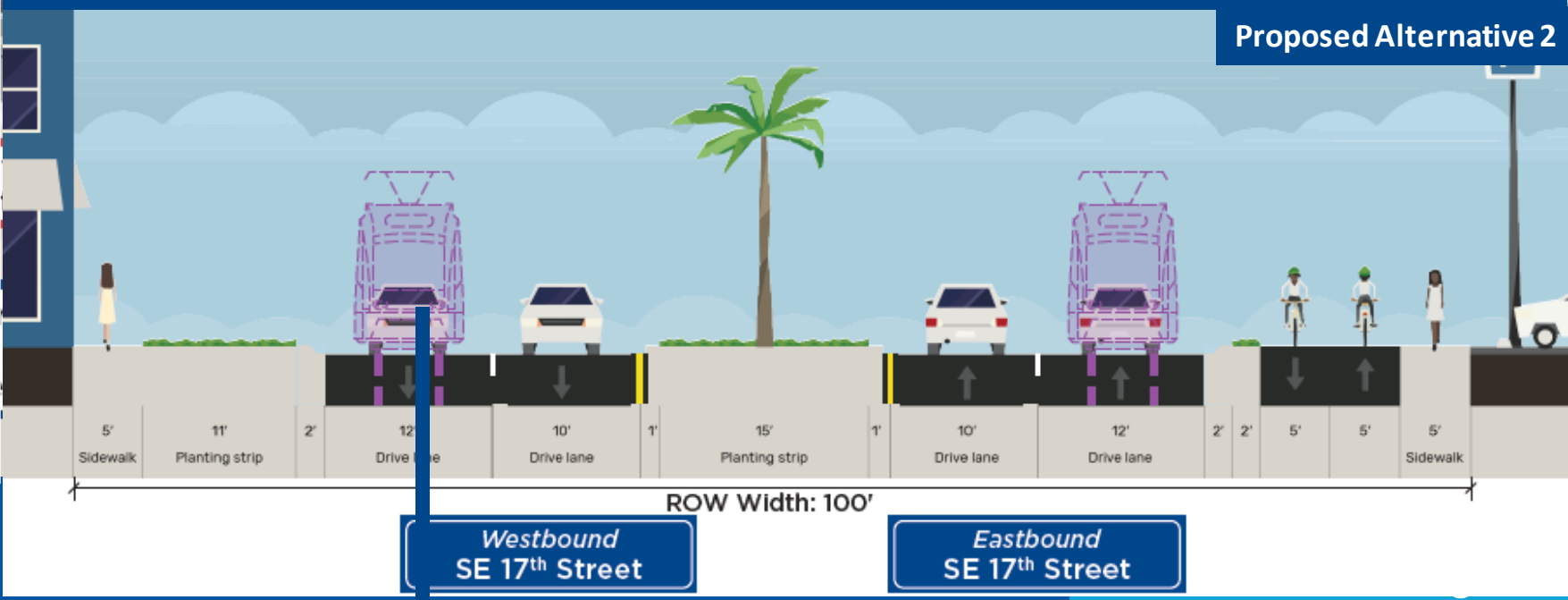


Between S Andrews Ave and SE 3rd Ave Section C

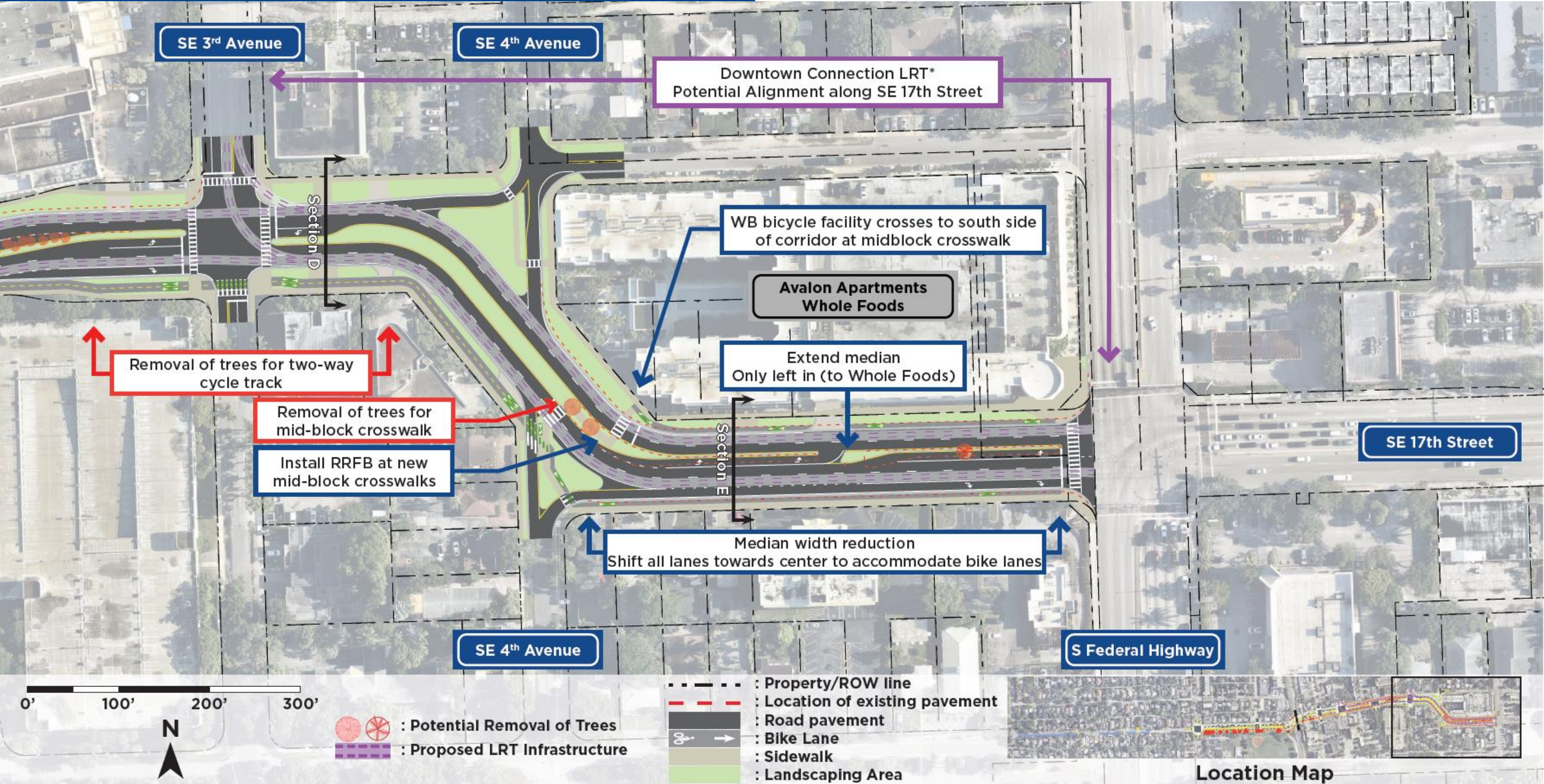
Existing Conditions



Proposed Alternative 2



SE 3rd Avenue to US-1



SE 3rd Avenue

SE 4th Avenue

Downtown Connection LRT*
Potential Alignment along SE 17th Street

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

Avalon Apartments
Whole Foods

Extend median
Only left in (to Whole Foods)

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
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- : Bike Lane
- : Sidewalk
- : Landscaping Area



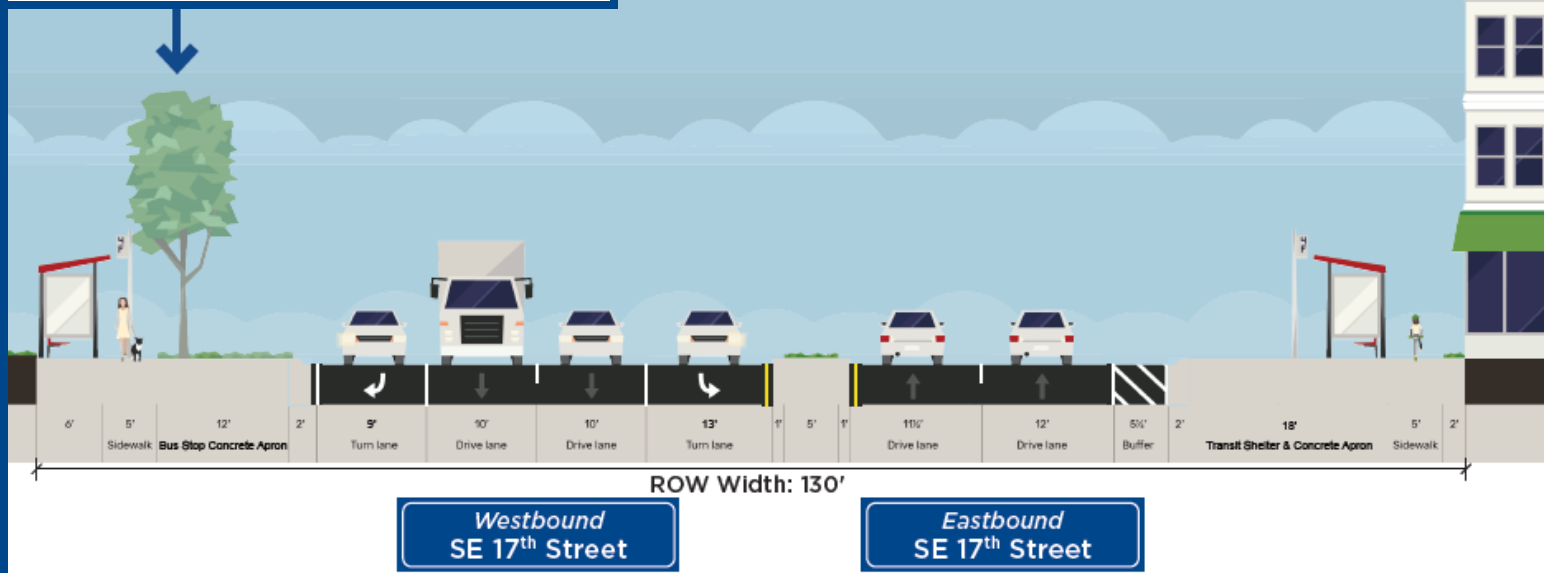
Location Map

West of SE 4 Ave Section D

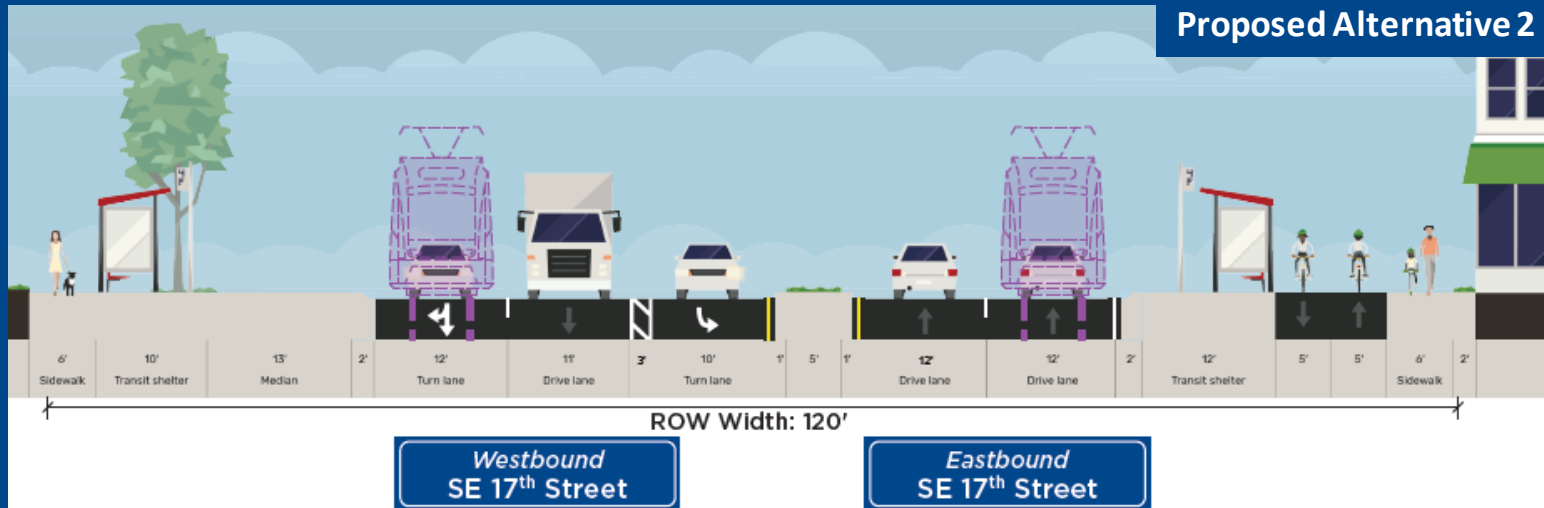


Trees are 'behind' the transit shelter
Approximate location of existing trees

Existing Conditions



Proposed Alternative 2



SW 9 Av to west of SW 4 Av

17TH ST



SW 9 Av to west of SW 4 Av

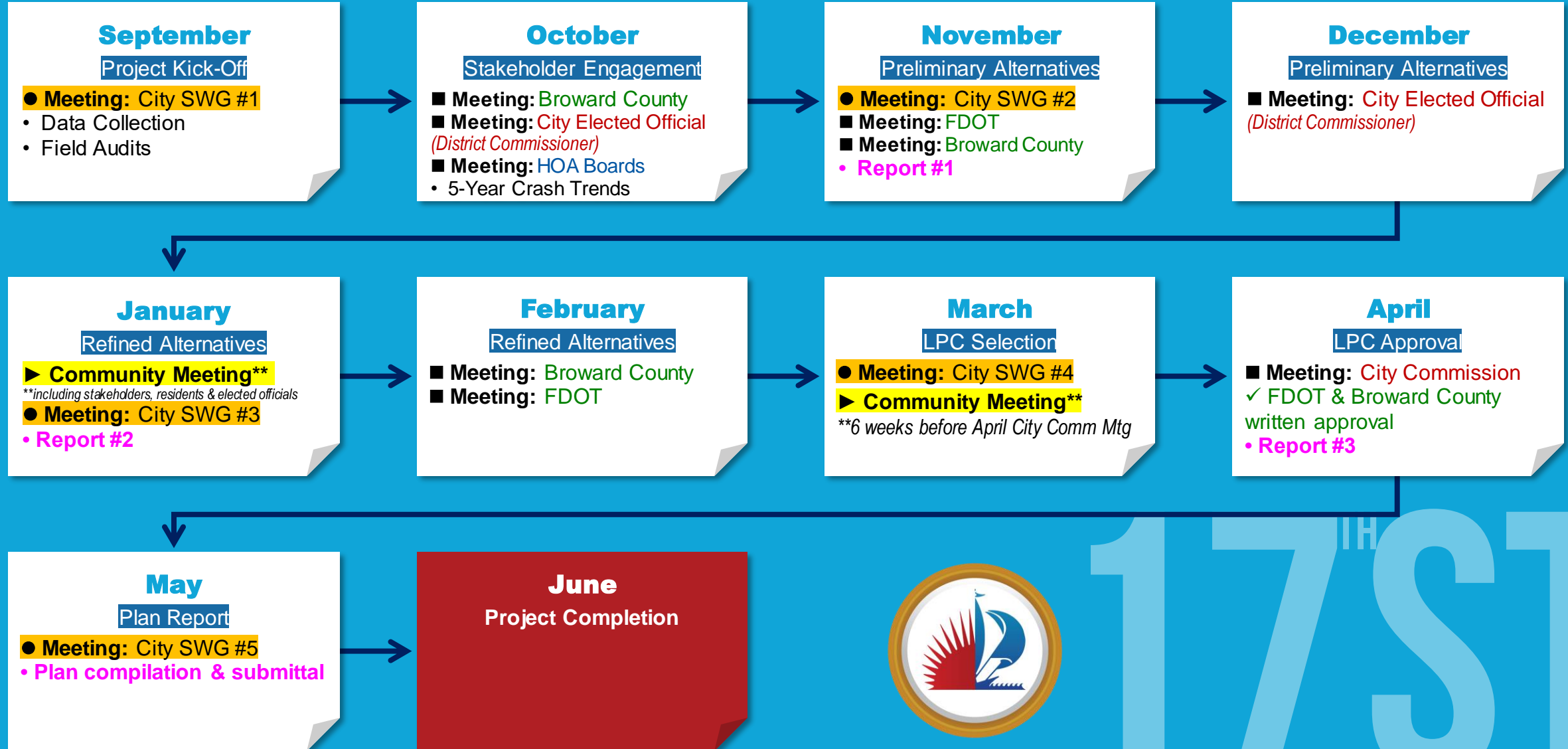


- : Property/ROW line
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- : Road pavement
- : Sharrows
- : Mini-Roundabout
- : Fill in Sidewalk Gaps
- : Potential Removal of Trees



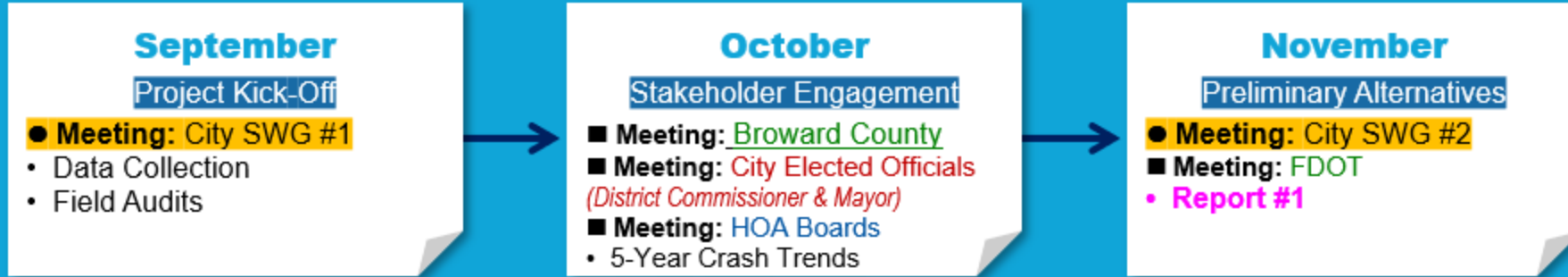
Location Map

Project Schedule



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Project Schedule: Next Steps



BMPO Refine Alternatives

City to schedule community meeting. *Including stakeholders, residents & elected officials*

Next County Meeting = February
Topic: Refined Alternatives



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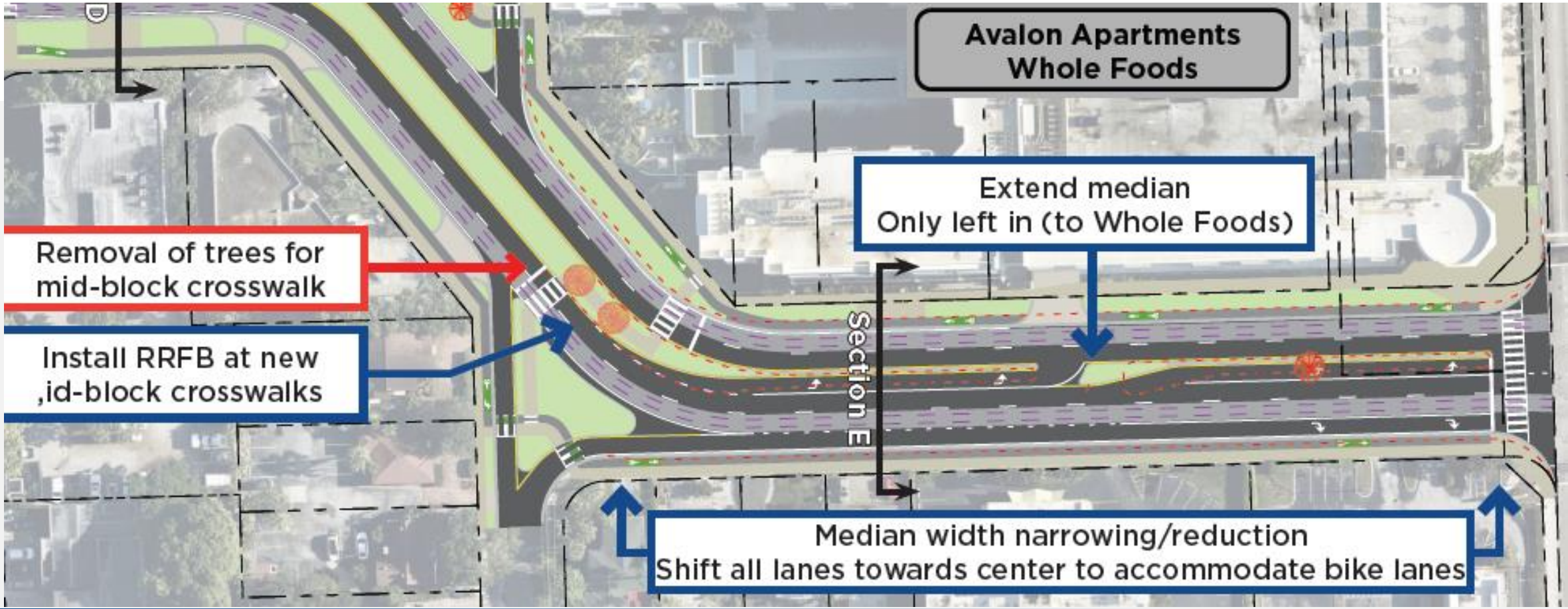
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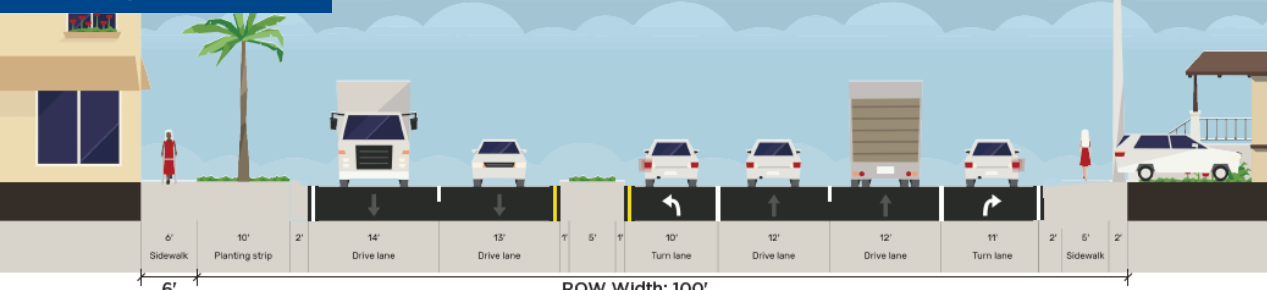
Project Development



East of SE 4 Ave Section E



Existing Conditions

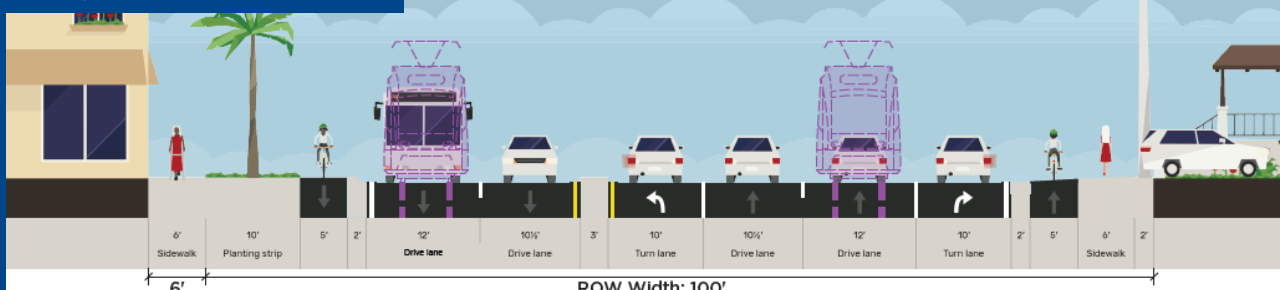


Existing Additional 6' Public ROW gifted by adjacent development

Westbound SE 17th Street

Eastbound SE 17th Street

Proposed Alternative 1



Existing Additional 6' Public ROW gifted by adjacent development

Westbound SE 17th Street

Eastbound SE 17th Street

