



City of  
**Gainesville**

University Avenue

Corridor Study

**City Commission Presentation**  
**April 7<sup>th</sup>, 2022**



# Agenda

13<sup>th</sup> Street

University Avenue

*Phase 2*

Corridor Study

**1 | Existing Conditions**

**2 | Preliminary Recommendations**

**3 | Interim Opportunities**

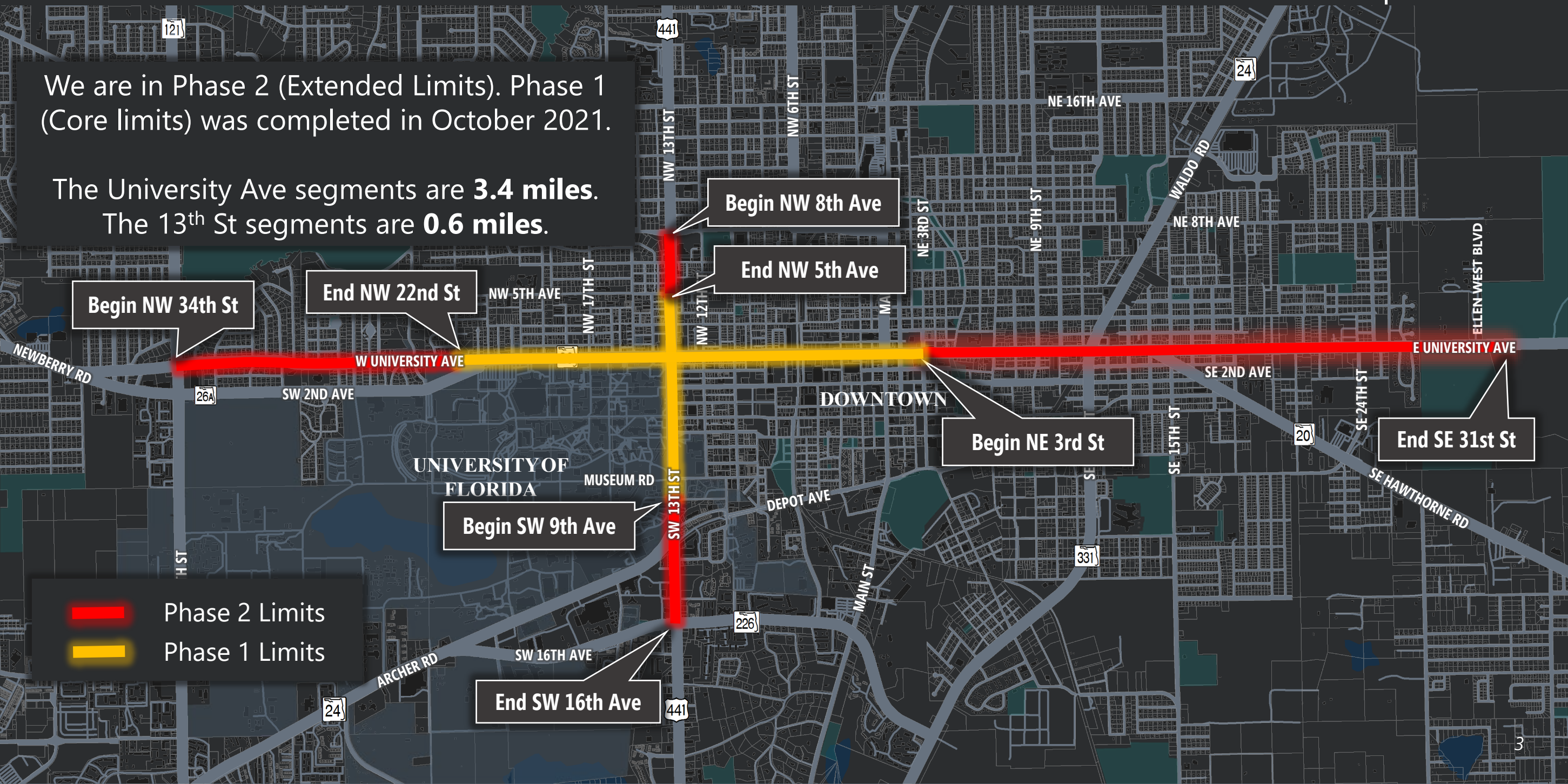
**4 | Next Steps**





We are in Phase 2 (Extended Limits). Phase 1 (Core limits) was completed in October 2021.

The University Ave segments are **3.4 miles**.  
The 13<sup>th</sup> St segments are **0.6 miles**.





**Improve safety**

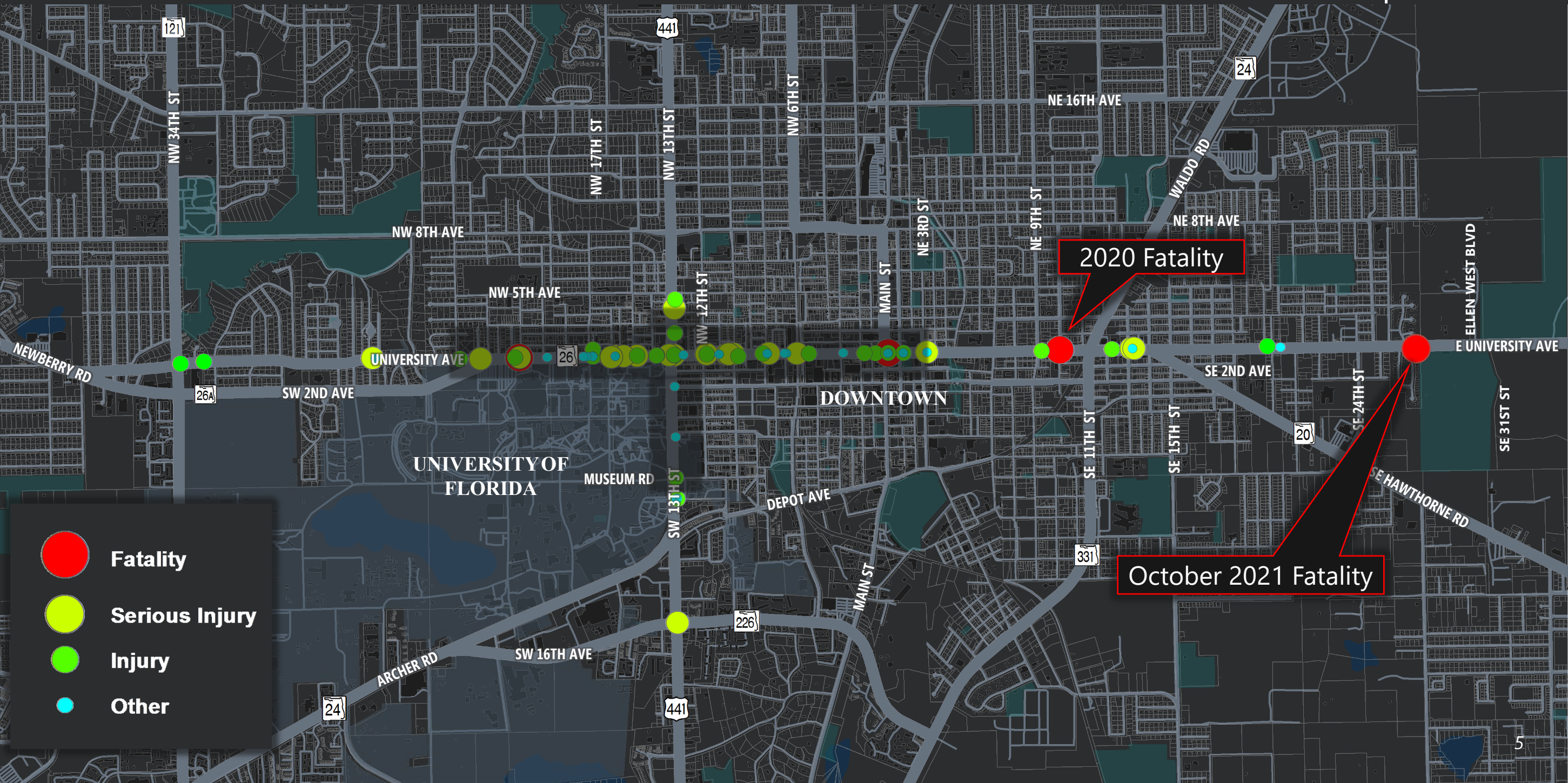
**Prioritize people**

**Analyze and develop concepts**

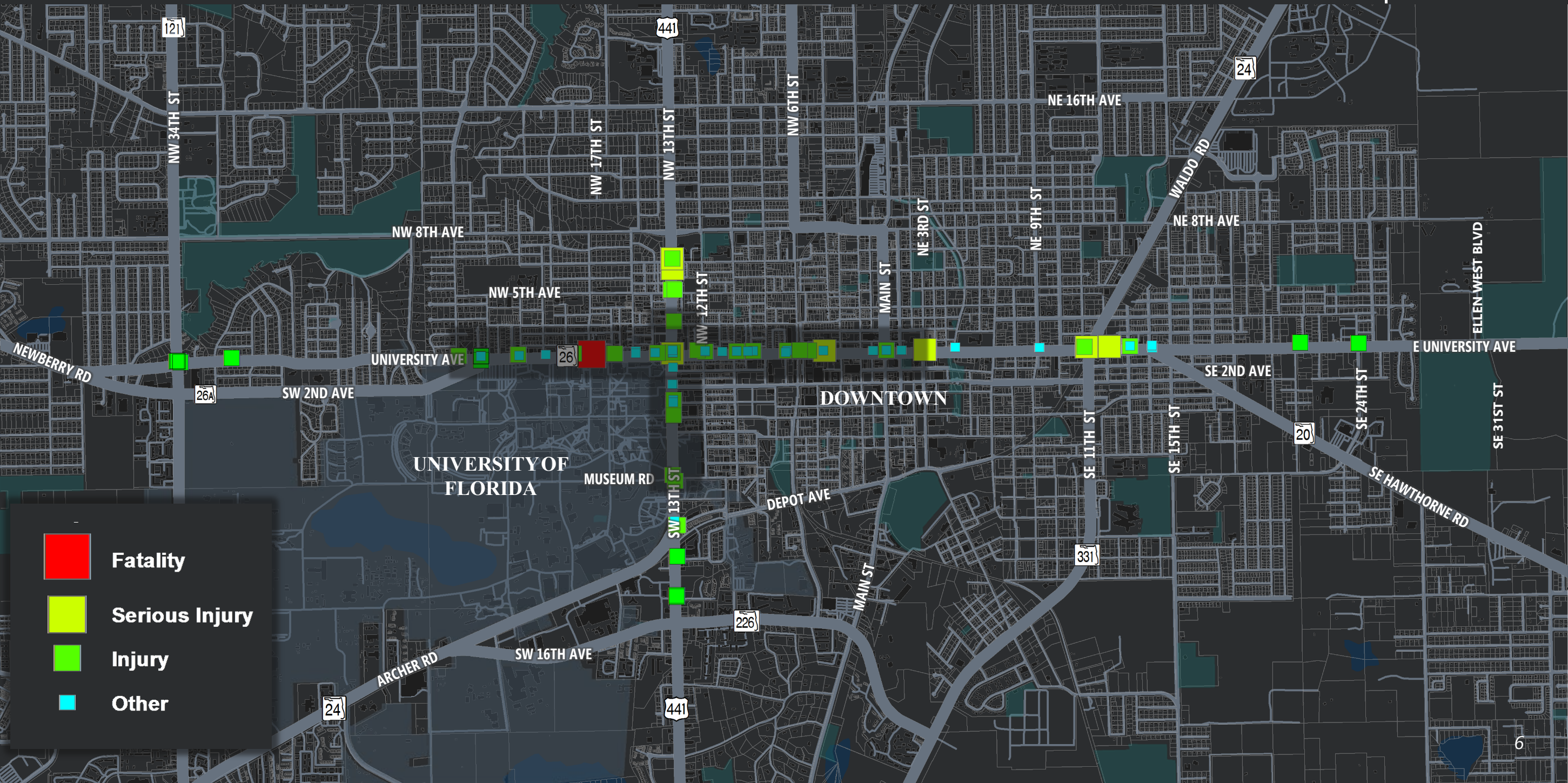
**Recommend interim & ultimate improvements**

**Partner with UF and FDOT**











## SPEED

## CONE OF VISION

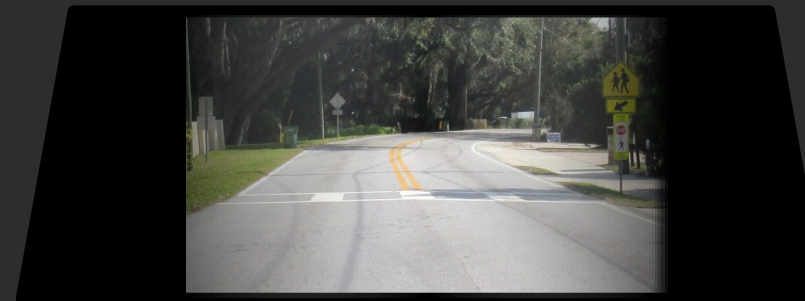
## STATISTICAL OUTCOME OF A PEDESTRIAN STRUCK BY A VEHICLE:

**20**  
MPH



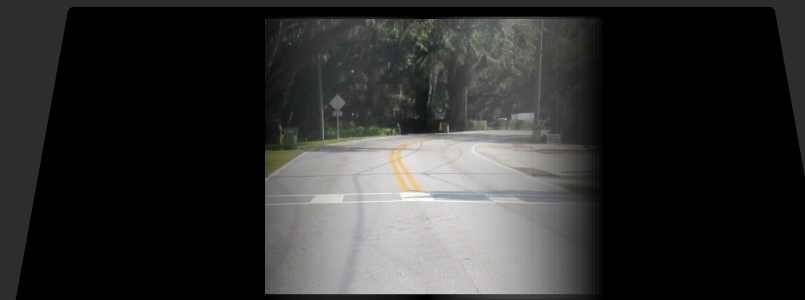
**9 OUT OF 10  
PEDESTRIANS SURVIVE**

**30**  
MPH



**5 OUT OF 10  
PEDESTRIANS SURVIVE**

**40**  
MPH



**1 OUT OF 10  
PEDESTRIANS SURVIVE**

*Source: UNC Highway Safety Research Center*



# Guiding Principles

13<sup>th</sup> Street

University Avenue

*Phase 2*

Corridor Study



## **Safety and Speed Management**

Promote safety, reduce speeds, and prioritize vulnerable users

## **Mobility and Access**

Directness, travel times, and convenience

## **Placemaking and Community Development**

Use street space for people

## **Cost and Ease of Implementation**

Rapid cost-effective changes



# 1 | Existing Conditions



**Total new housing units in City = 6,445**

This map includes projects approved since 2017, prescreened projects, projects in review, and projects with applicant corrections.

**18 Medium-Density Residential Units**

**145 Unit Multifamily Apartment Building**

**5 Building Shopping Center**

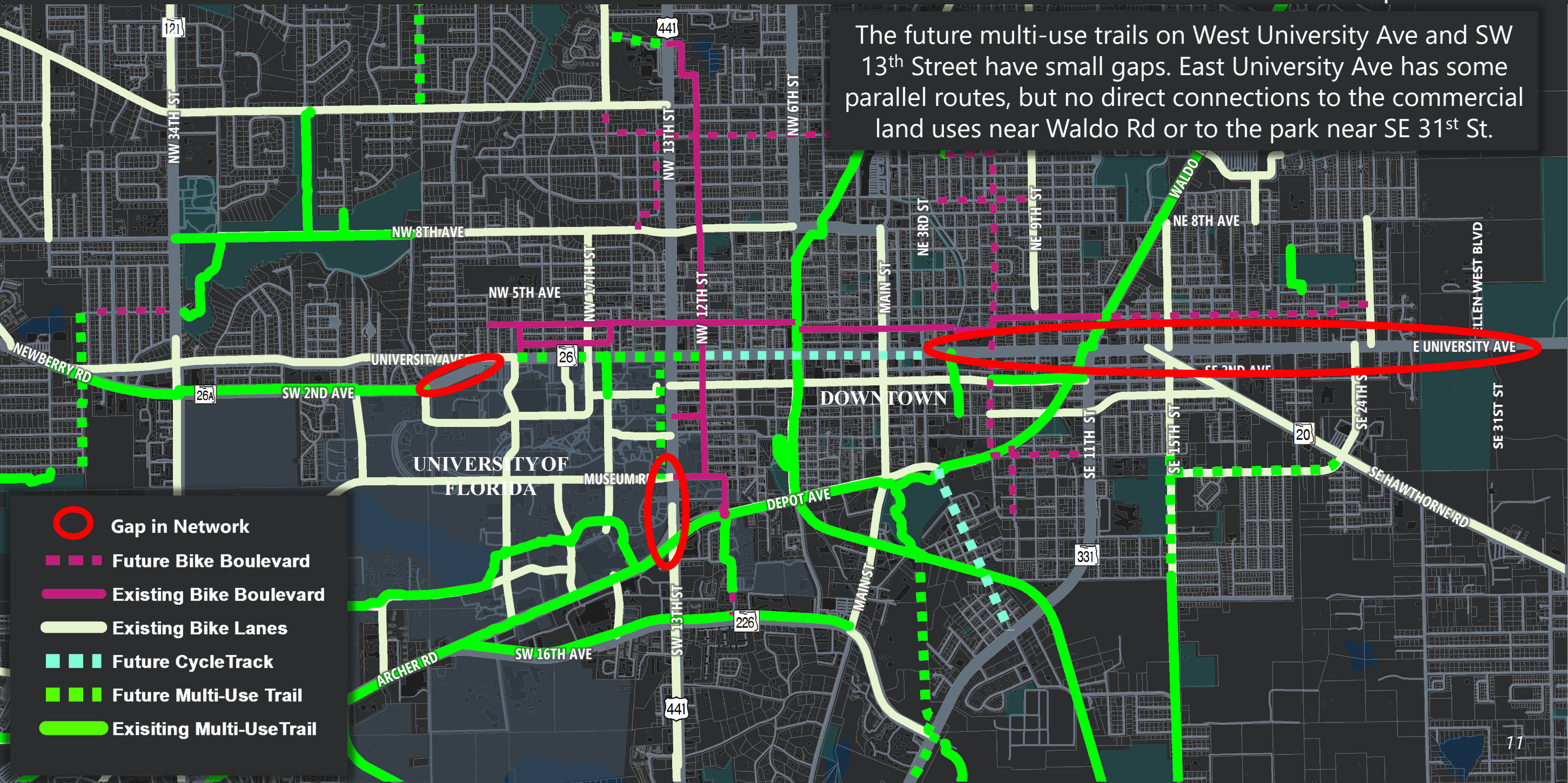
**Shands Cardiac Hospital**

**4-Story Residential Apartment Building**

**Future Development**

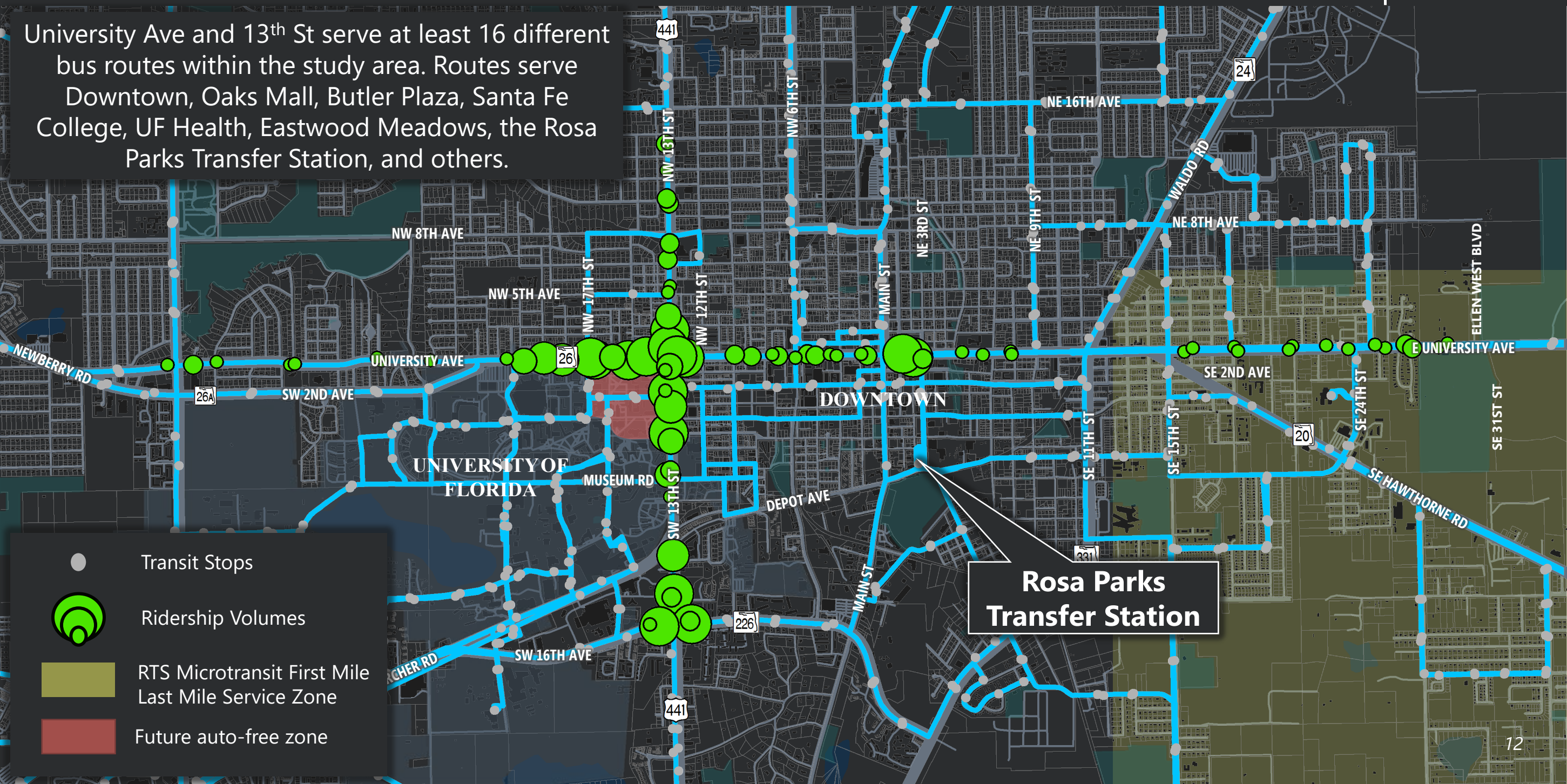


The future multi-use trails on West University Ave and SW 13<sup>th</sup> Street have small gaps. East University Ave has some parallel routes, but no direct connections to the commercial land uses near Waldo Rd or to the park near SE 31<sup>st</sup> St.





University Ave and 13<sup>th</sup> St serve at least 16 different bus routes within the study area. Routes serve Downtown, Oaks Mall, Butler Plaza, Santa Fe College, UF Health, Eastwood Meadows, the Rosa Parks Transfer Station, and others.



Transit Stops

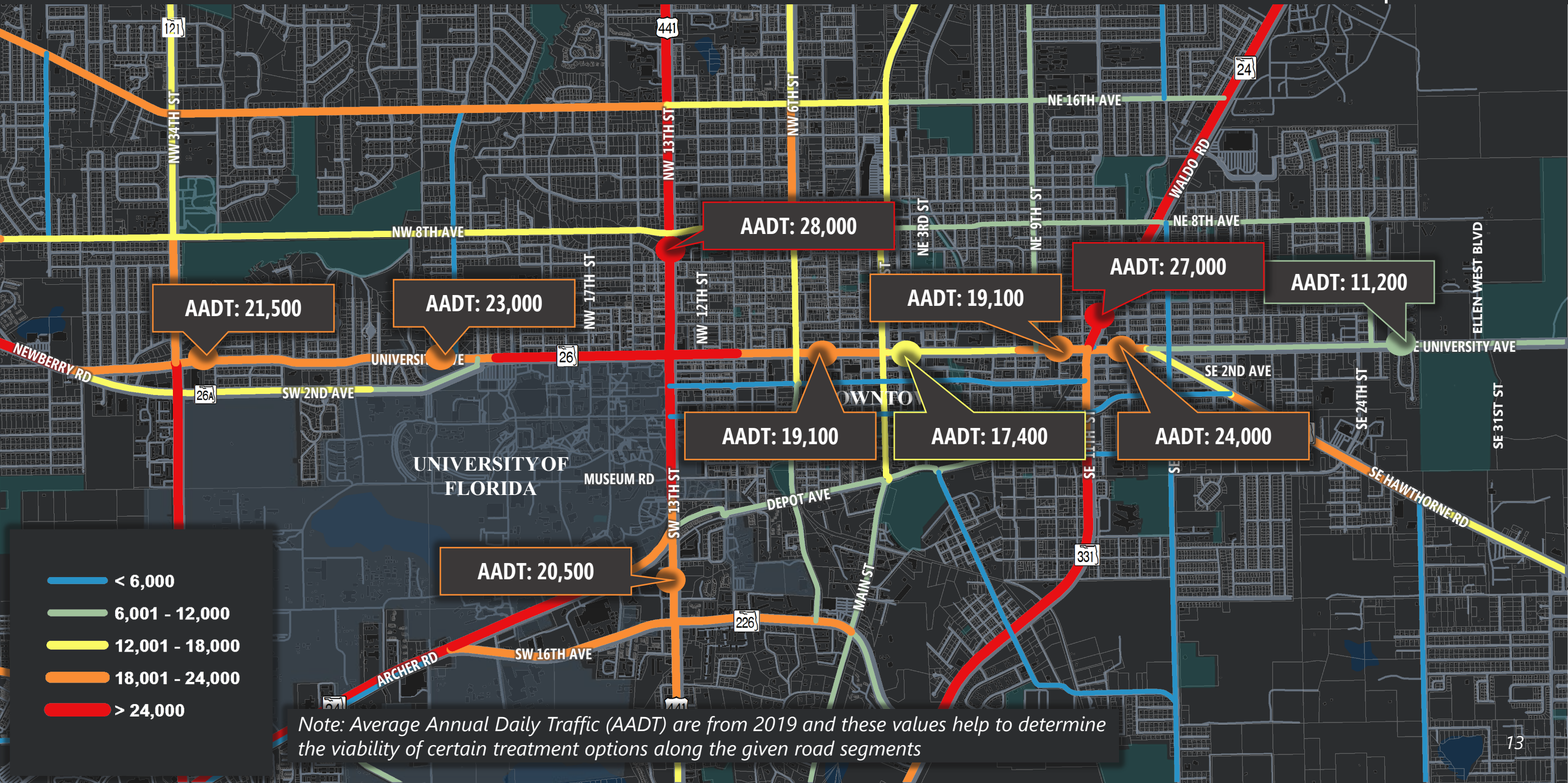
Ridership Volumes

RTS Microtransit First Mile  
Last Mile Service Zone

Future auto-free zone

Rosa Parks  
Transfer Station



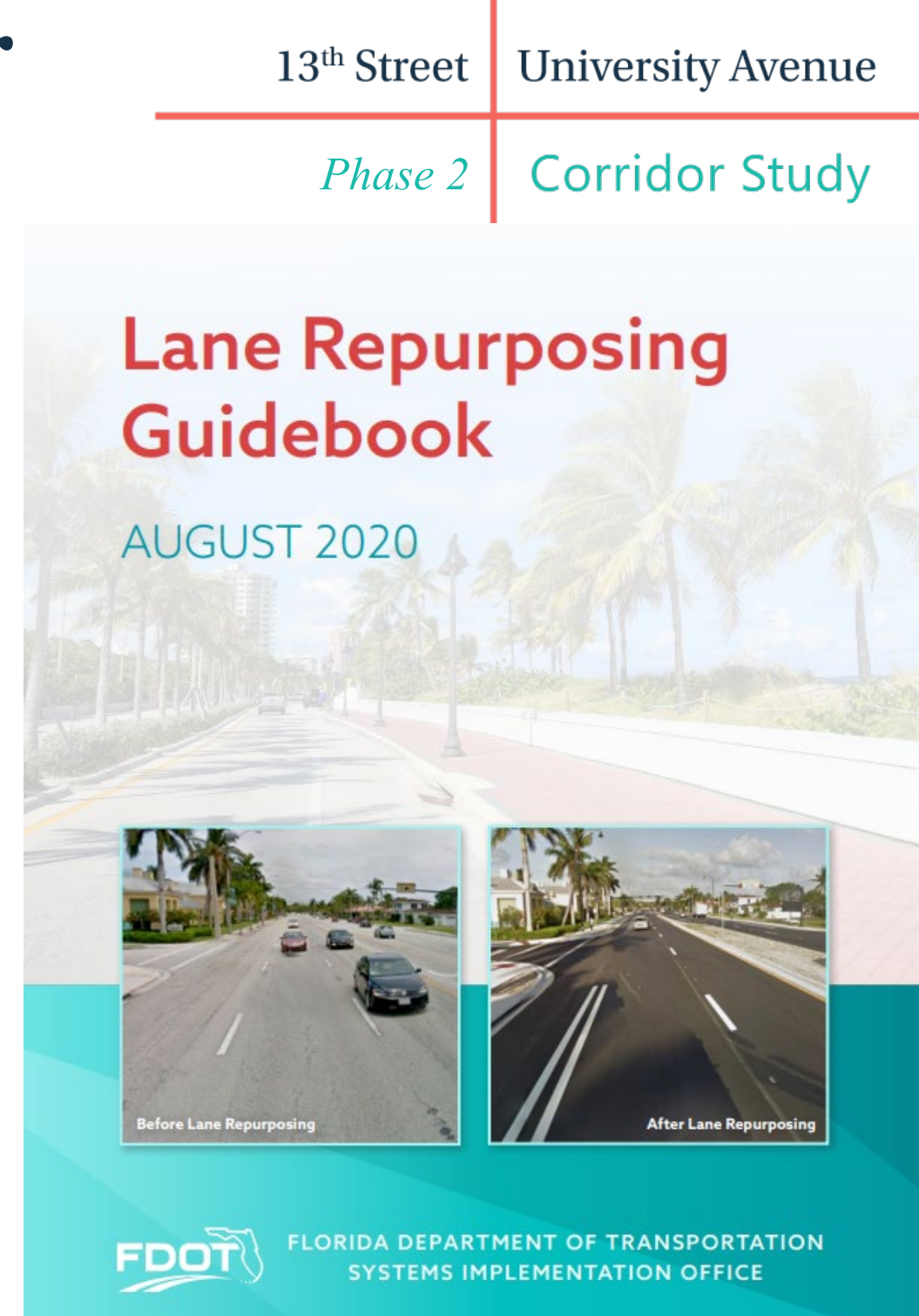
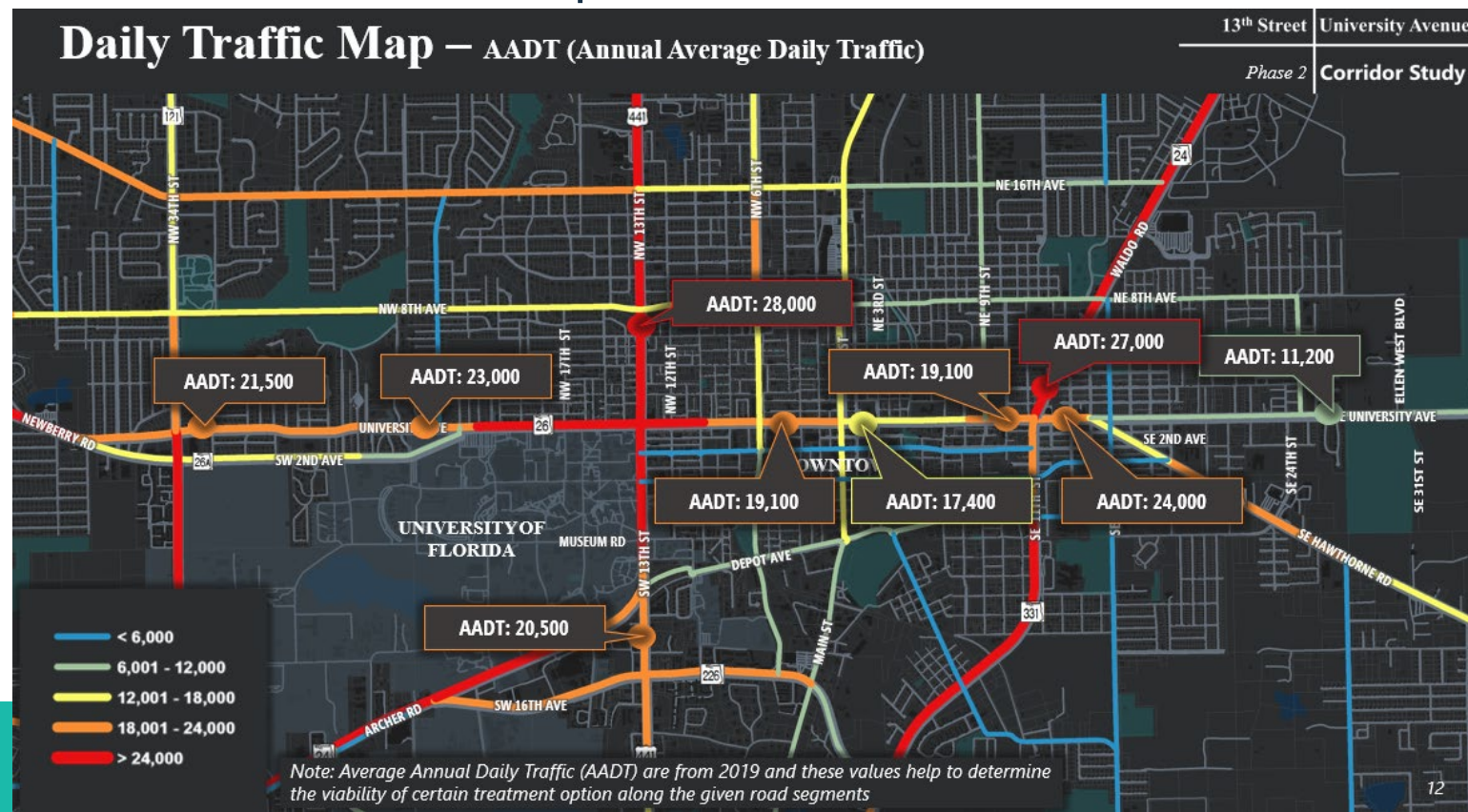


Note: Average Annual Daily Traffic (AADT) are from 2019 and these values help to determine the viability of certain treatment options along the given road segments



# FDOT Daily Traffic Guidance for Lane Repurposing

- Section 3.1.2: Four-lane undivided roadways with **daily traffic of  $\leq 20,000$**  are typically good candidates for a lane repurposing (e.g. converting to a two-lane, two-way road with a TWLTL, and bicycle facilities). However, projects are evaluated for lane repurposing feasibility on a case-by-case basis.
- Roads **in red** on the map below are well above 20,000.





# Key Challenges and Opportunities – University Ave

13<sup>th</sup> Street University Avenue

Phase 2 Corridor Study

## Corridor-Wide:

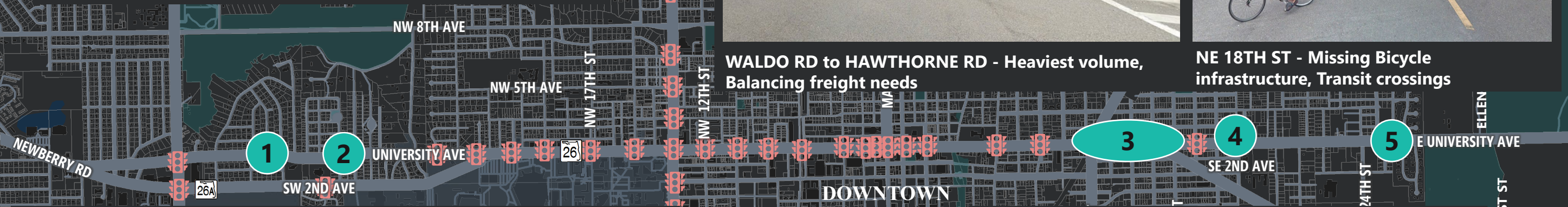
- Reinforcing Short Blocks
- Improve Pedestrian Crossing Opportunities
- Roundabout Possibilities based on ROW
- Game Day/Event Circulation



WALDO RD to HAWTHORNE RD - Heaviest volume, Balancing freight needs



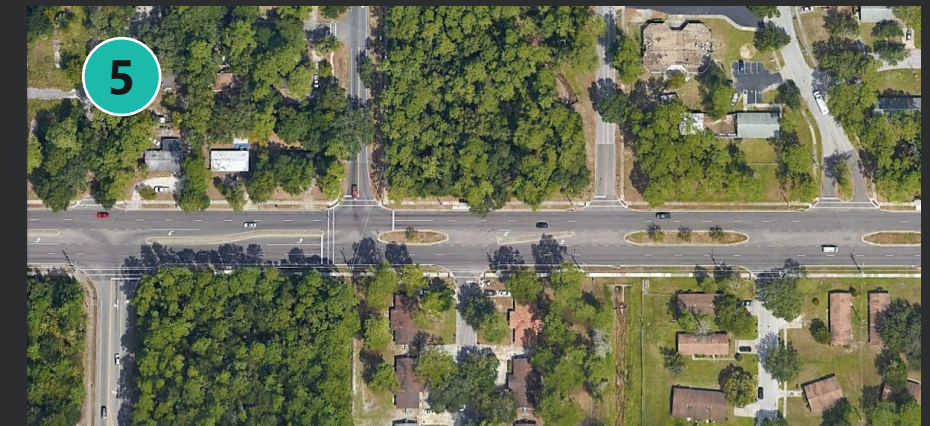
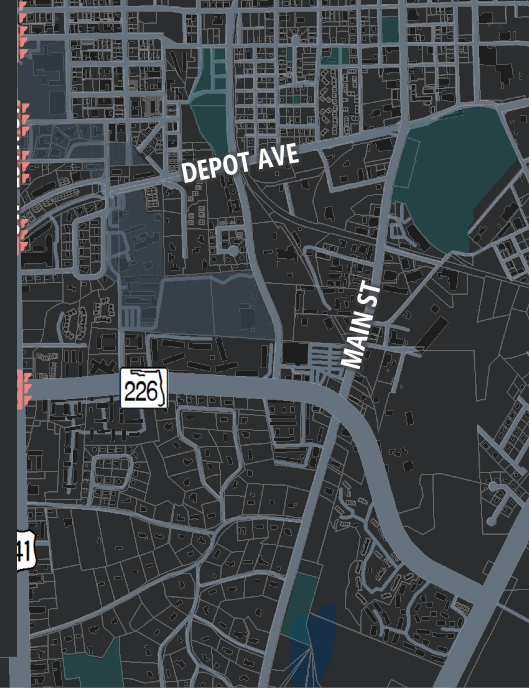
NE 18TH ST - Missing Bicycle infrastructure, Transit crossings



NW 30TH AVE - Few pedestrian / bicyclist crossing opportunities



NW 25TH ST - Reverse Curves



NE 25TH ST - Frequent median openings

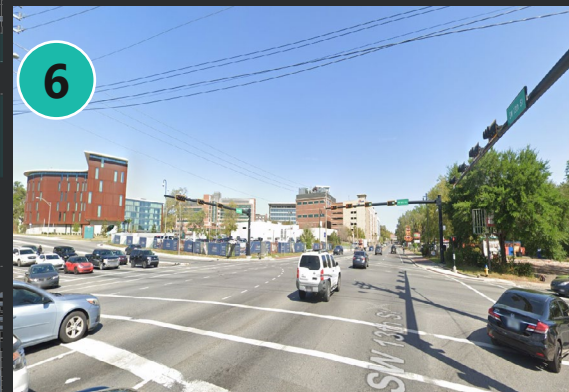


13 <sup>th</sup> Street	University Avenue
<i>Phase 2</i>	<b>Corridor Study</b>

- Reinforcing Short Blocks
- Improve Pedestrian Crossing Opportunities
- Roundabout Possibilities based on ROW
  - Museum Rd, Archer Rd, SW 16<sup>th</sup> Ave, SW 11<sup>th</sup> Ave



## 8TH AVE - Increased bike & ped activity with development



6



## 2 | Preliminary Recommendations



# Focus on Proven Safety Strategies

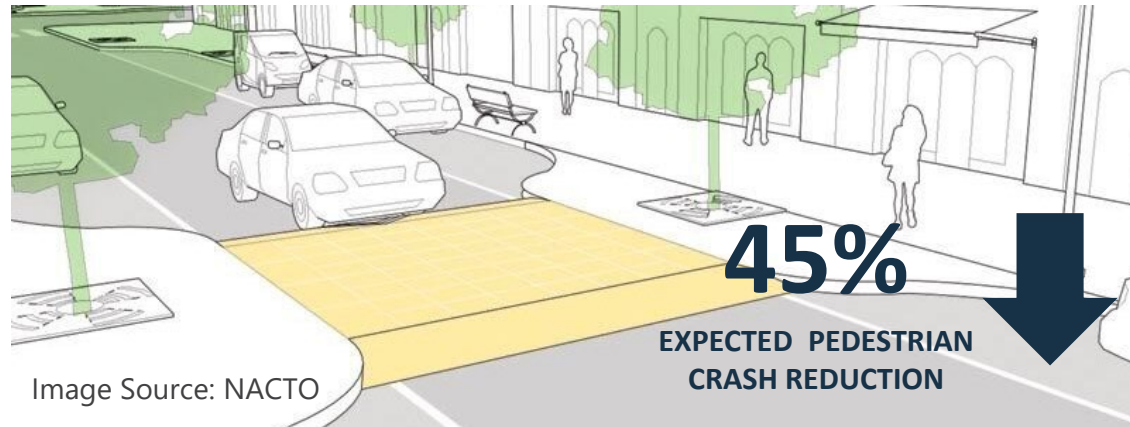
13<sup>th</sup> Street

University Avenue

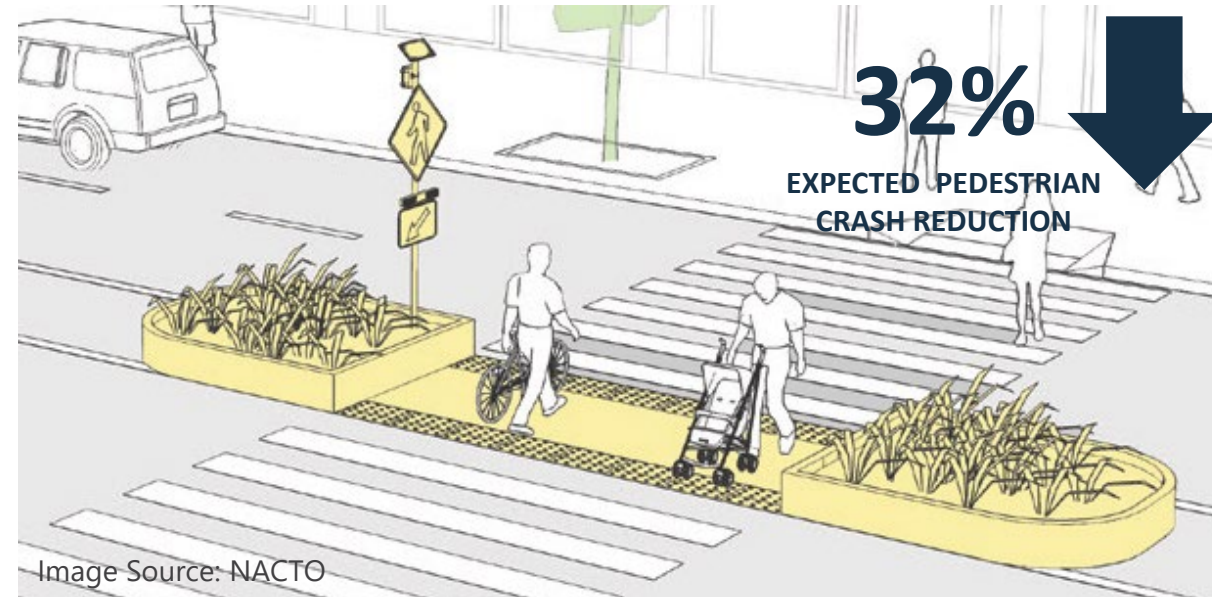
Phase 2

Corridor Study

## RAISED CROSSWALK (SPEED TABLES)



## PEDESTRIAN REFUGE ISLAND



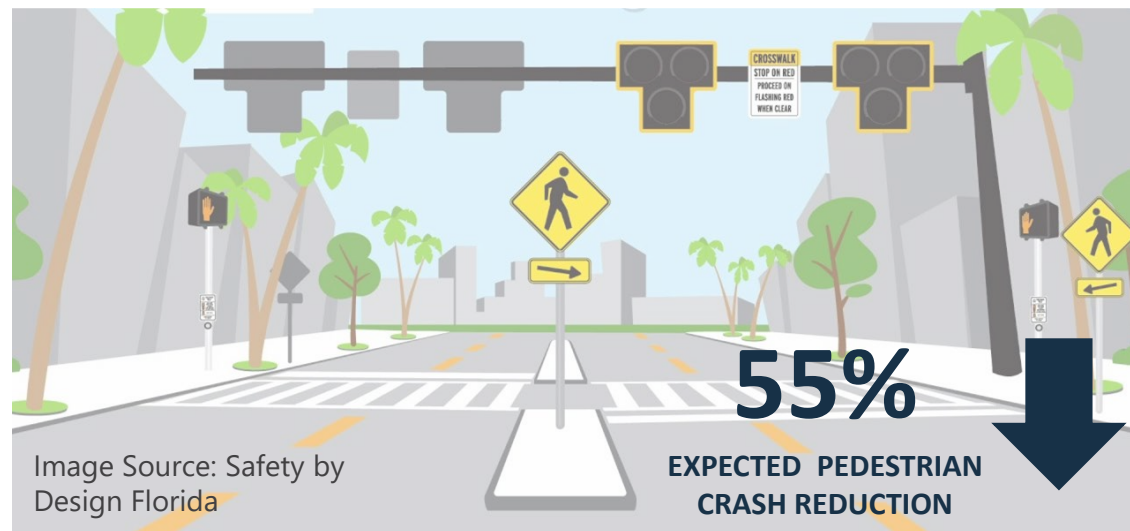
## RECTANGULAR RAPID FLASHING BEACON



47%

EXPECTED PEDESTRIAN  
CRASH REDUCTION

## PEDESTRIAN HYBRID BEACON



## RAISED MEDIANS



78%

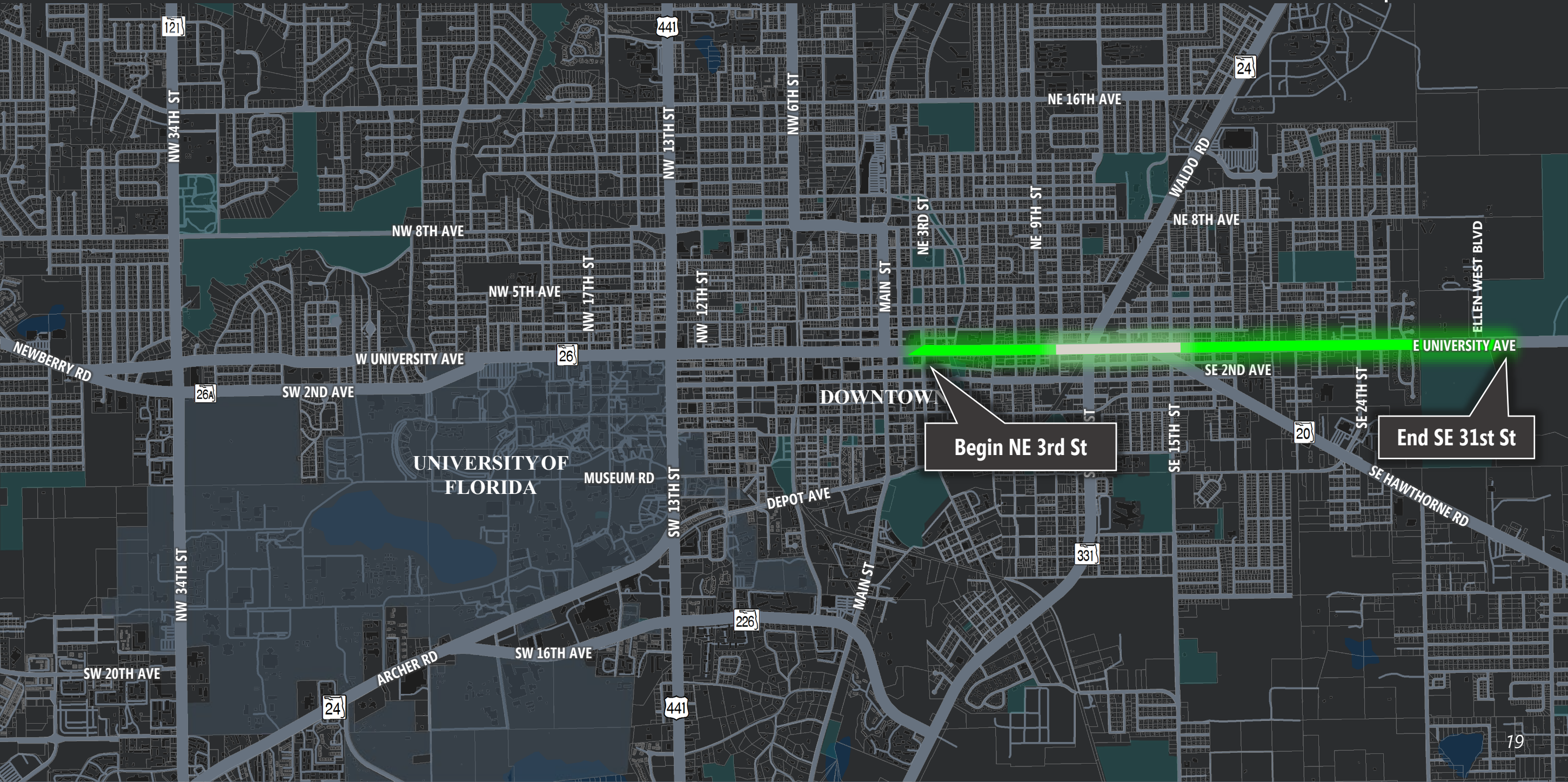
EXPECTED  
REDUCTION IN  
SEVERE CRASHES



46%

EXPECTED PEDESTRIAN  
CRASH REDUCTION





DOWNTOWN

UNIVERSITY OF  
FLORIDA

Begin NE 3rd St

End SE 31st St



University Ave Segment: NE 3rd St to SE 31st St

4-Lane Section (Alternates between Two-Way-Left-Turn-Lane and Median)

On University Ave near NE 25th Terr, Facing East



5' 8' 2' 13' 12' 20' 12' 13' 2' 8' 5'

100' ROW Shown



University Ave Segment: NE 3rd St to SE 31st St

2-Lane Section (Narrow Lanes & Add Bike Lane + Two-Way Cycle Track)

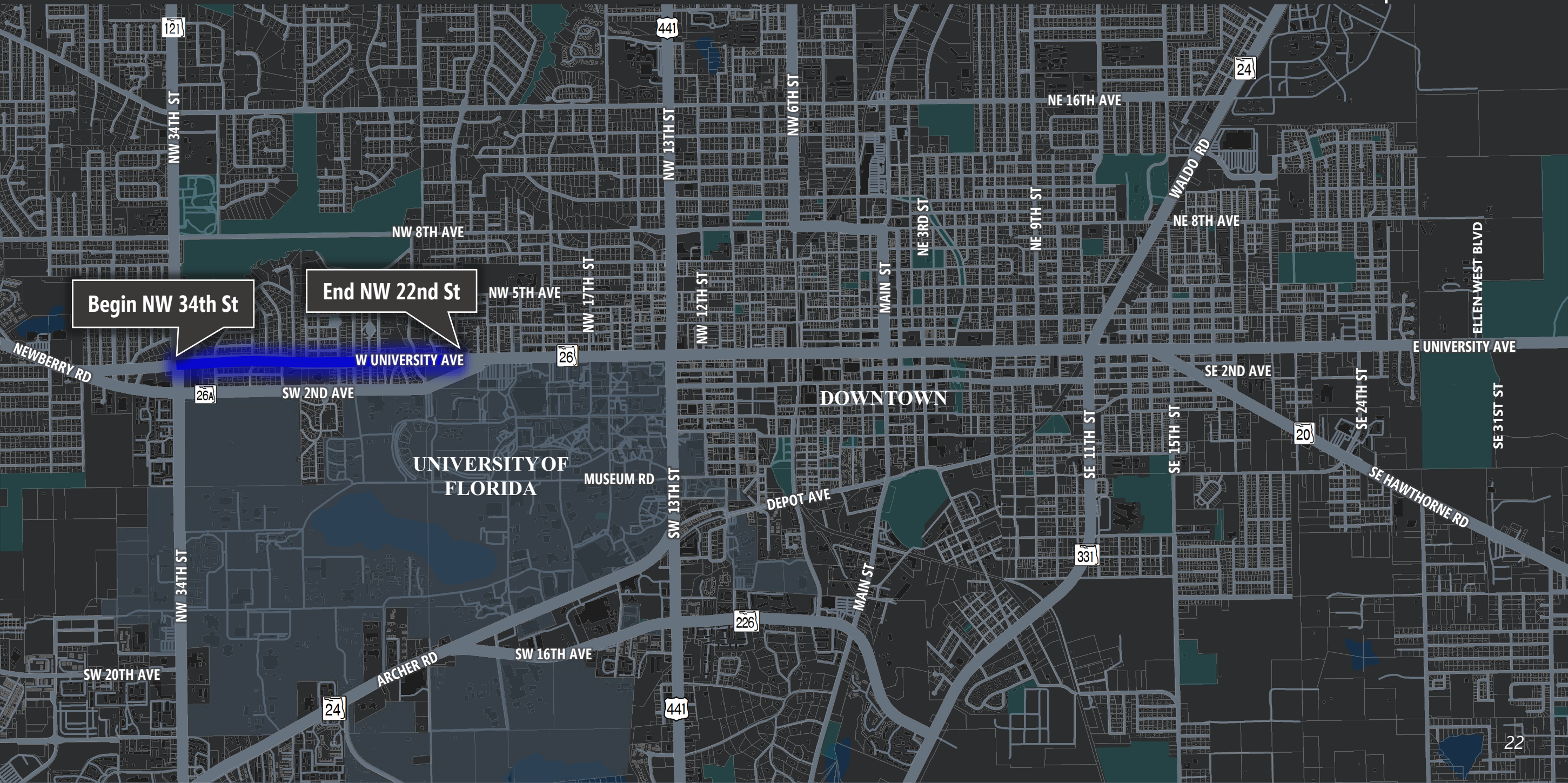
On University Ave near NE 25th Terr, Facing East



5' 8' 2' 7' 6' 12' 20' 10' 5' 5' 5' 2' 8' 5'

100' ROW Shown



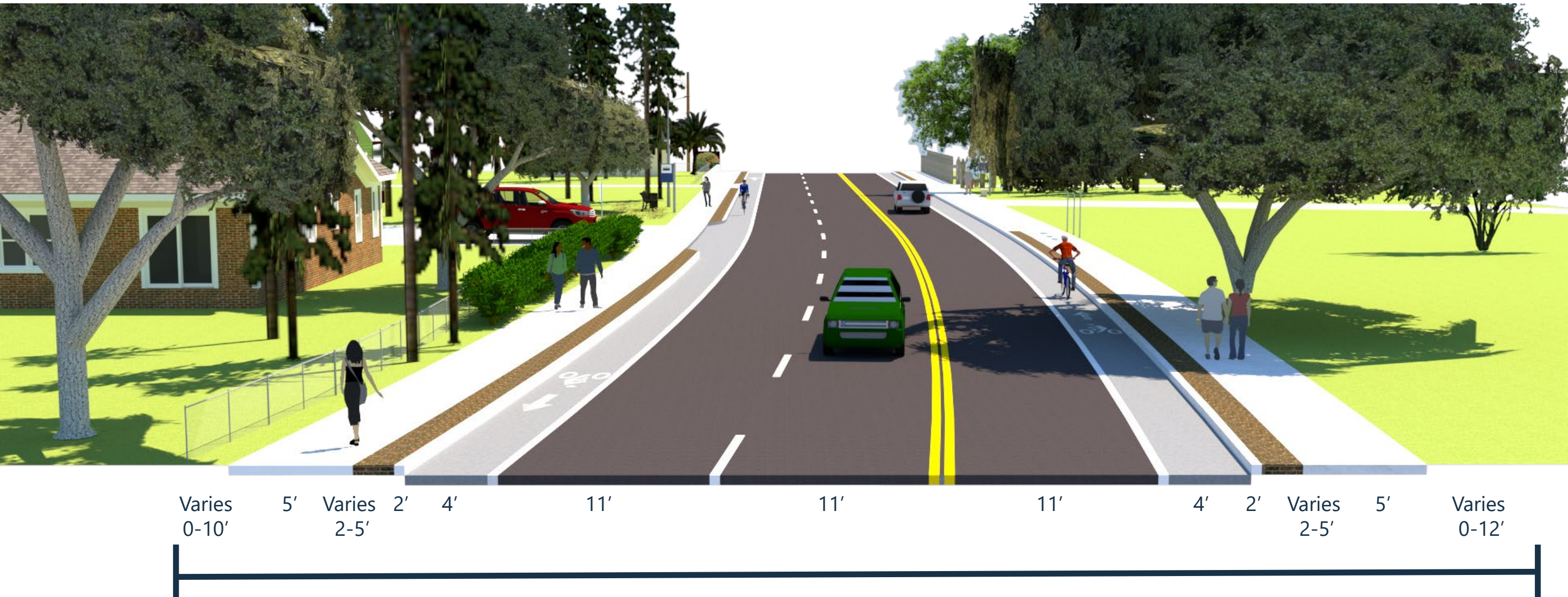




University Ave Segment: NW 34th St to NW 22nd St

3-Lane Section (Unbalanced Undivided)

On University Ave near NW 27<sup>th</sup> Terr, Facing East



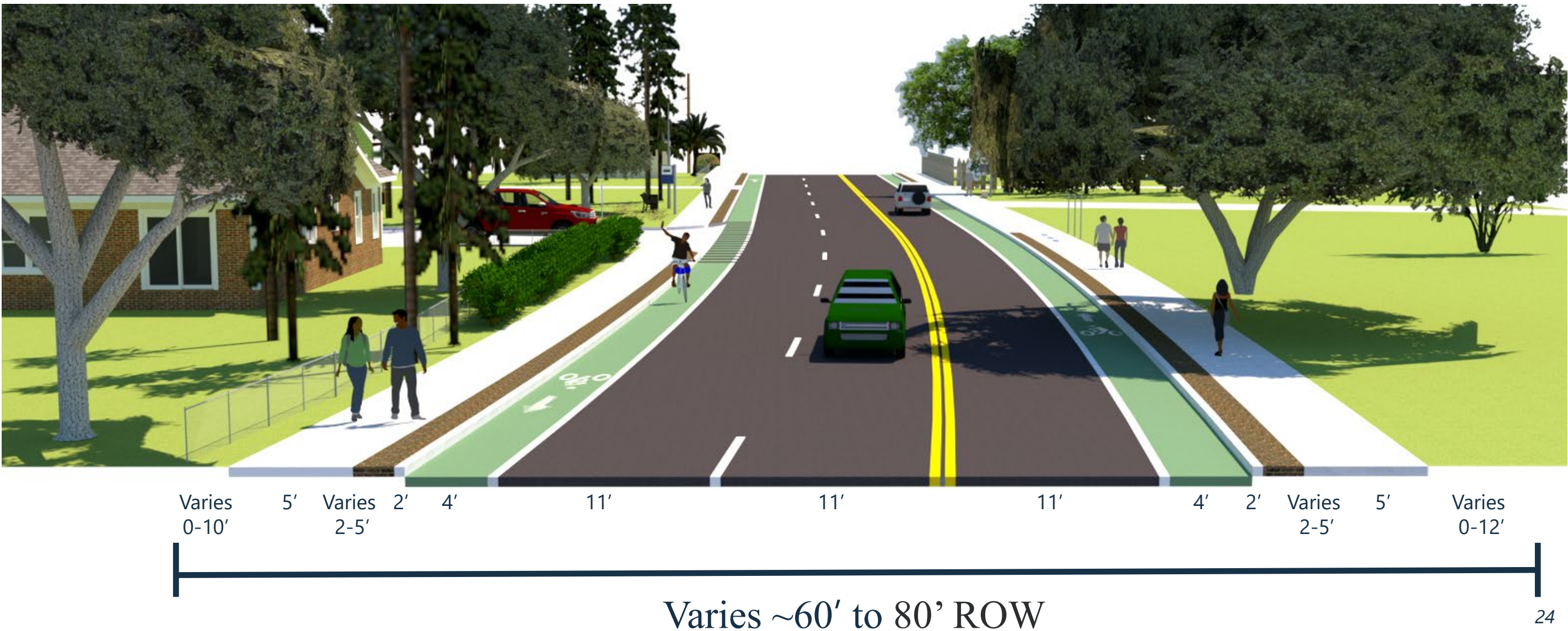
Varies ~60' to 80' ROW



University Ave Segment: NW 34th St to NW 22nd St

3-Lane Section (Unbalanced Undivided, Painted Bike Lanes)

On University Ave near NW 27<sup>th</sup> Terr, Facing East

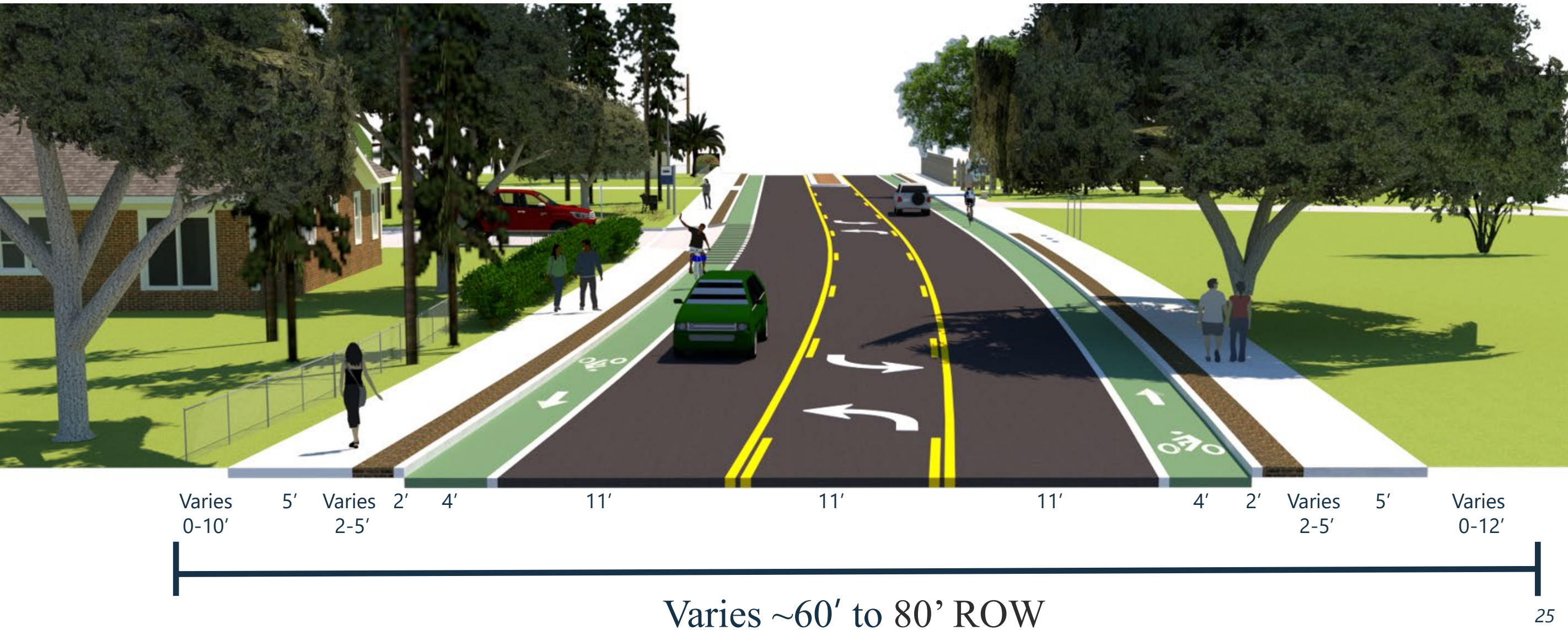




University Ave Segment: NW 34th St to NW 22nd St

2-Lane Section (Two-Way-Left-Turn Lane, Painted Bike Lanes)

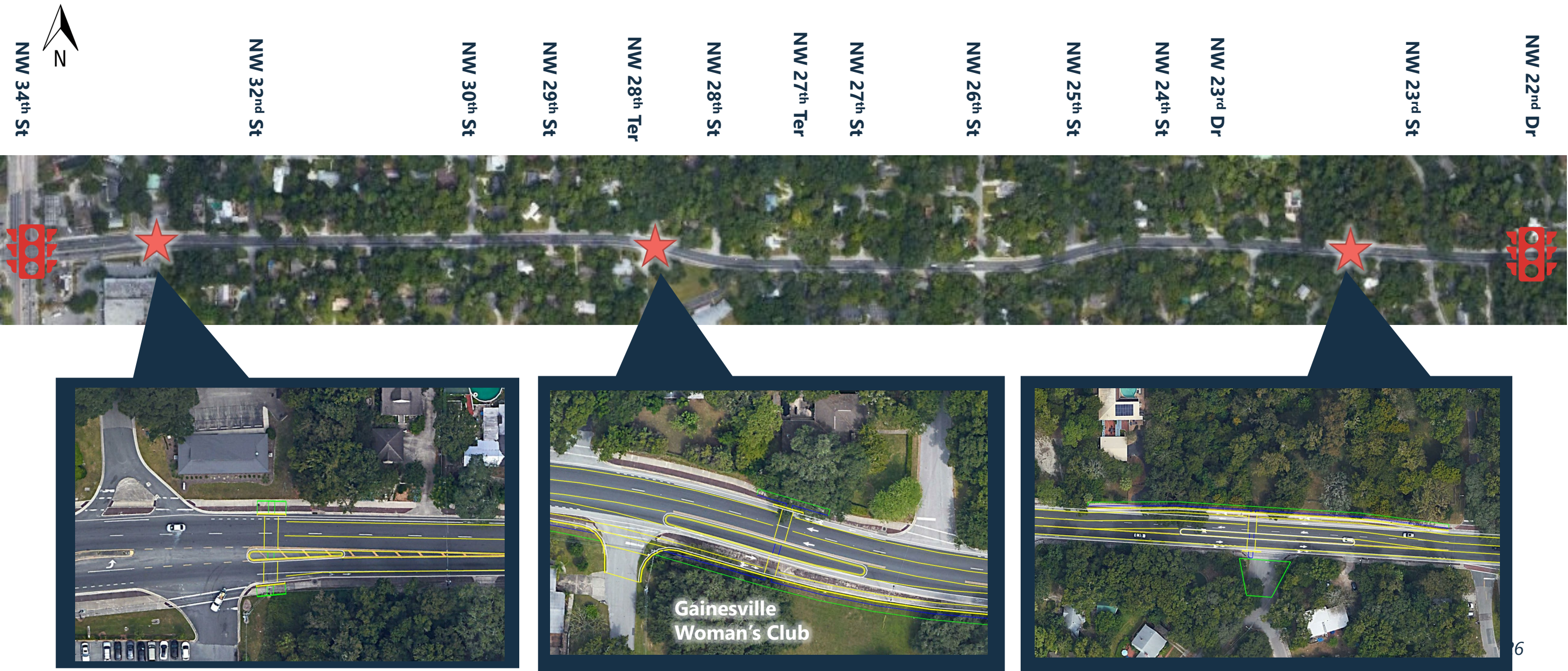
On University Ave near NW 27<sup>th</sup> Terr, Facing East





University Ave Segment: NW 34th St to NW 22nd St

Median and Pedestrian Crossing Opportunities

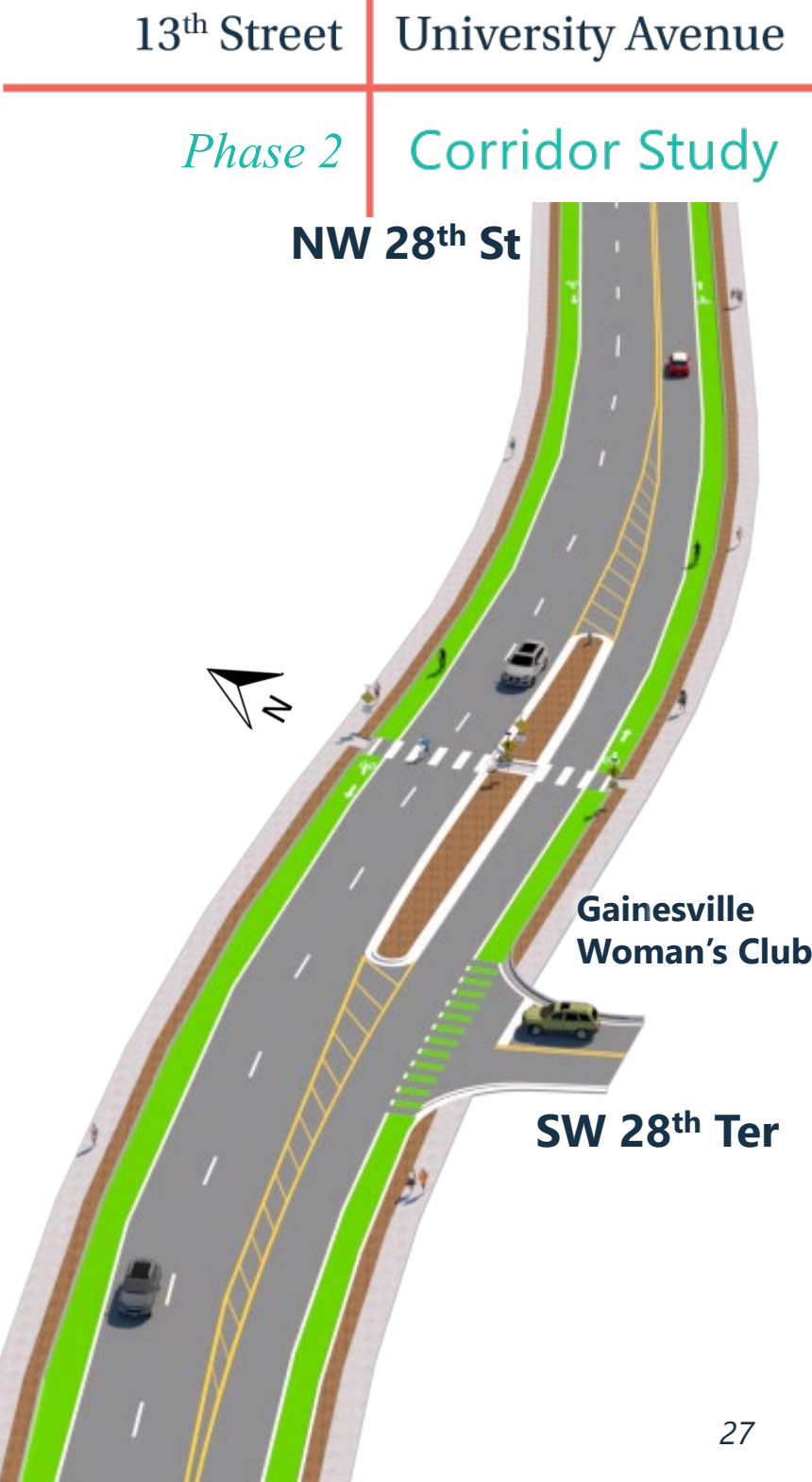




**University Ave Segment: NW 34th St to NW 22nd St**

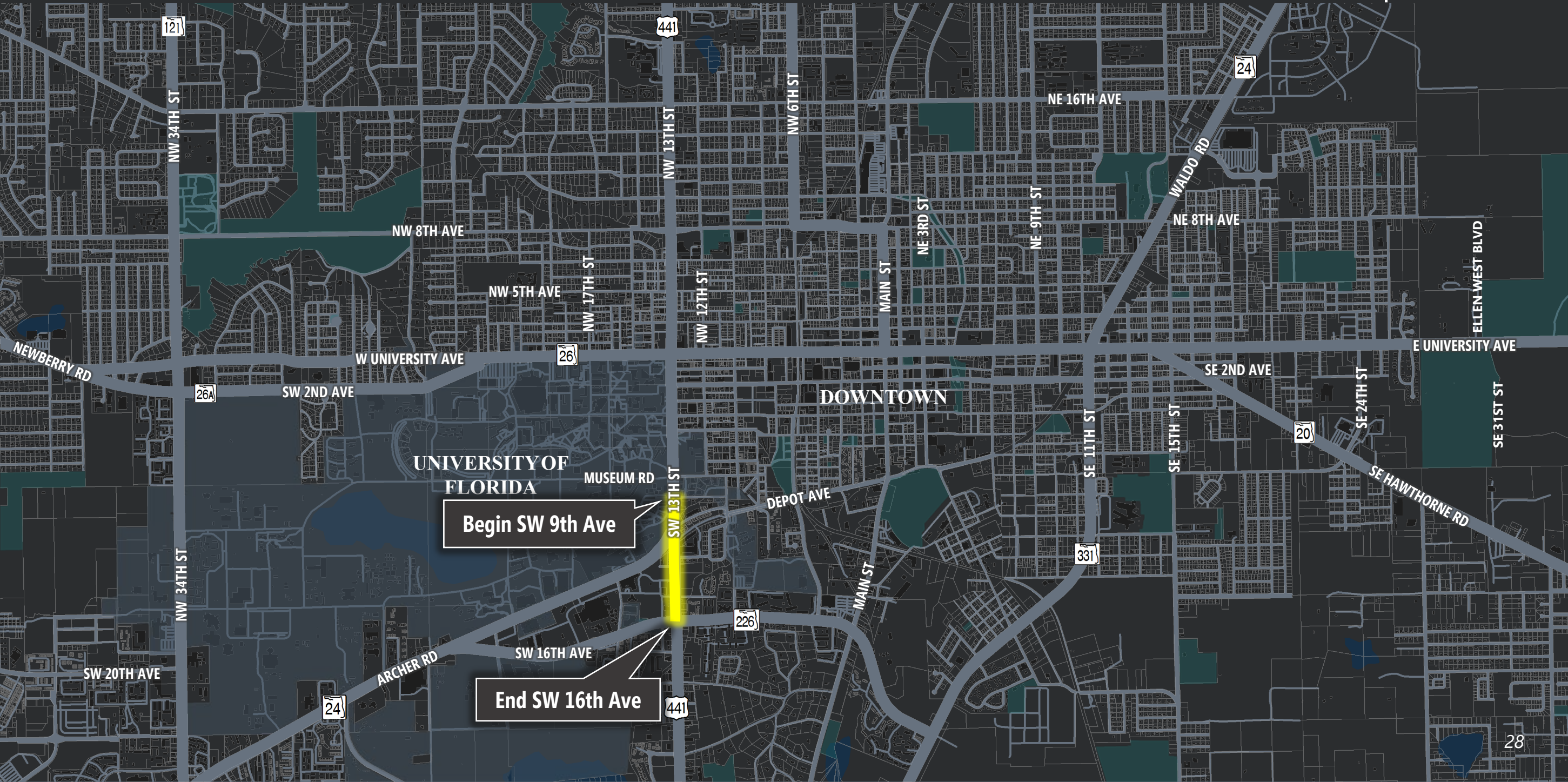
**Median and Pedestrian Crossing Opportunities**

**On University Ave near NW 28<sup>th</sup> Ter, Facing East (@ Gainesville Woman's Club)**



NW 29<sup>th</sup> St







13th St Segment: SW Archer Rd to SW 16th Ave

4-Lane Section (Divided and Undivided)  
On 13<sup>th</sup> Street near SW 13<sup>th</sup> Ave (Shands), Facing North



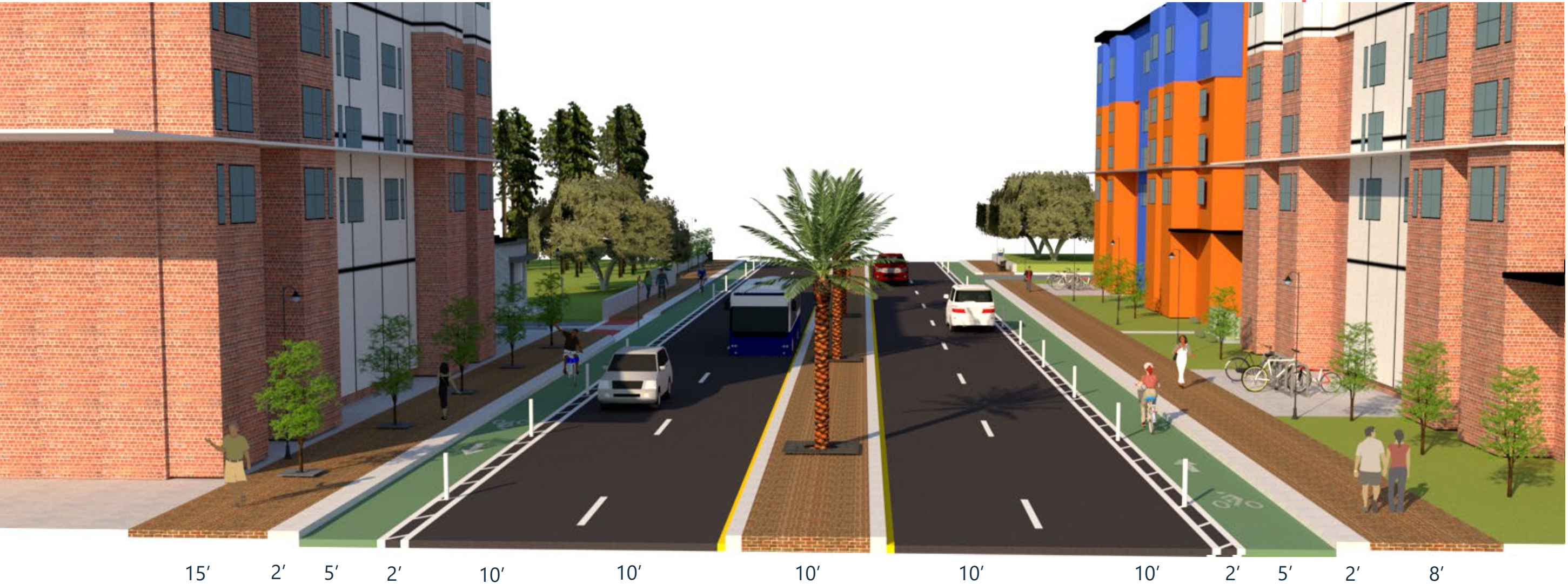
*Note: Varying medians  
north of SW 11<sup>th</sup> Ave*

*Note: New sidewalks partially outside of ROW*

Varies ~ 76' to 94' ROW



13th St Segment: SW Archer Rd to SW 16th Ave



**Note:** Bicycle lane protection feature to be further discussed in PD&E

*Note: New sidewalks partially outside of ROW*

Varies ~ 76' to 94' ROW



# 3 | Interim Opportunities



# Short-Term Implementation Opportunities

13<sup>th</sup> Street | University Avenue

Phase 2 | Corridor Study

- **East University Ave**

- Restripe for lane repurposing and narrower vehicle lanes
- Paint green colored bicycle lane and two- way cycle track
- Install temporary physical barriers between vehicle lanes and cycle track / bike lane

- **West University Ave**

- Paint green colored bicycle lanes
- Install spot medians

- **13<sup>th</sup> Street South**

- Paint green colored bicycle lanes
- Install physical barrier between vehicle lanes and bicycle lanes

## East University Ave



## West University Ave



## South 13<sup>th</sup> St

