



Move People & Goods | Create Jobs | Strengthen Communities

# **MMTP Task 4**

## **Mid / Long-term Improvements**

**Staff Working Group - Monthly Meeting**

January 11, 2023

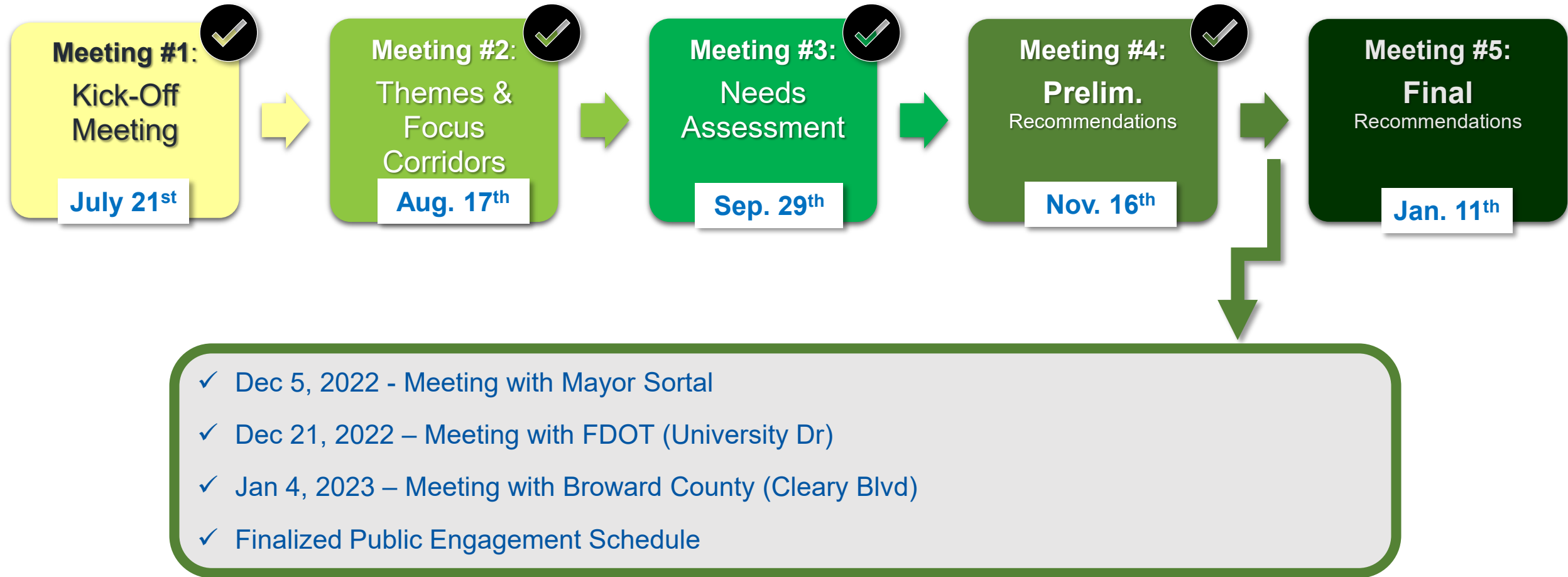
# Meeting Agenda

## Meeting Goal:

- Present Final Recommendations

- Status
- University Dr: Final Recommendations Overview
  - Updates
    - S. Marcano Blvd
    - Distance between crosswalks
    - Broward Blvd
    - Access Rd
- Cleary Blvd: Final Recommendations Overview
  - Updates
    - Roundabout at East entrance – Publix Promenade
    - Lane Reduction adjacent to Central Park
    - Pine Island Rd
    - Lane Reduction adjacent to Lauderdale West Dr.
- Next Steps

# MMTP Phase 2: Status



# University Dr

## Vision

- Transform University Dr from multimodal barrier to multimodal connector
- Make it safer, convenient, and comfortable for pedestrians to cross University Dr



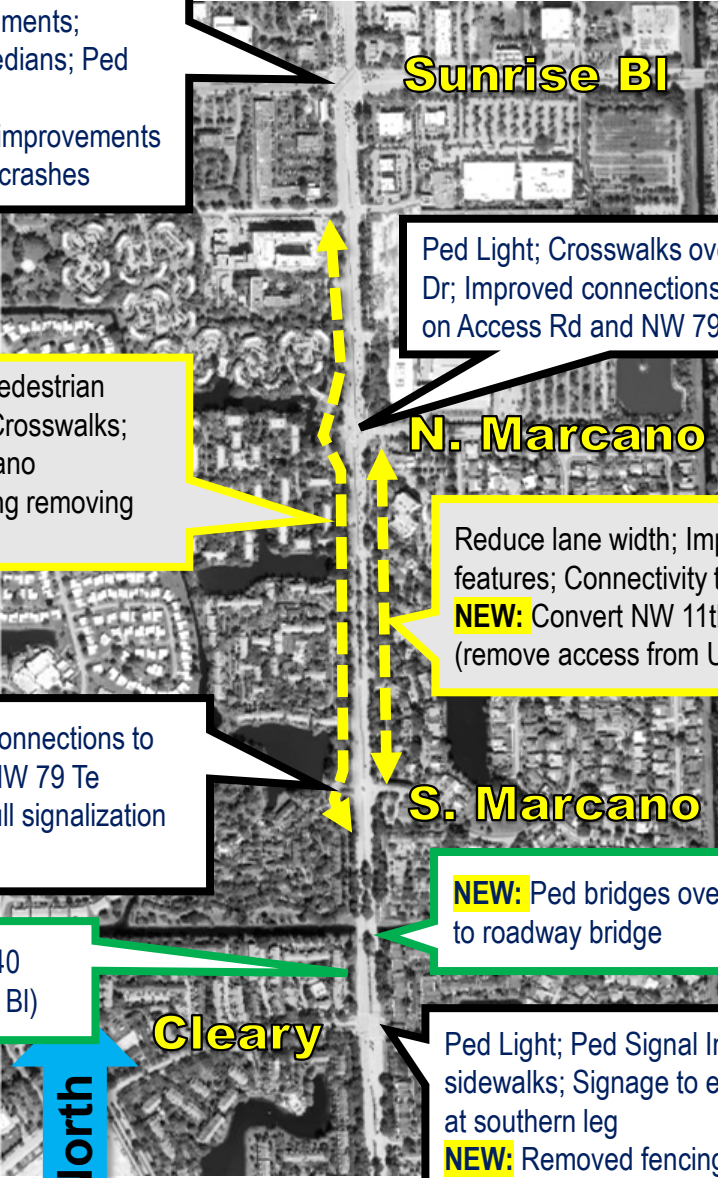
# University Drive: Final Recommendations

Ped Light; Ped Signal Improvements; Tighten Curb Radii; Extend Medians; Ped Refuge Islands  
**NEW:** Request FDOT identify improvements to reduce excessive nighttime crashes

Reduce lane width; Expand Pedestrian space; Ped Lighting; Raised Crosswalks; Connectivity to N and S Marcano  
**NEW:** 2 New Options, including removing trees

Full signalization; Ped Light; Connections to sidewalks on Access Rd and NW 79 Te  
**NEW:** Advised to FDOT that full signalization is City's #1 preference

**NEW:** Reduce Speed Limit to 40 MPH (same as south of Cleary BI)

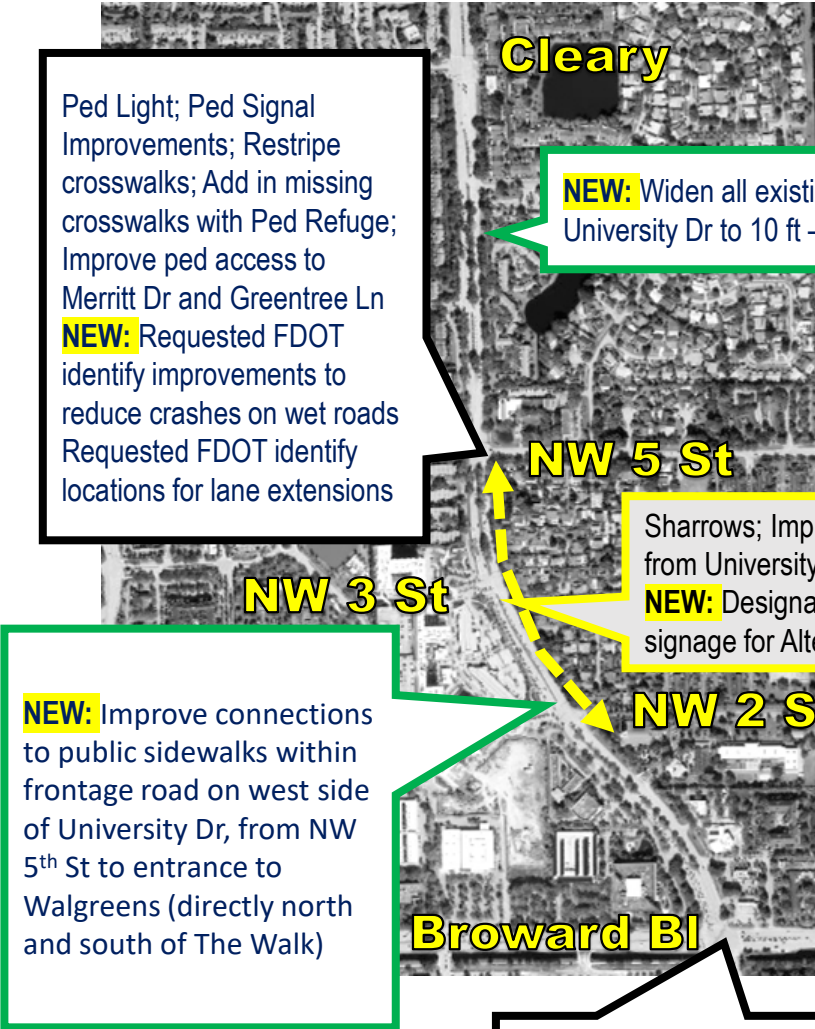


**Sunrise BI**  
 Ped Light; Crosswalks over University Dr; Improved connections to sidewalks on Access Rd and NW 79 Te

**N. Marcano**  
 Reduce lane width; Improve Pedestrian features; Connectivity to N and S Marcano  
**NEW:** Convert NW 11th Place to right-out only (remove access from University Dr)

**S. Marcano**  
**NEW:** Ped bridges over C-12 canal, parallel to roadway bridge

Ped Light; Ped Signal Improvements; Widen sidewalks; Signage to encourage crosswalks at southern leg  
**NEW:** Removed fencing from median



Ped Light; Ped Signal Improvements; Restripe crosswalks; Add in missing crosswalks with Ped Refuge; Improve ped access to Merritt Dr and Greentree Ln  
**NEW:** Requested FDOT identify improvements to reduce crashes on wet roads Requested FDOT identify locations for lane extensions

**NEW:** Improve connections to public sidewalks within frontage road on west side of University Dr, from NW 5th St to entrance to Walgreens (directly north and south of The Walk)









**Cleary BI**  
**NEW:** Widen all existing sidewalks along University Dr to 10 ft – 12 ft

**NW 5 St**  
 Sharrows; Improved Ped Access from University Dr  
**NEW:** Designate / provide signage for Alternate Bike Route

**NW 3 St**  
**NW 2 St**  
**Broward BI**  
 Enclose canal; Ped Bridge; Fencing in medians; Widened crosswalks; Porkchop with raised crosswalk in SE corner  
**NEW:** Design porkchop with mountable curb



## Signalized Intersection

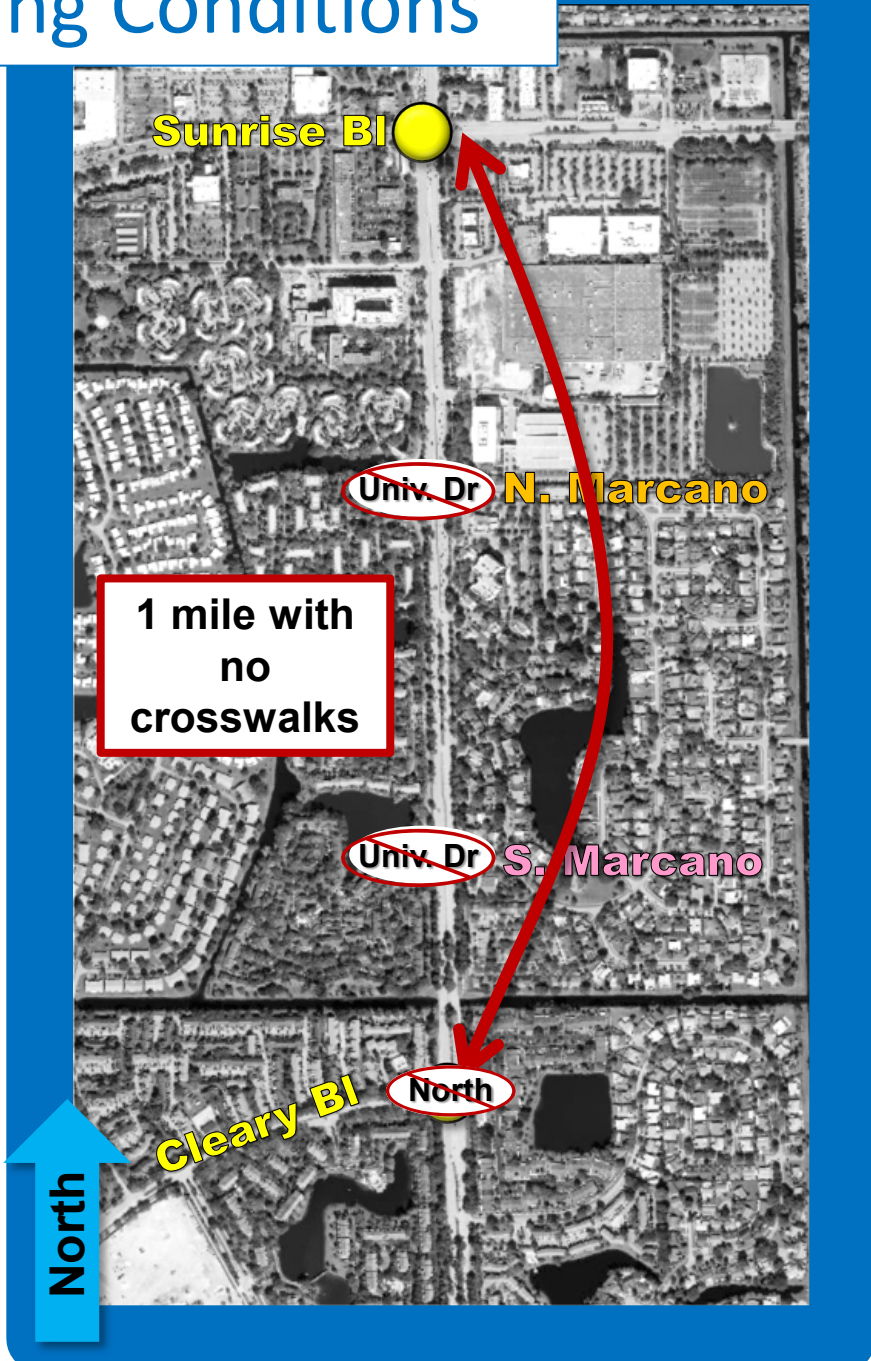
-  Pedestrian Path
-  Shared-Use Path
-  Property Lines
-  Required easement
-  Existing Covered Bus Stop
-  Sidewalk/Pedestrian Space
-  Traffic Light
-  Stop Sign



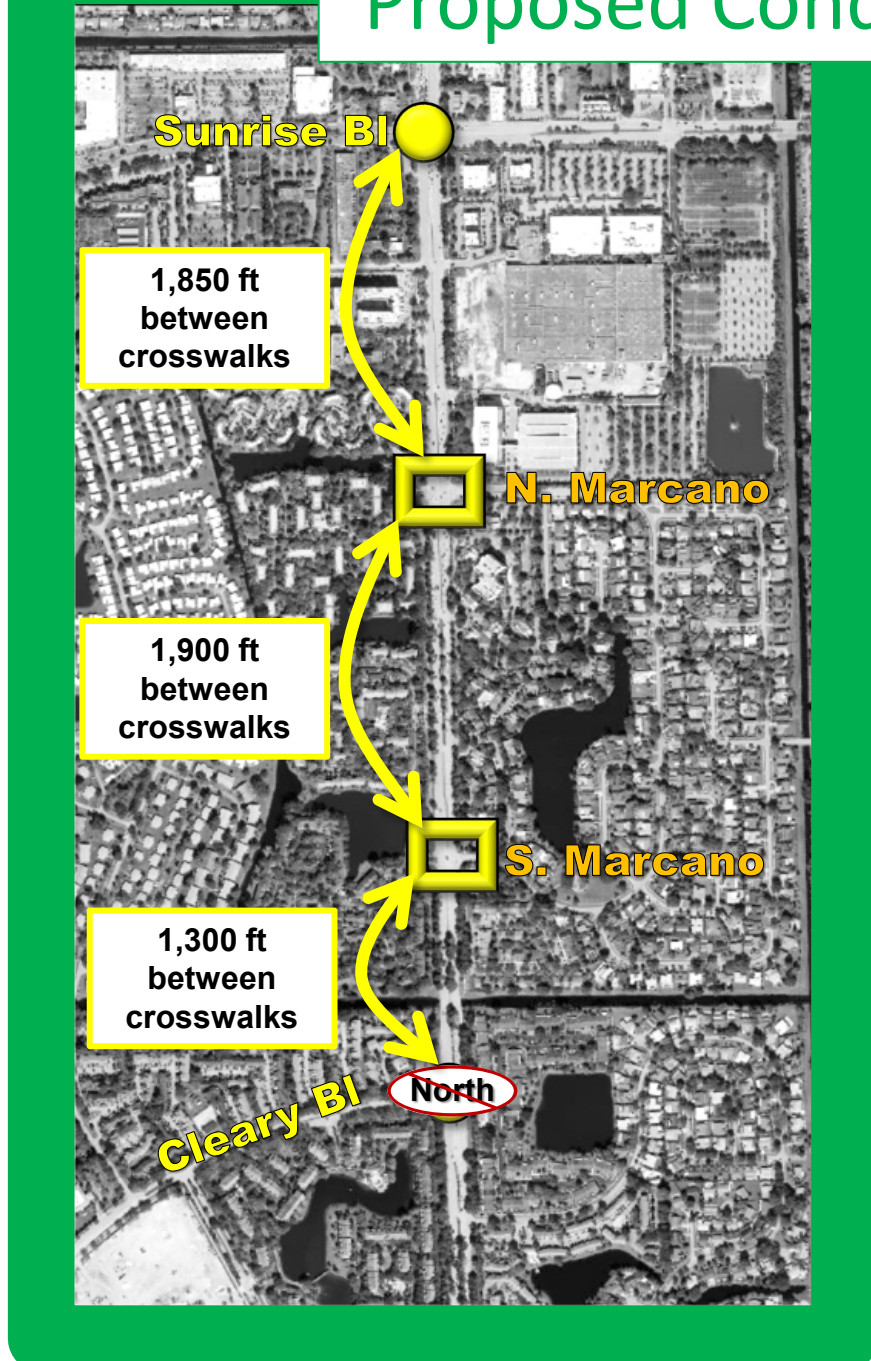
- Construct full signalized intersection with crosswalks on all legs (will require signal warrant analysis).
- Remove island for traffic light
- Install leading pedestrian interval (LPI) signal timing.
- Add/Enhance crosswalks to special emphasis
- Install raised crosswalks on Access Road
- Curb extension/curb radii
- Add pedestrian space to NE corner
- New sidewalks 6' wide connecting to Access Road and Bus Stop
- Extend medians Reconfigure median island for eastbound traffic thru lane
- Install lighting near Access Road & University Drive



# Existing Conditions



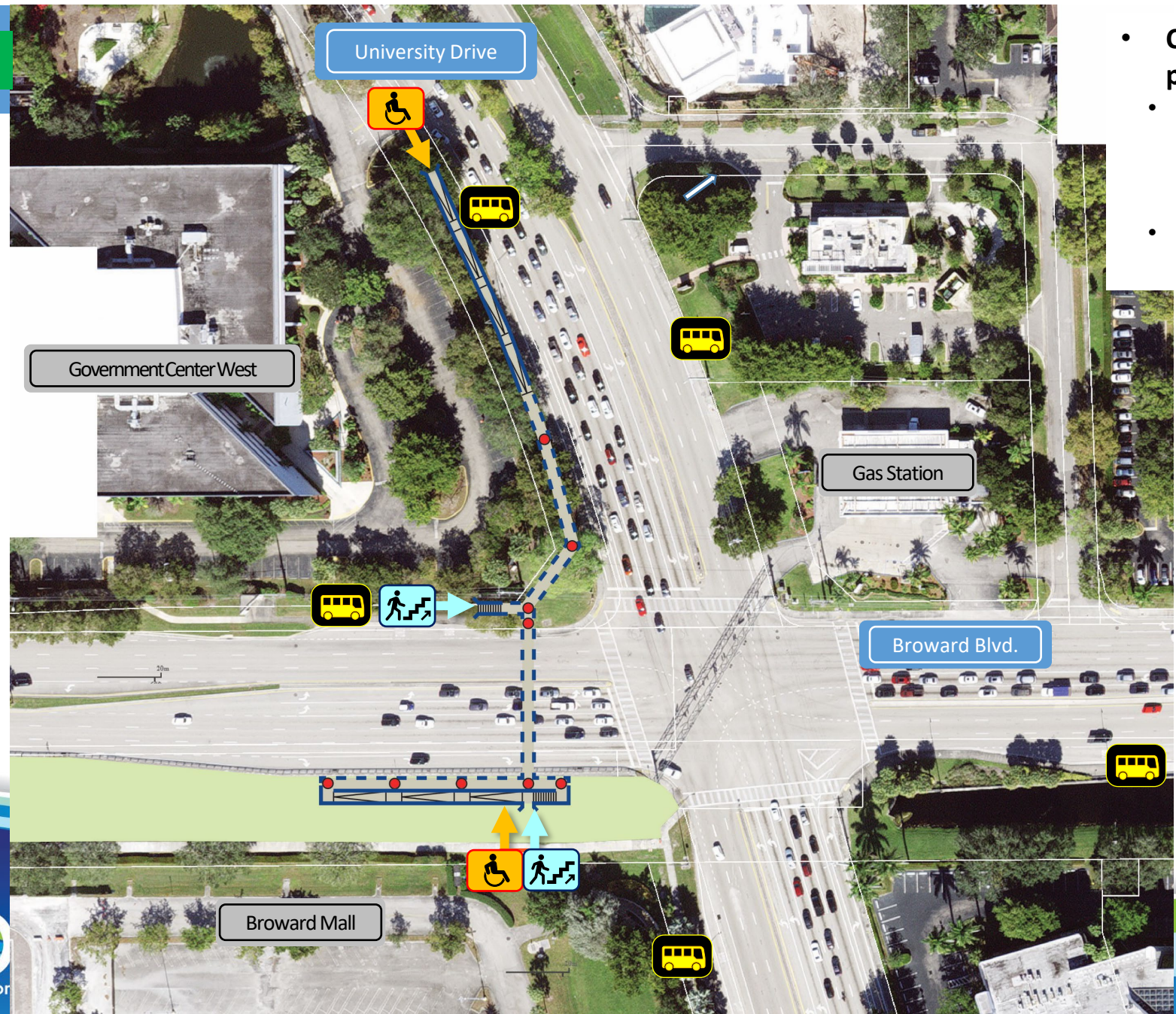
# Proposed Conditions





## Ped. Bridge Access

-  Pedestrian Path
-  Location of bridge columns
-  Pedestrian Bridge
-  Midtown Linear Park
-  Bus stop locations



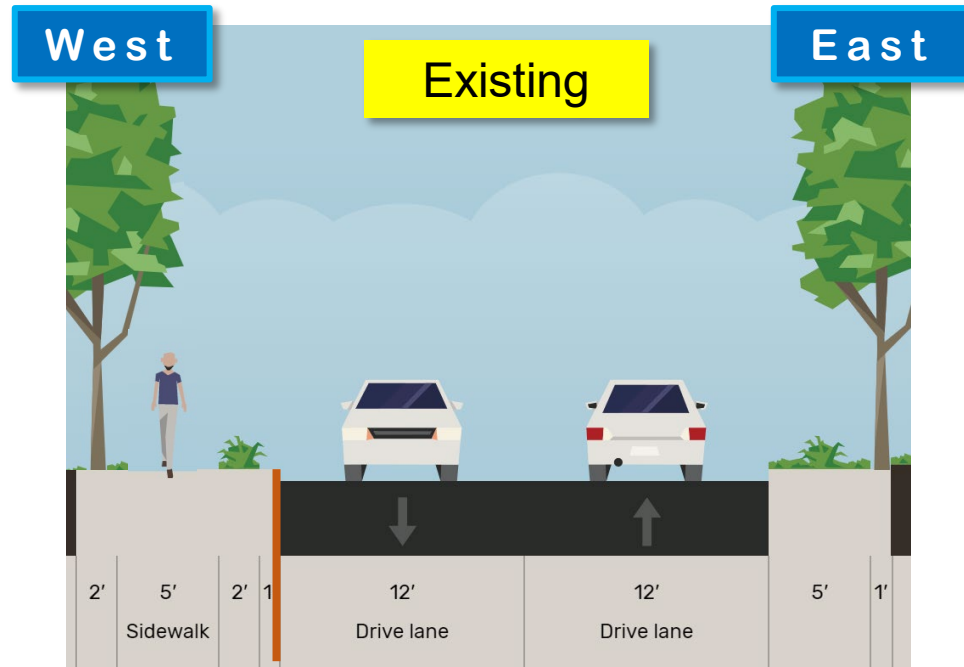
- **Cover canal to provide linear park**
  - Example: Coral Springs Art Walk north of NW 31<sup>st</sup> Court, which was built by undergrounding a canal
  - Linear park approximately 30,000 sq ft.



# Western Access Rd: NW 17th Ct to S. Marciano Blvd

## 2 Options

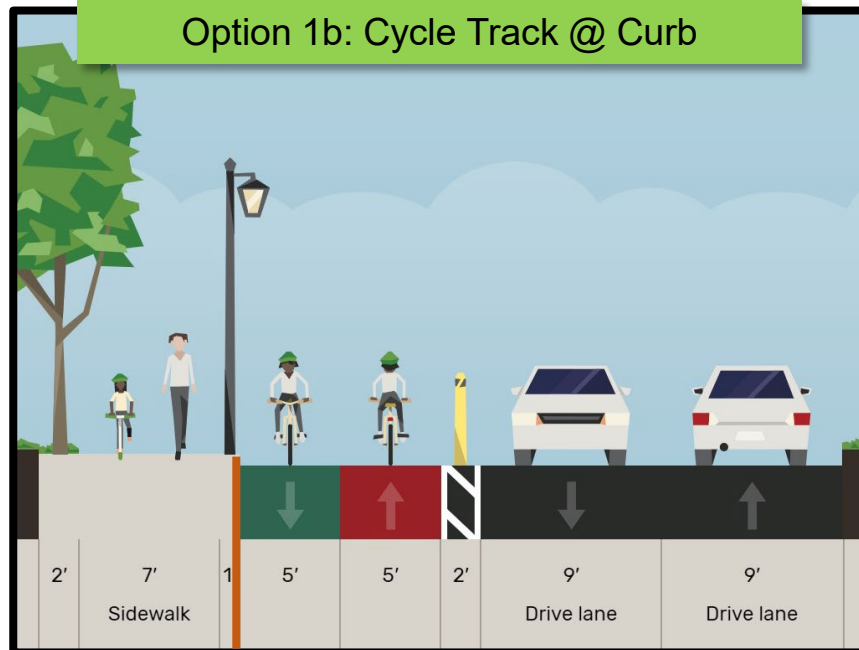
- Stay within City ROW
- Ped-Scale Lighting along Access Rd
- Raised Crosswalks near intersections



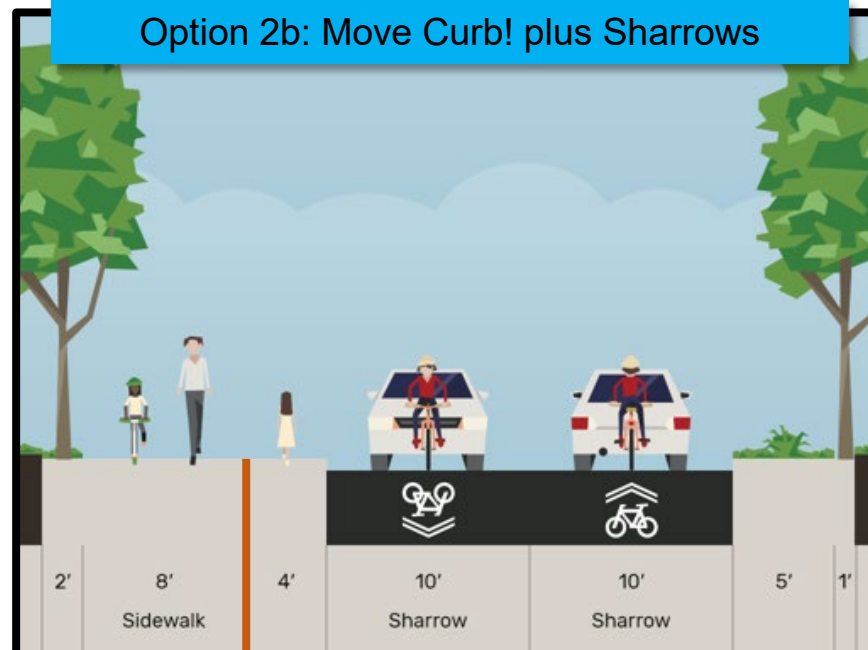
## Issues:

- May **not** be feasible in portions of Access Rd with narrower median because of FPL poles.

## Option 1b: Cycle Track @ Curb



## Option 2b: Move Curb! plus Sharrows

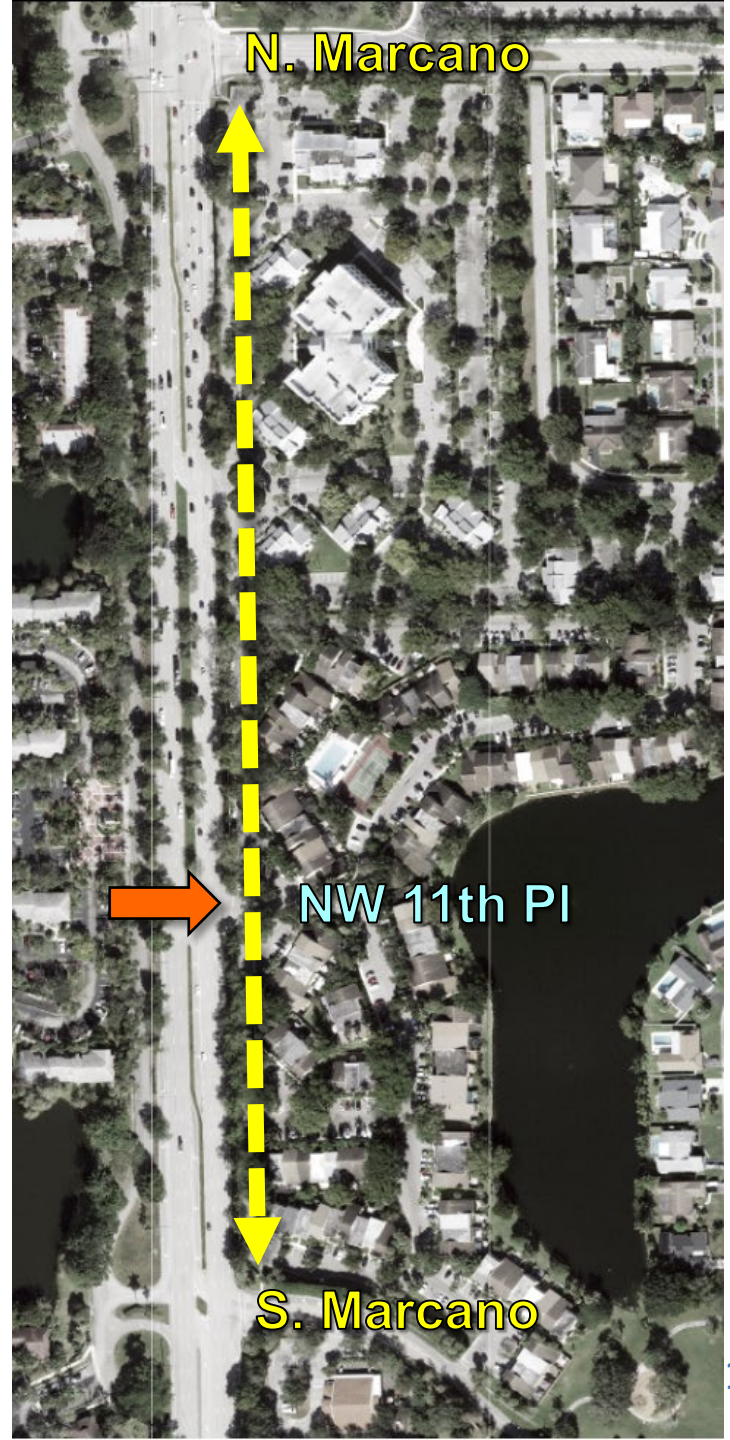


## Issues:

- High cost due to moving of curb (reconstruct drainage structures)
- May be feasible *without* removing trees

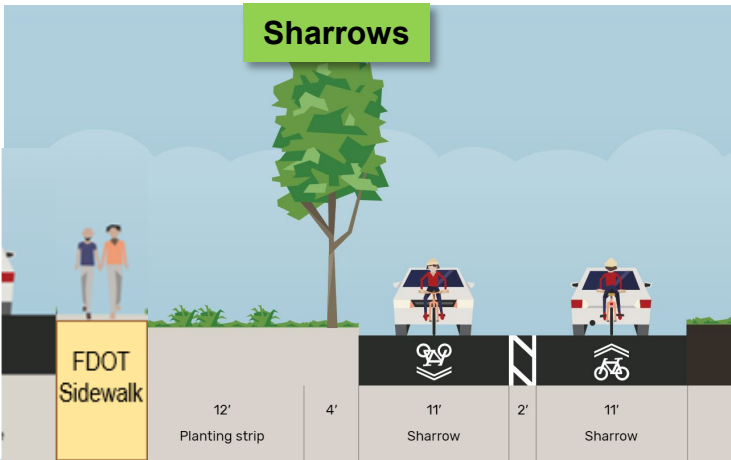
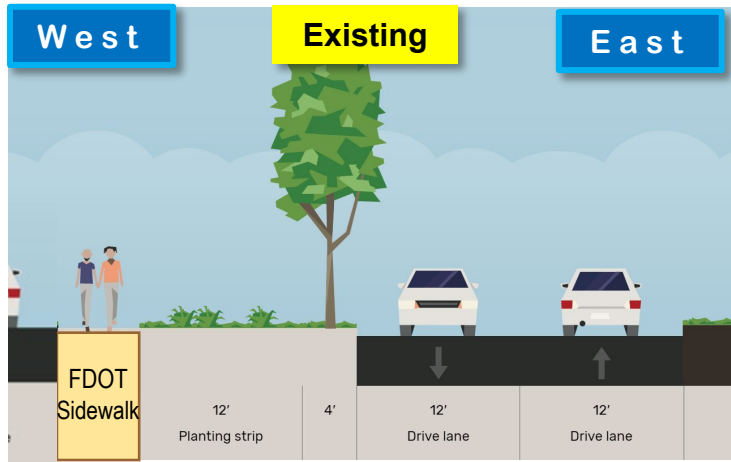


- Recommendations**
- ✓ Sharrows
  - ✓ Narrow Lanes to 9 ft
  - ✓ Widen sidewalks & fill in sidewalk gaps
  - ✓ Add in missing curb ramps & crosswalks
  - ✓ Ped-scale lighting
  - ✓ Convert NW 11<sup>th</sup> Place to right-out only (no access from University Dr)





# Green Tree Lane



Existing Access at NW 3 St



2018 /2019 Access



- ## Recommendations
1. Sharrows
  2. Bike Route / Share The Road Signage
  3. Provide / Improve Access to / from University Dr adjacent to intersections for NW 5th St, NW 3rd St, and NW 2nd St



# C-12 Canal Bridge

## Observations

1. Bicyclists riding on sidewalk
2. North of bridge, both sidewalks are setback ←
3. The bridge's western sidewalk is the 1st sidewalk along University Dr south of NW 17th Ct
4. City owns 40 ft ROW east / west of bridge both north and south of bridge ←
5. Canal is owned by Old Plantation Water Control District
6. No protection of sidewalk from drive lanes ←
7. Observed speeding
8. No ped-scale lights



### Recommendation

1. Parallel Ped-Only Bridges (example NW 21<sup>st</sup> Av)
2. Setback southern sidewalks to join bridge landing

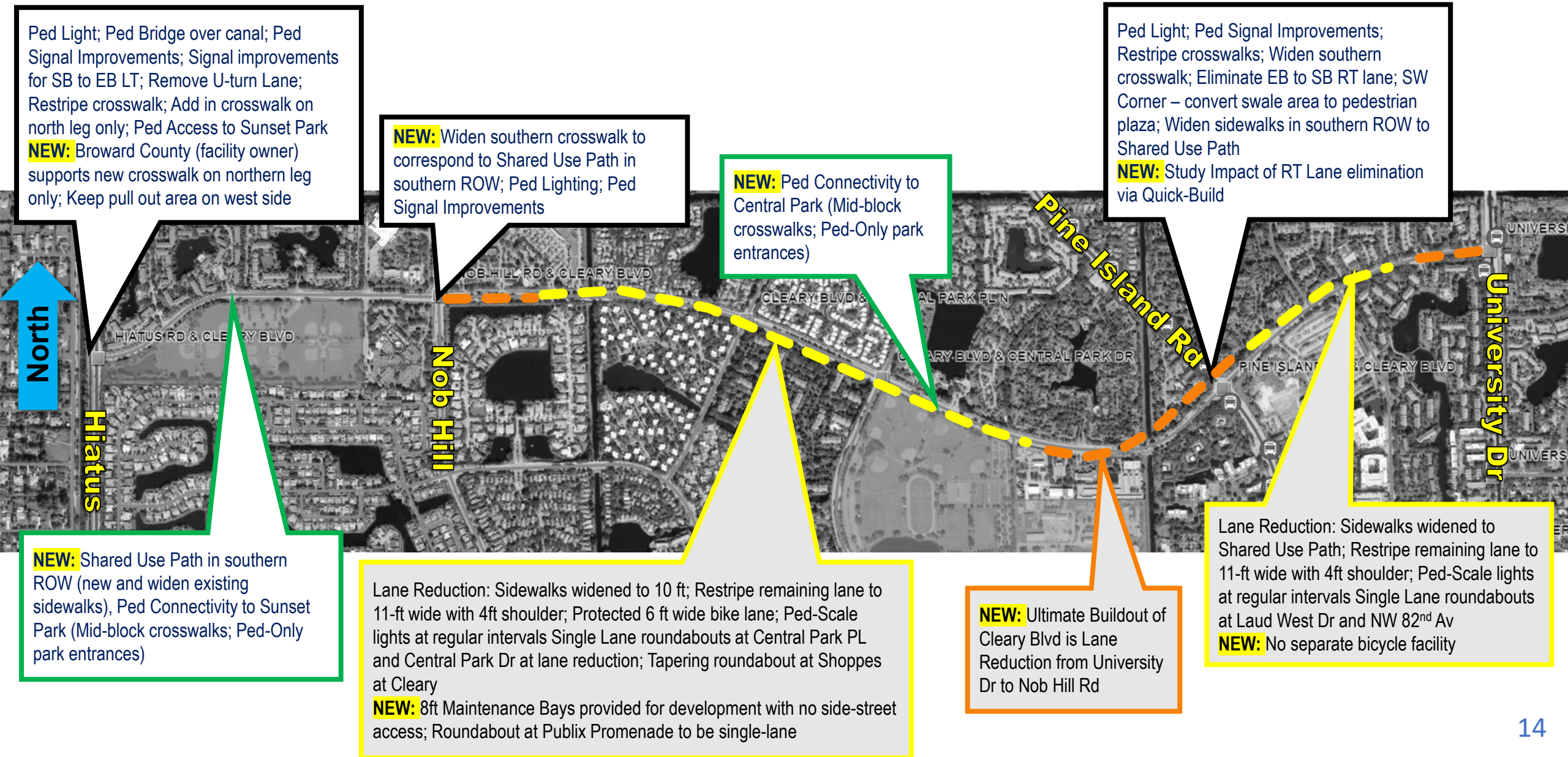


# Cleary Blvd

## Vision

- Multimodal Corridor providing citywide east/west connectivity
- Separated, protected, continuous, and convenient pedestrian facilities

# Cleary Blvd: Final Recommendations



Ped Light; Ped Bridge over canal; Ped Signal Improvements; Signal improvements for SB to EB LT; Remove U-turn Lane; Restripe crosswalk; Add in crosswalk on north leg only; Ped Access to Sunset Park  
**NEW:** Broward County (facility owner) supports new crosswalk on northern leg only; Keep pull out area on west side

**NEW:** Widen southern crosswalk to correspond to Shared Use Path in southern ROW; Ped Lighting; Ped Signal Improvements

**NEW:** Ped Connectivity to Central Park (Mid-block crosswalks; Ped-Only park entrances)

Ped Light; Ped Signal Improvements; Restripe crosswalks; Widen southern crosswalk; Eliminate EB to SB RT lane; SW Corner – convert swale area to pedestrian plaza; Widen sidewalks in southern ROW to Shared Use Path  
**NEW:** Study Impact of RT Lane elimination via Quick-Build

**NEW:** Shared Use Path in southern ROW (new and widen existing sidewalks), Ped Connectivity to Sunset Park (Mid-block crosswalks; Ped-Only park entrances)

Lane Reduction: Sidewalks widened to 10 ft; Restripe remaining lane to 11-ft wide with 4ft shoulder; Protected 6 ft wide bike lane; Ped-Scale lights at regular intervals Single Lane roundabouts at Central Park PL and Central Park Dr at lane reduction; Tapering roundabout at Shoppes at Cleary  
**NEW:** 8ft Maintenance Bays provided for development with no side-street access; Roundabout at Publix Promenade to be single-lane

**NEW:** Ultimate Buildout of Cleary Blvd is Lane Reduction from University Dr to Nob Hill Rd

Lane Reduction: Sidewalks widened to Shared Use Path; Restripe remaining lane to 11-ft wide with 4ft shoulder; Ped-Scale lights at regular intervals Single Lane roundabouts at Laud West Dr and NW 82<sup>nd</sup> Av  
**NEW:** No separate bicycle facility



# Cleary Blvd: Sunset Park area



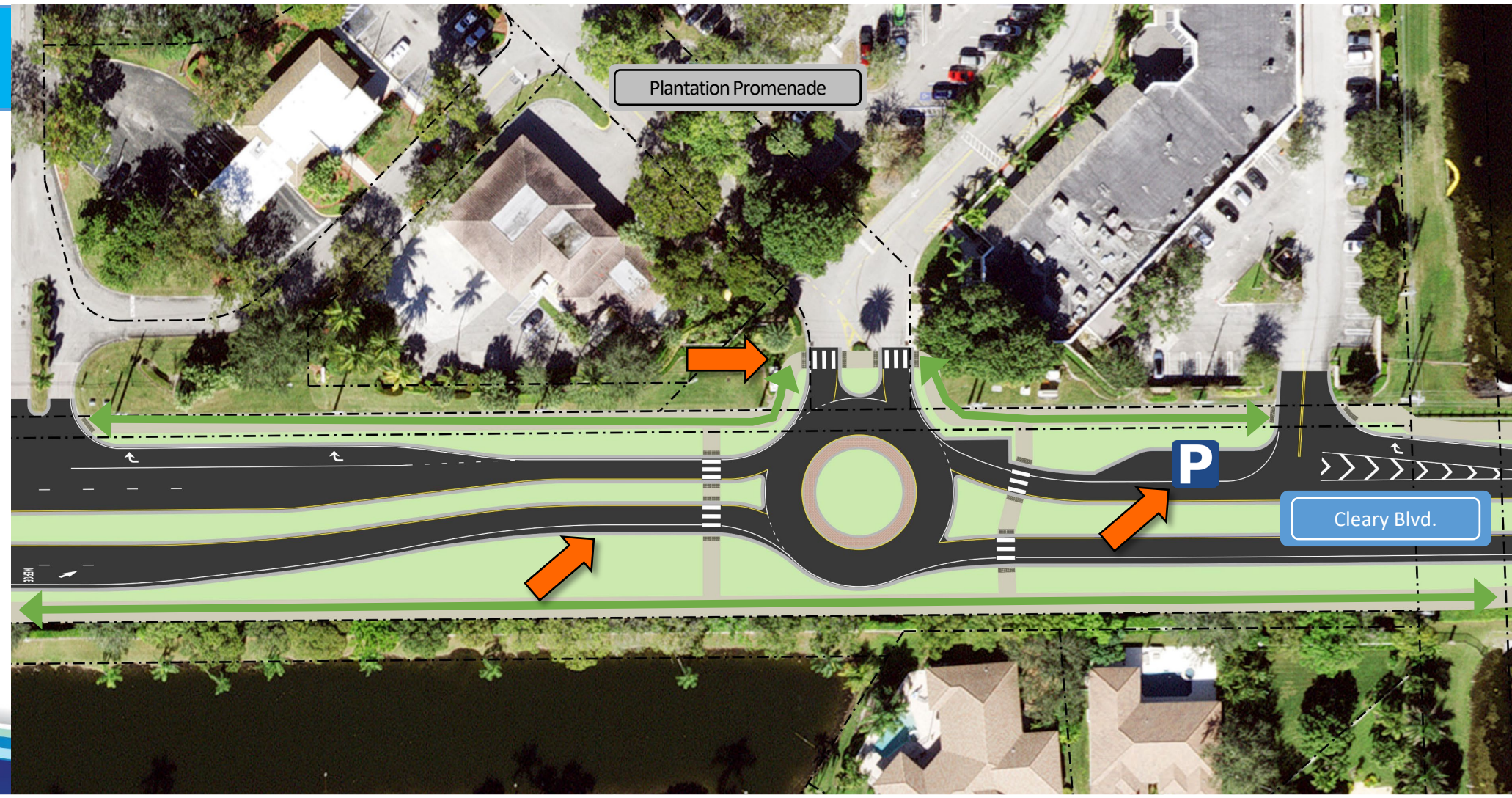


# Roundabout at Plantation Promenade

## Single-Lane Roundabout

-  Pedestrian Path
-  Shared-Use Path
-  Property Lines
-  Sidewalk/Pedestrian Space
-  Maintenance Pullout/Parking

- Single lane roundabout does not require relocation of powerlines and storm drains
- Preliminary layout of multi-lane roundabout requires additional ROW
  - Relocation of power lines abutting northern edge of northern sidewalk
  - Relocation of storm drains





North

South

# Cleary Blvd - Existing

## Lane Reduction @ Central Park



- ✓ Quick-build lane reduction
- ✓ Bike lane can be protected by temporary, low-cost, or high-cost materials
- ✓ Ped / Bike activity separated
- ✓ Curb does not need to be moved
- ✓ Bike Lanes to be accommodated at Roundabouts and Bus Bays

1. Existing Sidewalks widened to 10 ft
2. One drive-lane repurposed
3. Restripe remaining lane to 11-ft wide with 4ft shoulder
4. Add 6 ft wide, *protected* bike lane
5. Roundabouts at Central Park PL and Central Park Dr at lane reduction
6. Ped-Scale lights at regular intervals
7. 8 ft Maintenance Bays provided for developments with no side-street access

# Cleary Blvd - Lane Reduction



## Pine Island Rd

Taper to lane reduction /  
Convert to Ped Area

Widen existing sidewalk to  
Shared-Use Path

Widened curb / Pedestrian  
plaza: "Midtown Entrance"

Tighten Curb Radii

### Plantation Midtown Square




Restaurant

Eliminate RT Lane / Convert to Pedestrian Area  
\*\*Study impact via Quick Build

Convert existing thru  
lane to thru and FT lane



#### Improvements to ALL Intersections

- High visibility crosswalk markings 
- Ped-Scale lighting near / at intersections 
- LPI signal phasing (plus countdown) 



# Pine Island Rd

- Right-turn lane is approximately 110 ft length
- Fully within City-owned ROW
- City property line is to back on sidewalk
- The space is critical to widening southern sidewalk to shared use path and to tightening curb radii (minimizing distance to cross Pine Island Rd)
- Due to landscaping and wall on NW corner, there is obstruction to visibility from existing right-turn lane. Vehicles must pull out past crosswalk in order to see SB traffic.



Gingerwood Place  
Townhouse





# Lane Reduction at Laud. West Dr




## Detailed Improvements

-  Existing Curb Location
-  Pedestrian Path
-  Enhanced Crosswalk
-  Shared-Use Path
-  Sidewalk/Pedestrian Space
-  Buffering/Landscaping Space
-  Roundabout Truck Apron
-  Rectangular Rapid-Flashing Beacon (RRFB)



- Reconfigurations of intersections into two roundabouts
- Widen sidewalks to 10'-12' wide shared-use path for both pedestrian/bike traffic on southern edge of Cleary Blvd.
- Enhanced Crosswalk to be equipped with Rectangular Rapid-Flashing Beacon
- Westbound Cleary Blvd. to expand back to two thru lanes west of Lauderdale W Drive

## Improvements to ALL Intersections

- High visibility crosswalk markings 
- Ped-Scale lighting near / at intersections 
- LPI signal phasing (plus countdown) 



# MMTP Phase 2: Next Steps

**Meeting #5:**  
**Final**  
Recommendations  
**Jan. 11<sup>th</sup>**

## Deliverables



# MMTP Phase 2: Public Engagement

Event	Date	Time	Description
Rock the Park @ Central Park	Feb 3	6 pm	MMTP General Outreach <ul style="list-style-type: none"> <li>• Handout with (1) QR Code to Broward MPO webpage, (2) Info for Community Meetings, and (3) Link for residents to sign-up for more information and provide comment</li> </ul>
City Hall – Community Mtg	Feb 28	6 pm	University Dr Projects
Central Park - Community Mtg	March 14	6 pm	Cleary Blvd and Nob Hill Rd Projects
Midtown Adv Board	March 16	11 am	MMTP Presentation (General)
P&Z Board Mtg	April 11	6 pm	MMTP Presentation (General)
Gateway Adv Board	April 19	11 am	MMTP Presentation (General)
Park East HOA Mtg	April TBD	6 pm	NW 46 <sup>th</sup> & NW 5 <sup>th</sup> Projects
City Council Workshop	May 10	6 pm	MMTP Presentation (General)

Plantation  
the grass is greener™

**PUBLIC INPUT OPPORTUNITY:  
MULTIMODAL MASTER TRANSPORTATION PLAN**

## YOU'RE INVITED

Come visit the Multimodal Master Transportation Plan (MMTP) booth at Rock The Park!

Learn about the MMTP.  
Share your experiences and vision with staff.  
Help identify future improvements for your community.

**WHEN & WHERE**  
Friday, February 3, 2023 at 6:00pm  
Central Park  
600 Central Park Drive

**DROP IN ANY TIME AND SHARE YOUR IDEAS!**

# MMTP Phase 2: Project Schedule



## Deliverables



# General Discussion



Move People & Goods | Create Jobs | Strengthen Communities

# MMTP Task 4 Mid / Long-term Improvements

## Staff Working Group - Monthly Meeting

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