

The City of Wilton Manors **TRANSPORTATION** anning **MASTER PLAN** sland Cit



Learn more today!

browardmpo.org/plans/city-of-wilton-manors







BrowardMPO.org

Agenda

- TMP: Brief Refresher
- Since we last met....
- Workshop Discussion:
 - 1. Plan Study Area Recommendations
 - 2. Westside Route
- Community Meetings + Next Steps

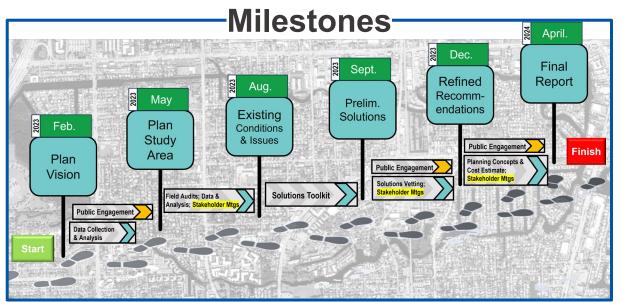


Metropolitan Planning Organization





TMP: Brief Refresher





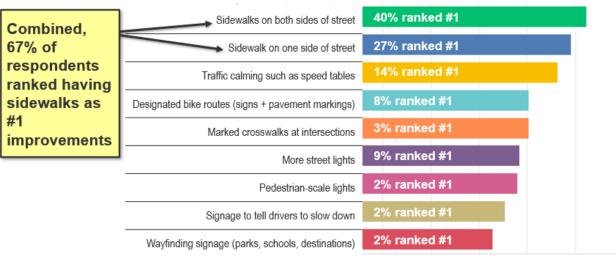
-Vision-

Vision of the City of Wilton Manors The *Transportation Master Plan* is to develop multimodal facilities that create a **cohesive community** and address the diverse needs of residents, Plan's visitors. and business owners. The recommended improvements are intended to improve safety, walkability, quality of life, and economic development through the provision of safe, comfortable, and convenient walking and **biking networks**. Specific consideration is given facilities needed for both daytime and to nighttime usage. By identifying specific transportation projects, the plan is intended to assist the City in **prioritizing effective** transportation investments in the short, mid, and long term.

Since we last met....Survey Monkey

- Sept 5 Dec 1, 2023
- 3 questions plus general comment
- 151 responses
- 80 general comments

Q3: For the "residential" roads (NE 24 St, NE 21 Ct, or westside route): Please rank in order the improvements you think are most important (Rank #1 is most important) Answered: 146 Skipped: 5



Most Common Topics 37	Торіс
	21 Ct
28	Power
22	Andre
15	Wests
10 10	Sidewa
	NE 26
21 ^{CC} possible Prototo Print Hadde Stephen HE 25 ^{CD} and prototo Beer Faller	Speed Enford
2 ¹ ^{C)} _{Posedifie Pd} _{Hotolog} Nd _{Hotolog} _{Statelog} ^{Add}	Bike F

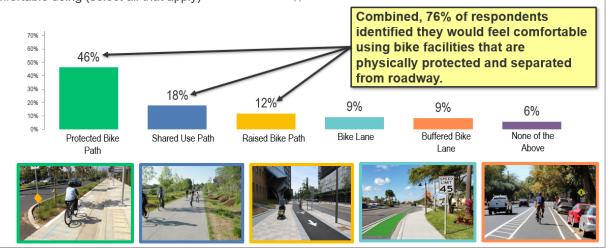
1

2

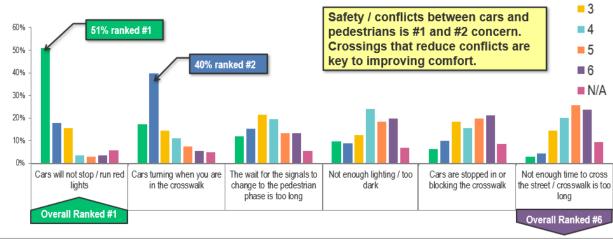
5	37	Торіс	Frequent comments		
		21 Ct	Sidewalk gaps Sharp curve on NW 21 Ct Bike / Ped improvements needed for crossing at Andrews Av		
2	8	Powerline Rd	Speeding / Safety Need for protected Bike Lanes		
22		Andrews Av	Speeding / Safety Running Red Lights Improve crossings over roadway Landscaped center lane medians		
		Westside	Sharp curve on NW 21 Ct Bike / Ped improvements needed for westside residents crossing at Andrews Av @ 21 Ct Traffic calming needed Bike / Ped improvements may increase crime		
		Sidewalk	NE 26 St: needs wide sidewalks NE 21 Ct: Sidewalk gaps Westside: Sidewalks for southern end or NW 21 Ct Citywide: Want sidewalks on all streets Citywide: existing sidewalk conditions or width		

ŧ.	-	Sidewalk	end or NW 21 Ct ● Citywide: Want sidewalks on all streets ● Citywide: existing sidewalk conditions or width
		NE 26 St	Speeding / Safety ● More Crossings (NE 14 Av, from NE 6 Av to 5-Points) ● Bike: Want separate / protected bike facilities (Lane Reduction) ● Dark to cross roadway at night ● Opposed to Lane Reduction
ille ⁵		Speeding / Enforcement	Need to slow cars ● Speed enforcement needed ● NE 26 St ● Andrews Av ● Powerline Rd ● Westside
	Bike Facilities	Andrews Av: dangerous for bicyclists / separated & protected bike lanes ● NE 26 St: separated & protected bike lanes ● NE 26 St: uniform bike lanes ● Powerline Rd: dangerous for bicyclists / separated & protected bike lanes ● Citywide: Safe bike paths / lanes needed	

Q1: For Powerline Rd, Andrews Av, NE 26 St, and Dixie Hwy: Please select the **bike facilities** you would feel comfortable using (select all that apply) Answered: 151 Skipped: 0



Q2: For Powerline Rd, Andrews Av, NE 26 St, and Dixie Hwy: Please rank in order your concerns about using **crosswalks** (Rank #1 is greatest concern) Answered: 150 Skipped: 1



PLUS! Stakeholder Meetings

✓ 1/3/2024: City Staff Working Group Meeting - Recommendations
 ✓ 1/17/2024: Broward County Complete Streets Team Meeting
 ✓ 1/17/2024: FDOT – Recommendations for FDOT Roadways

Workshop Discussion

• Part 1: Plan Study Area Recommendations

- Recommendations are based on the TMP's Vision, Existing Conditions, Public Engagement Feedback, Stakeholder Meetings, and Best Practices of Mobility and Safety Countermeasures
- Recommendations are <u>*Planning-Level*</u> Concepts. They reflect roadway and surrounding conditions but are not based on roadway surveys. Specific locations, materials, signalization, and similar details would be refined during project design.
- The TMP will include for the Recommendations: cost estimates, scope of work, and list of additional studies needed.

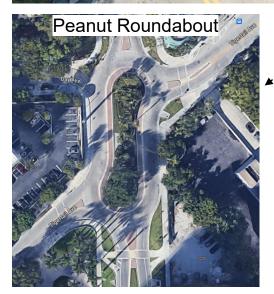
Part 2: Westside Route

- Two potential bike / pedestrian routes have been identified in the neighborhood located between Powerline Rd and Andrews Av, south of NW 29 St.
- Recommendations for improvements include an option with sidewalks and an option without sidewalks.
- The TMP will include cost estimates, scope of work, and list of additional studies needed.



Recommendations: Legend & Examples







Rebuild Raised Intersection

Raised Intersection - -

Mini Roundabout

Peanut Roundabout



Add Pedestrian Phase

Increase Pedestrian Phase

Add All Pedestrian Phase / Scramble - -

Speed Hump/Table



Raised Crossing with RRFB

Center Lane Median ~~.

Close Median Access

Convert to Right in / Right Out



Update / Install RRFB (Double-sided RRFB / Both sides of roadway)

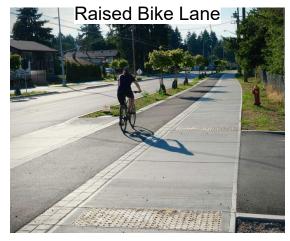






Recommendations: Legend & Examples







- Lane Repurposing Lower Design Speed to 30 MPH Add Lane Definition **Raised Bike Lane or Shared Use Path** Widen Sidewalk to 8' New sidewalk **Clearly Define Sidewalk** Paint 5' Bike Lane
 - Shared Lane Markings
 - Evaluate Lighting
 - Relocate BCT Stop

Convert to Bus Bulb - - ·





Recommendations: General Solutions for Plan Study Area

Signalized Intersections

- Signals should be retimed to allow for pedestrians to cross at 3.5 ft / second; where senior housing is present, they should allow crossings at 2.8 ft / second
- ✓ **Leading pedestrian interval** treatments will be considered
- ✓ **Protected left turn phases** will be considered
- Left turn calming treatments like hardened centerlines will be considered
- Pedestrian refuge islands or treatments to reduce crossing distance will be evaluated and included as space permits

Other Improvements

- All mid-block crossings are intended to include Rectangular Rapid Flashing Beacons (RRFBs) (or signals)
- ✓ On 2-Lane roads, **mid-block crossings** should also be raised
- Conflict Markings should be added at Intersections, Driveways & Back-out parking lots
- ✓ Side Street Curb Radii should be narrowed (Curb Extension)
- ✓ Add Wayfinding Signage
- Underground Utilities
- ✓ Evaluate **Lighting** for safety and comfort





Shared Use Path Conflict Markings



NE 26 St



- ✓ Redesign Roadway to better match adjacent land use (School / Childcare, Community Facilities, Retirement Homes, Low / Medium Density Residential, and Redevelopment / Mixed-use).
- ✓ Redesign east portion of NE 26 St to have consistent (30 MPH) speed limit as west portion
- Provide dedicated Bike Facilities along entire roadway
- ✓ Limit turning conflicts
- ✓ Improve Access Management
- ✓ Reduce severity of crashes
- Improve Comfort and Safety of Pedestrian facilities along entire roadway
- ✓ Improve Comfort, Safety, and Convenience of for crossing over NE 26 St



NE 26 St - East

Lane Repurposing Option

Background:

- 1. NE 26 St east of 5-Points is owned by Broward County
- 2. For Lane Repurposing requests, the County requires a Traffic Analysis and approval by the County Commission.
 - A Traffic Analysis assesses the impacts of a lane repurposing, including intersection capacity analysis, diversion analysis, and volume projections.
- 3. In 2022, Broward County Highway Construction and Engineering Division staff did a *high-level* review of a lane repurposing of NE 26 St.
 - County staff did not think the lane elimination would meet the County's criteria due to projected volume (based on the BMPO's "Roadways Capacity and LOS Analysis (2045)")
 - The County did NOT prepare a Traffic Analysis.
 - The BMPO's "Roadways Capacity and LOS Analysis" is a data point used by BMPO as an input. *It is not intended to be a traffic analysis tool.*

Why Lane Repurposing?

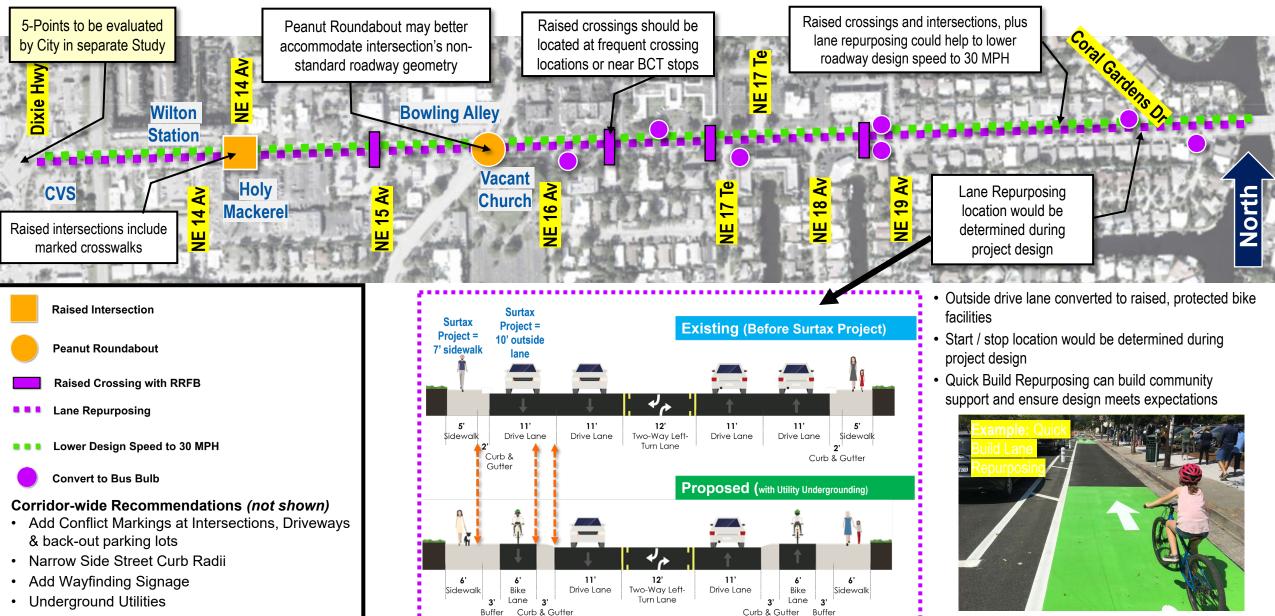
- Public feedback during the TMP indicates a desire for bicycle facilities along NE 26 St, as well as a slower roadway with overall improved pedestrian comfort
- NE 26 St is a collector, not an arterial, indicating a street which mainly provides access to destinations as opposed to a through street providing regional mobility
- NE 26 St between Dixie Hwy and NE 19 Av scores in the top 25% for weighted walking and biking crashes per mile in the City.
- Plans for future development (particularly between Dixie Hwy and NE 15 / 16 Av) suggest a more urban environment similar to Wilton Dr which will increase demand for walking and biking along and across NE 26 St
- The Broward County Surtax project does not include bicycle facilities for NE 26 St.
- The only method to construct bike facilities along NE 26 St would be through a Lane Repurposing

Technical Feasibility:

- Current AADT (roadway volumes) are:
 - Andrews Av to NE 15 / 16 Av: 14,300
 - NE 15 / 16 Av to US1: 12,000
- The BMPO's "Roadways Capacity and LOS Analysis" (2045) forecasts NE 26 St west of 5-Points will decrease in volume (14,500 to 11,300)
 BUT east of 5-Points will increase in volume (12,200 to 21,000)
 - This forecast is inconsistent with existing roadway volumes.
 - The subarea of NE 26 St east of Dixie Hwy has not been validated to predict future forecasted volumes and local travel patterns.
- A Traffic Analysis would assess how this portion of NE 26 St may operate in the future given its limited distance.
 - Factors which should be considered include: Recent future development; The impact of the rail crossing and increasing train activity; The impact of a potential future rail stop; Network connectivity (or lack thereof); Origin / Destination patterns for existing trips
- <u>The BMPO's Scope for the TMP does **NOT**</u> include a Traffic Analysis
- County Staff have confirmed that the County will evaluate a Lane Repurposing request based on a Traffic Analysis.

NE 26 St - East

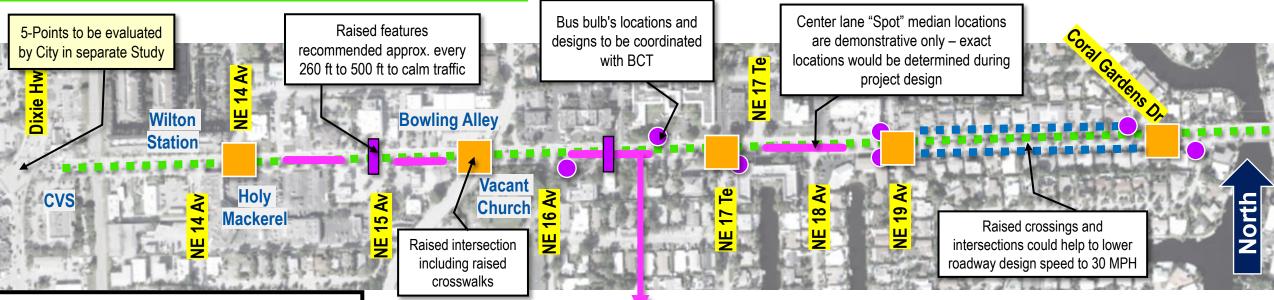
Lane Repurposing Option



• Evaluate Lighting at Crossings

NE 26 St - East

5-Lane Option (No Bike Facilities)



Raised Intersection Raised Crossing with RRFB Center Lane Median Lower Design Speed to 30 MPH Add Lane Definition Convert to Bus Bulb

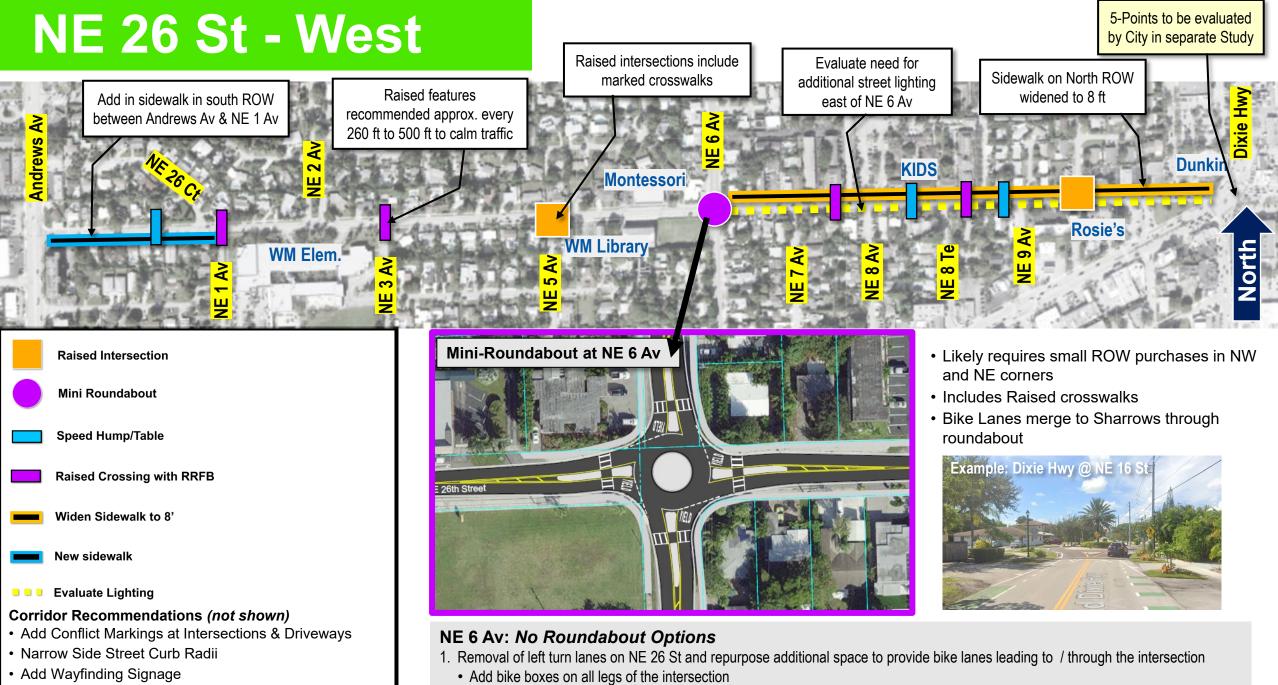
Corridor-wide Recommendations (not shown)

- Add Conflict Markings at Intersections, Driveways & back-out parking lots
- Narrow Side Street Curb Radii
- Add Wayfinding Signage
- Underground Utilities
- Evaluate Lighting at Crossings



- Center lane medians would improve access management by limiting free flow left turn and U-turn movements
- · Center lane medians also provide locations for new crosswalks
- Locations of medians would be determined during project design
- Quick Build medians can build community support and ensure design meets expectations





Underground Utilities

2. If all lanes are required, move curb to maintain 5' bike lanes

Dixie Hwy

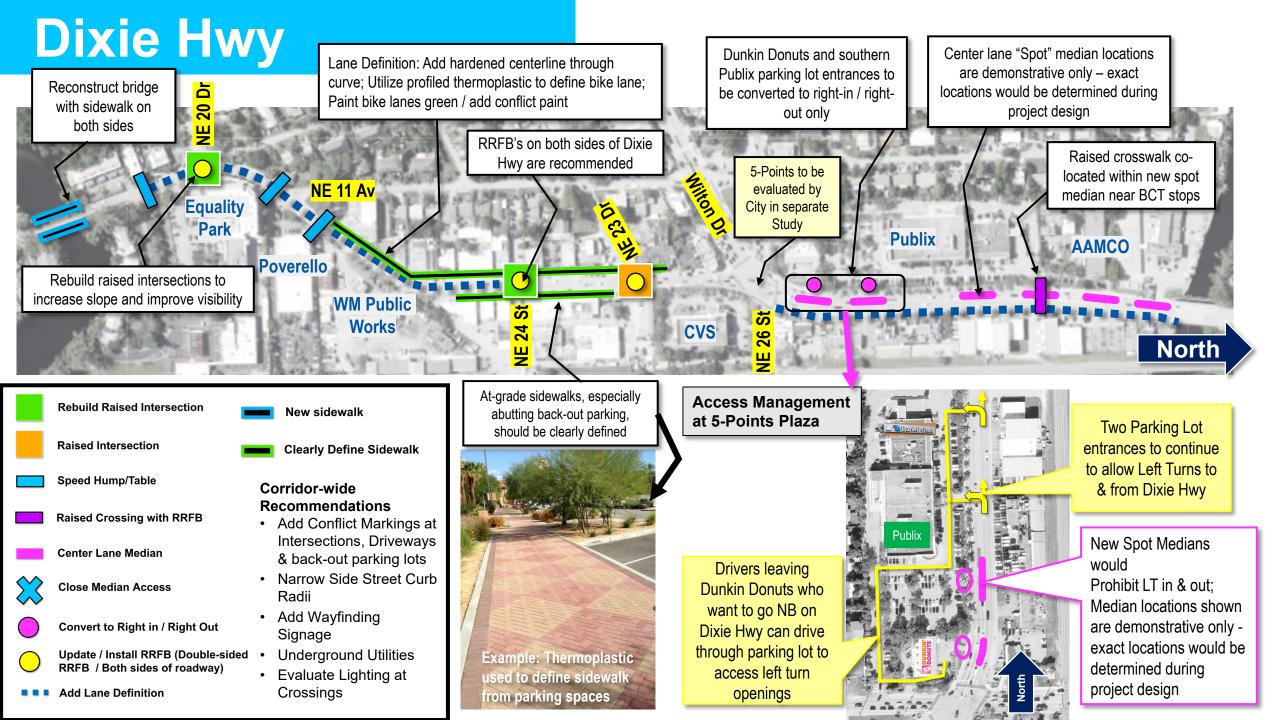
- Redesign Roadway to improve access from Wilton Manors to Oakland Park
- Create cohesive Dixie Hwy character (from Fort Lauderdale to Oakland Park)
- ✓ Lower Speeds to 30 MPH
- ✓ Limit turning conflicts
- ✓ Improved Access Management
- ✓ Reduce severity of crashes
- ✓ Improve Comfort and Safety of Pedestrian and Bicycle facilities along roadway
- ✓ Improve Comfort, Safety, and Convenience of Crossings over Dixie Hwy











Recommendations: 5-Points Future Redesign

- Confluence of some of the most heavily utilized, multimodal corridors in the City
- Influenced by the Florida East Coast Railway
- Many people walking and biking through the area daily.

The following should be considered as the City pursues a preferred design:

- 1. Reduce speed and number of conflicts. Wilton Manors should consider intersection improvements and redesigns that slow vehicular traffic and minimize the number of vehicle-to-vehicle, vehicle-to-micromobility, and vehicle-to-pedestrian conflict points. This may include:
 - > Signal cycle modifications, including considering an all-pedestrian phase.
 - > Limiting or eliminating turn movements (i.e. right turns on red).
 - > Alternative intersection designs (i.e. roundabout or a protected intersection).
 - Realigning one or more legs of the intersection to reduce the number of intersection legs.
- 2. Increase visibility of conflict zones (i.e. green cross-bike striping for biking and high visibility crosswalks for walking).
- **3. Consider access.** The City should consider the implementation of access management projects near the intersection.

Community members noted 5-Points **is uncomfortable to cross** due to long crossing distances, difficulty navigating the multiple legs of the intersection, and long signal cycles / wait times.





BrowardMPO.org

NE 24 St Route

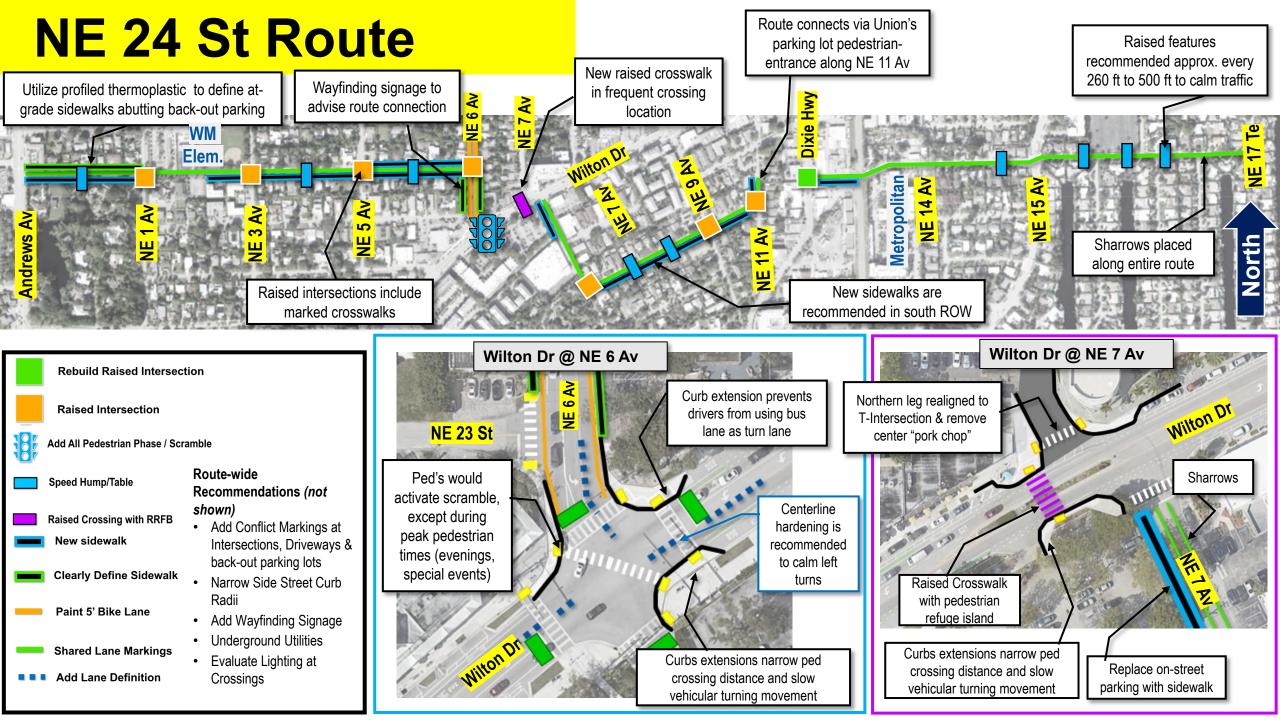
- Create cohesive bike / pedestrian route on NE 24 St from Andrews Av to NE 17 Ter (connecting via NE 6 Av, Wilton Dr, NE 7 Av, NE 22 Dr, & pedestrian entrance at Union parking lot)
- Provide comfortable, safe, and convenient bike / pedestrian access to Wilton Manors Elementary School, Wilton Drive, and Dixie Hwy
- Reduce crossings at unmarked locations (near / at Wilton Dr)
- ✓ Fill in critical sidewalk gaps
- ✓ Identify bike route
- ✓ Traffic calming on residential streets
- ✓ Reduce crash severity, (near / at Wilton Dr)











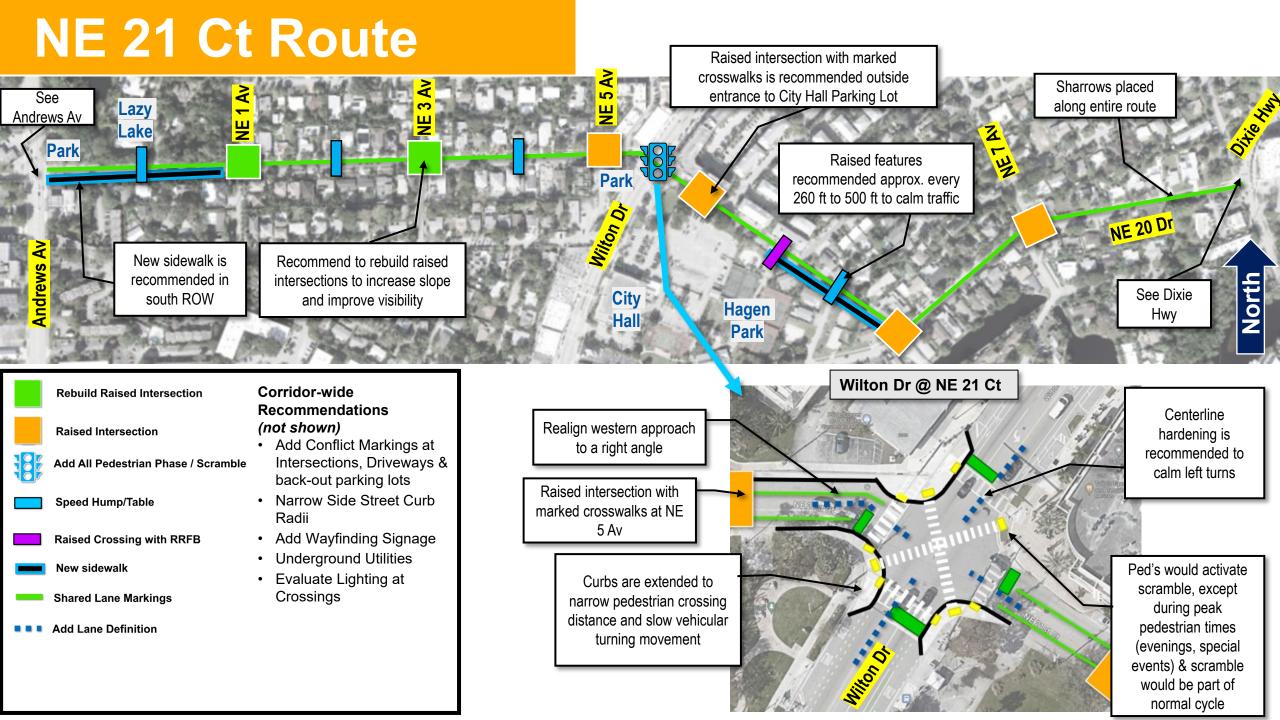
NE 21 Ct Route

- ✓ Create cohesive bike / pedestrian route on NE 21 Ct from Andrews Av to Dixie Hwy (including NE 20 St)
- Provide comfortable, safe, and convenient bike / pedestrian access to City Hall, Hagen Park, Wilton Drive, Pocket Park and Equality Park
- ✓ Fill in critical sidewalk gaps
- ✓ Identify bike route
- $\checkmark\,$ Traffic calming on residential streets
- Reduce crash severity, especially on Wilton Drive





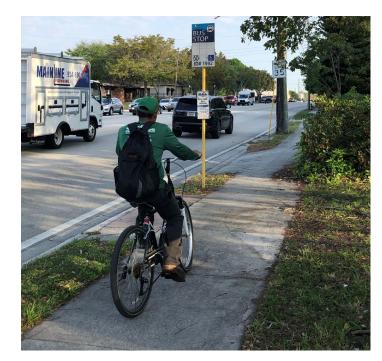




Andrews Av

- ✓ Re/Connect "west" & "east" Wilton Manors
- Redesign Roadway to better match planned mixed-use redevelopment
- ✓ Limit turning conflicts
- ✓ Improved Access Management
- ✓ Reduce severity of crashes
- ✓ Improve Comfort and Safety of Pedestrian and Bicycle facilities along roadway
- ✓ Improve Comfort, Safety, and Convenience of Crossings over Andrews Av







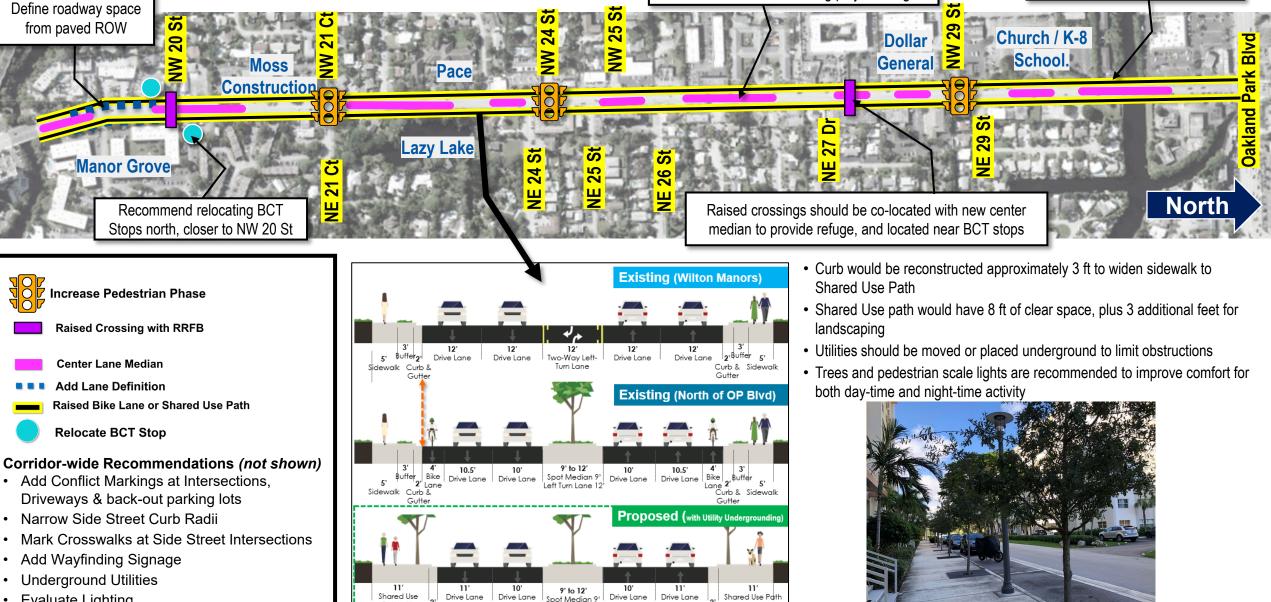
Andrews Av

Center lane "Spot" median locations shown are demonstrative only – exact locations would be determined during project design

with Street Trees

Curb 8

Roadway / Curb reconstruction to widen sidewalk to Shared Use Path on both sides of roadway



Left Turn Lane 12'

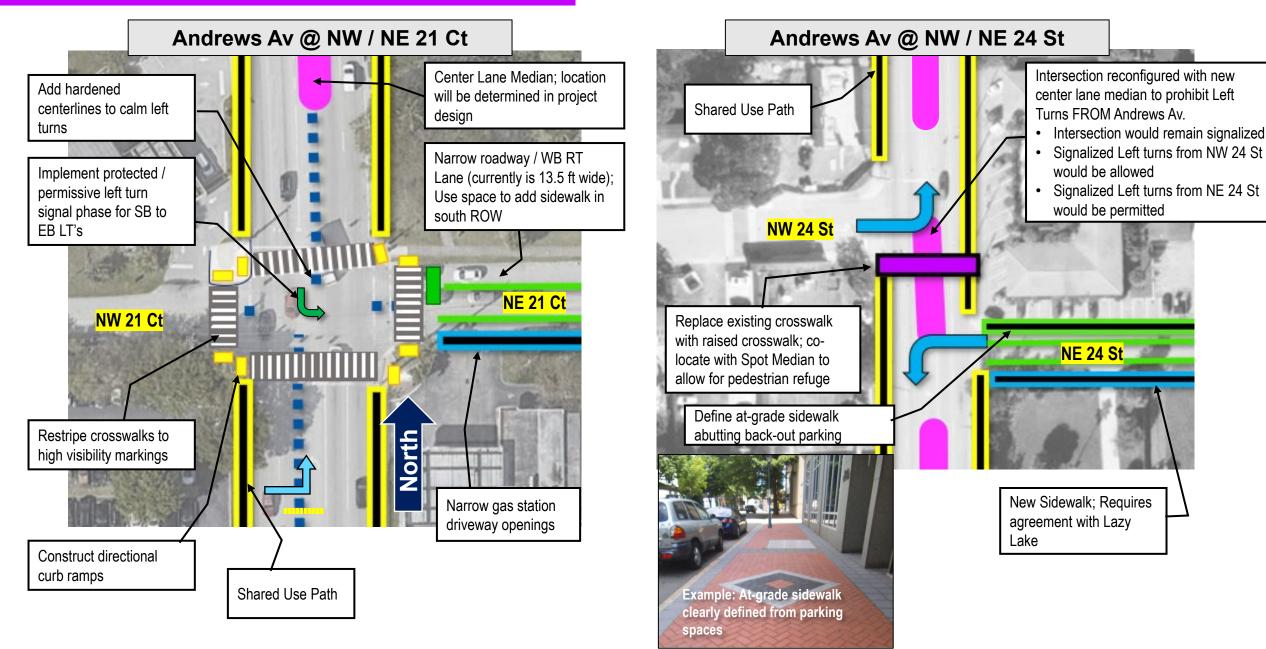
Path with

Street Trees Curb &

Evaluate Lighting

Andrews Av

continued...



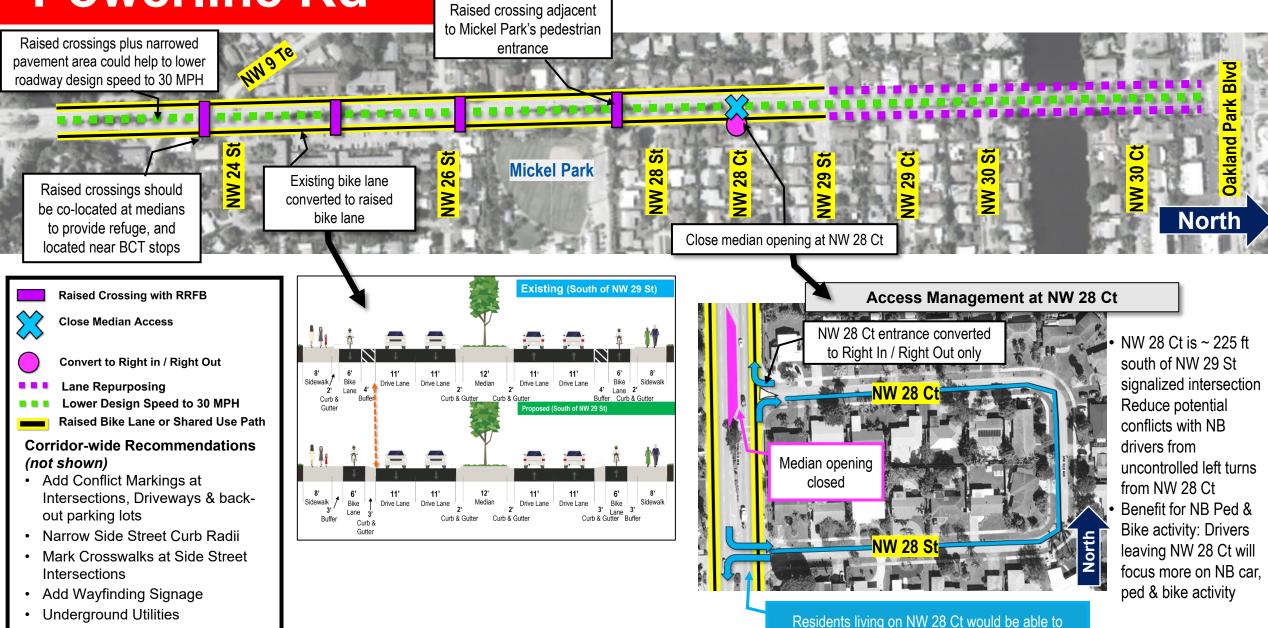
Powerline Rd

- Redesign Roadway to better match surrounding Residential Land Use
- ✓ Lower Speeds to 30 MPH
- ✓ Limit turning conflicts
- ✓ Improved Access Management
- ✓ Reduce severity of crashes
- Improve Comfort and Safety of Pedestrian and Bicycle facilities along roadway
- ✓ Improve Comfort, Safety, and Convenience of Crossings over Powerline Rd





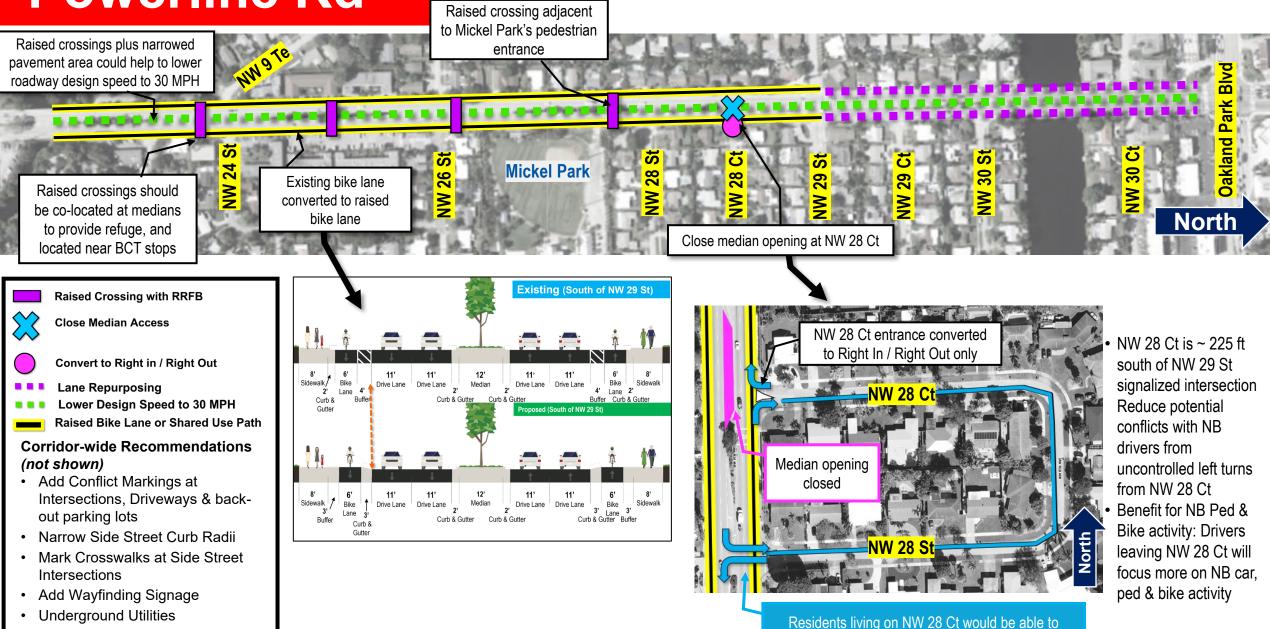
Powerline Rd



Evaluate Lighting

make left turns in and out 275 ft south at NW 28 St

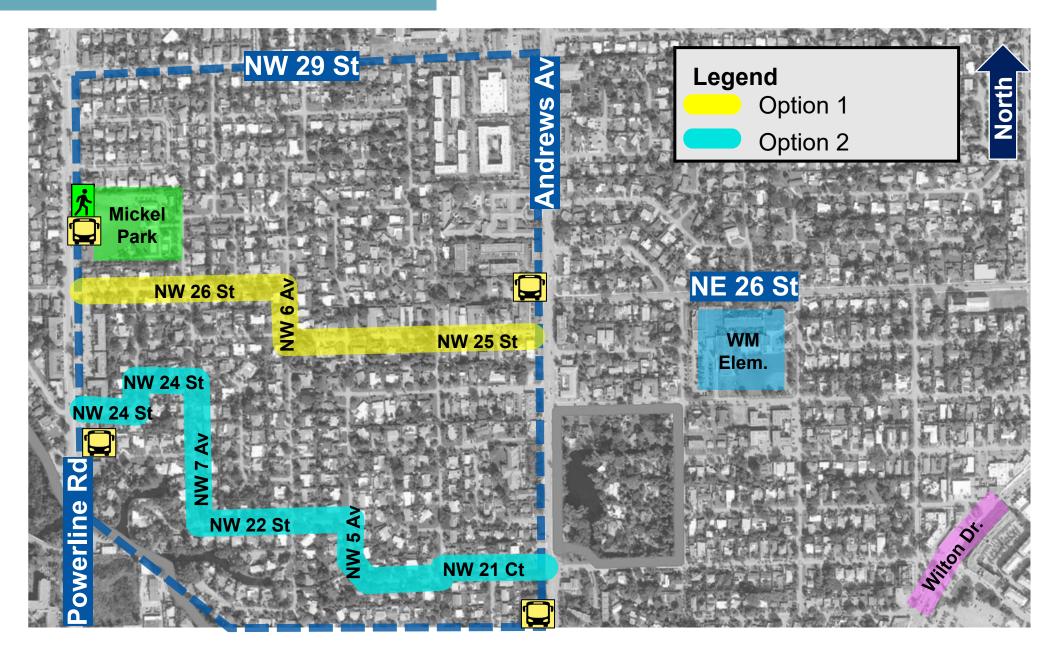
Powerline Rd



Evaluate Lighting

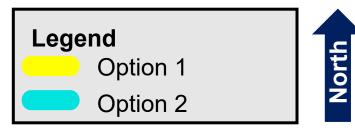
make left turns in and out 275 ft south at NW 28 St

Westside Route Discussion



Westside Route 2 Route Options / Considerations





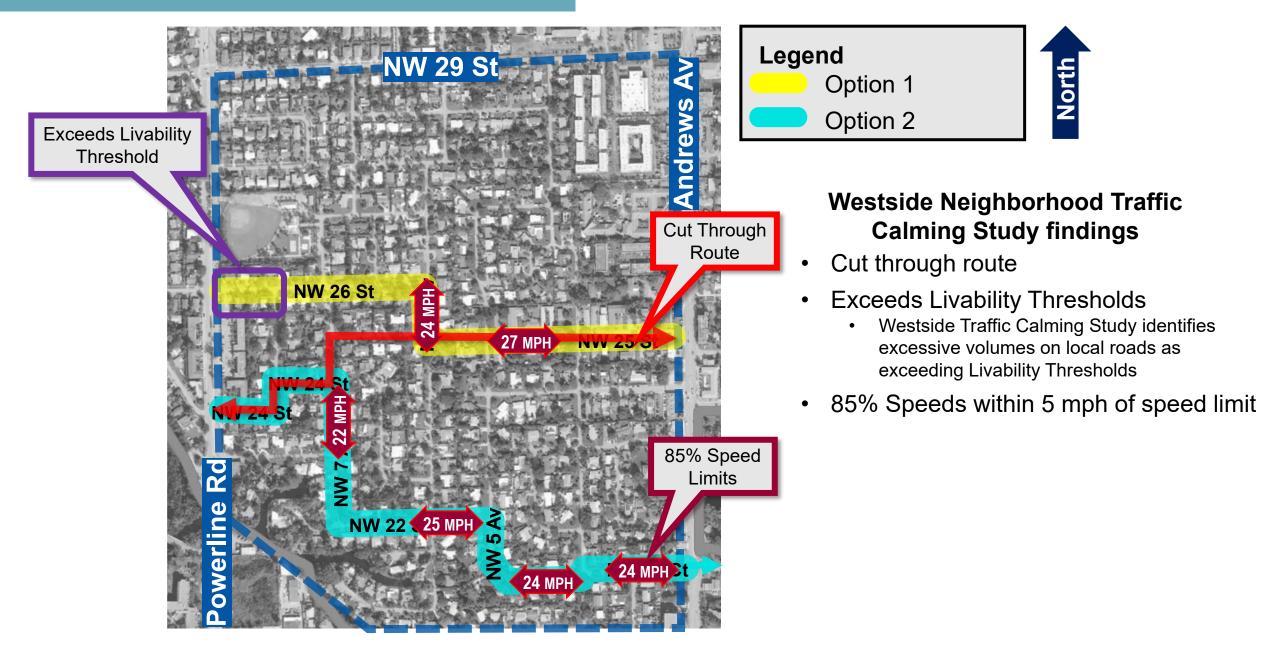
Option 1:

- 2,850 ft route / shortest route
- Few turn movements
- Almost 2 blocks in eastern portion are fronted by multi-family developments which may have less opposition to sidewalks
- Closest to Mickel Park
- No direct access to signalized crosswalk over Andrews Av
- 1 block south of new crosswalk at NE 26 St, with access to existing bike lanes
- I block north of existing crosswalk at NW 24 St, with access to Wilton Manors Elementary

Option 2:

- 3,800 ft route / longest route
- Circuitous route / many turn movements
- Directly leads to signalized crosswalks over Andrews Av
- Sidewalk in southern ROW within 1 block of Andrews Av
- Provides most direct access to Wilton Dr

Westside Route Westside Neighborhood Traffic Calming Study



Westside Route Strava Metro Heat Maps

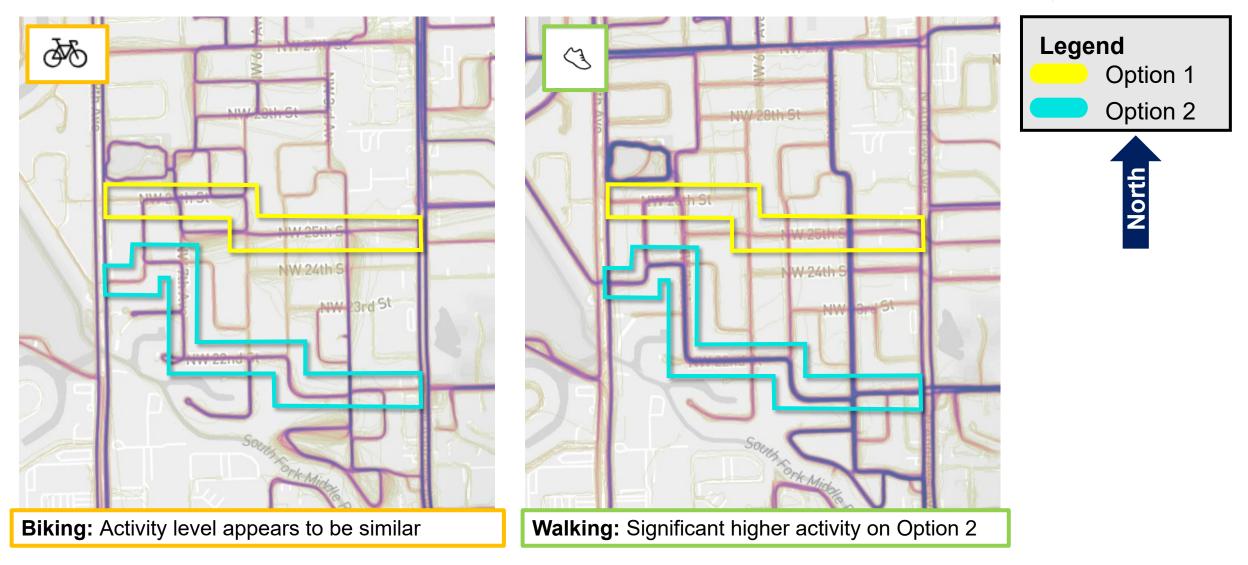
Time period

November 2022 – October 2023

Activity

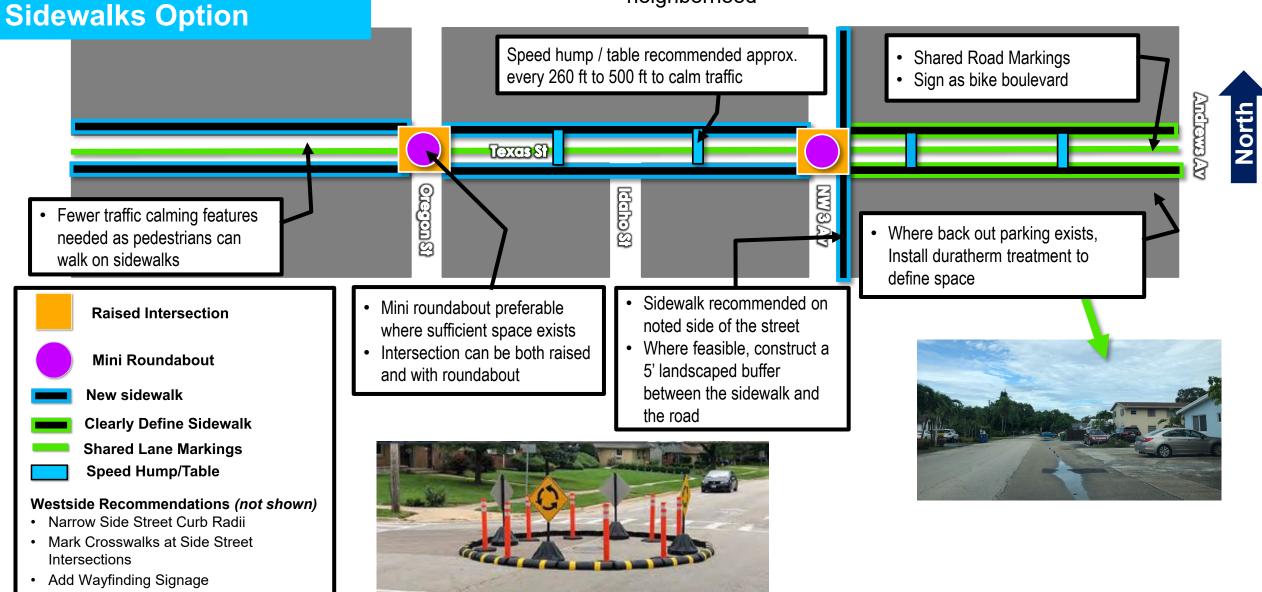
Low

STRAVA METRO High



Westside Route

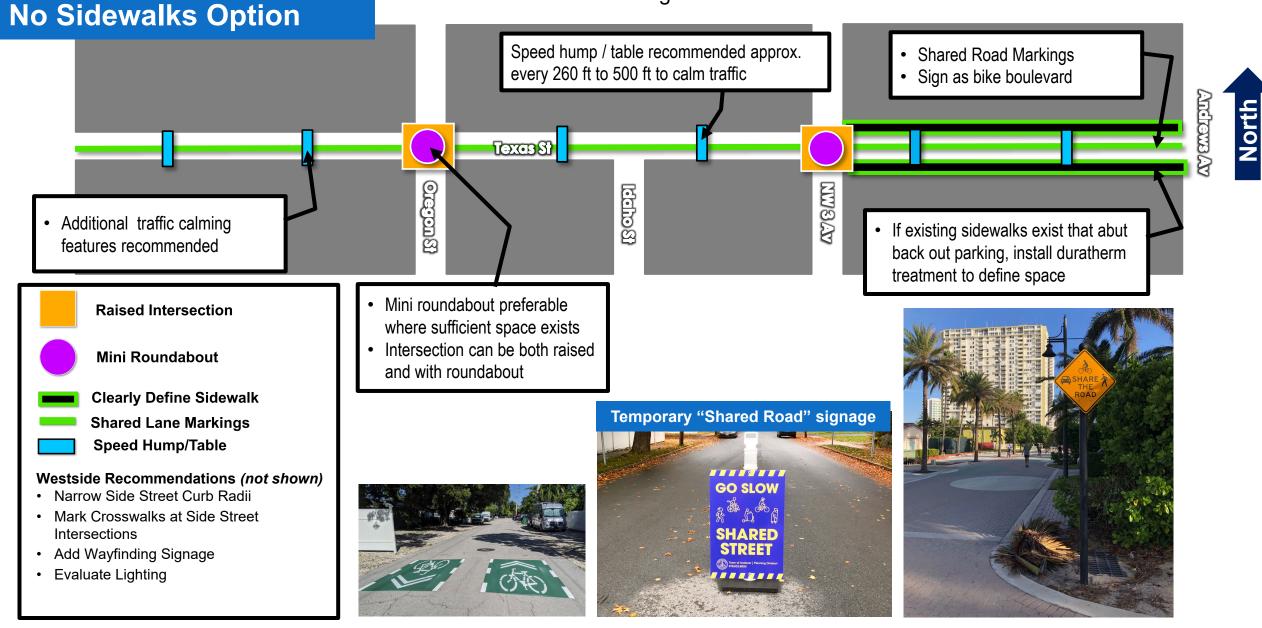
- · Route has not been identified
- Solutions are based on existing conditions throughout neighborhood



Evaluate Lighting

Westside Route

- · Route has not been identified
- Solutions are based on existing conditions throughout neighborhood



Community Meetings

- 2 Community Meetings
 - ✓ View Roadway Recommendations
 - ✓ Ask questions of BMPO Staff
 - ✓ Provide comments
- After the meetings
 - Recommendations Refined
 - Cost Estimates and Scopes of Work
 - > April 2024 = Draft Plan submitted to City



THE CITY OF WILTON MANORS TRANSPORTATION MASTER PLAN





BrowardMPO.org/plans/city-of-wilton-manors

PLEASE JOIN US

to **learn about** and **provide input** on the recommended improvements to sidewalks, bike paths, and roadways.



Hagen Park Community Center

Afternoon Meeting Monday, January 29, 2024 at 1:30 p.m.

Evening Meeting Tuesday, January 30, 2024 at 5:30 p.m.

For more information on the Community Meetings, please contact (954) 390-2103 or PLANDI@WiltonManors.com





The City of Wilton Manors **TRANSPORTATION** anning **MASTER PLAN** sland Cit



Learn more today!

browardmpo.org/plans/city-of-wilton-manors







BrowardMPO.org