



# BICYCLE & PEDESTRIAN ADVISORY COMMITTEE (BPAC)

December 5, 2024, Meeting  
Ed Ball Building, Room #3112



# ABOUT US

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The BPAC educates, supports, promotes, & advocates for the needs of pedestrians & bicyclists throughout the City of Jacksonville





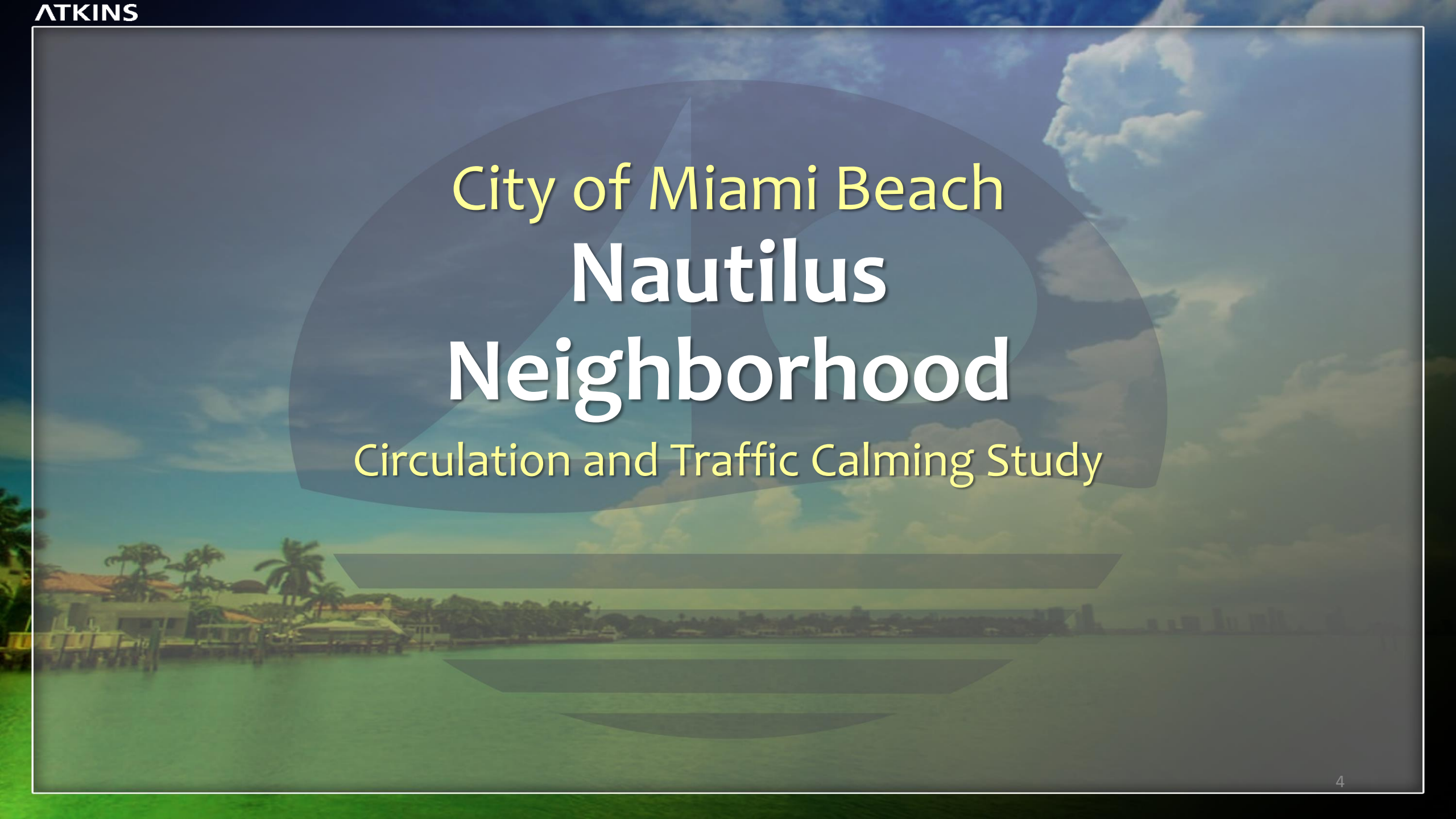
# AGENDA

## Jacksonville Bicycle and Pedestrian Advisory Committee (BPAC)

Agenda for 12/05/2024 Meeting

5:30 – 5:35 PM	Introductions and Adoption of Minutes
5:35 – 5:55 PM	<b>Traffic Calming Effects of Protected Bicycle Lanes</b> Wiatt Bowers, AICP, Florida Planning Project Director, AtkinsRealis
5:55 – 6:25 PM	<b>WDoR Recap &amp; Advocacy Next Steps</b> Lauren Rushing, AICP, BPAC Vice-Chair
6:25– 6:45 PM	<b>Discussion: Mayport Road (A1A) from Atlantic Boulevard to Dutton Island Road West Safety Improvements - FDOT Project</b> Peter Borenstein, BPAC Chair
6:45 – 6:55 PM	<b>Discussion/Rapid Fire</b>
6:55 – 7:00 PM	Wrap-up / Announcements / Next Meeting Info
	<b>Adjourn</b>





# City of Miami Beach Nautilus Neighborhood

Circulation and Traffic Calming Study



# Study Purpose and Scope

- Circulation and traffic calming study
- Study area bounded by Biscayne Waterway, Alton Road, and I-195/41<sup>st</sup> Street
- Goals of study
  - Characterize nature of speed and volume issues in neighborhood
  - Identify traffic calming measures and techniques that mitigate impacts of through traffic in the neighborhood
- Develop concepts consistent with Miami Beach Master Plan & Street Design Guide
- Coordination with City, Miami-Dade County, and area stakeholders



# Neighborhood Photos (May 2016)

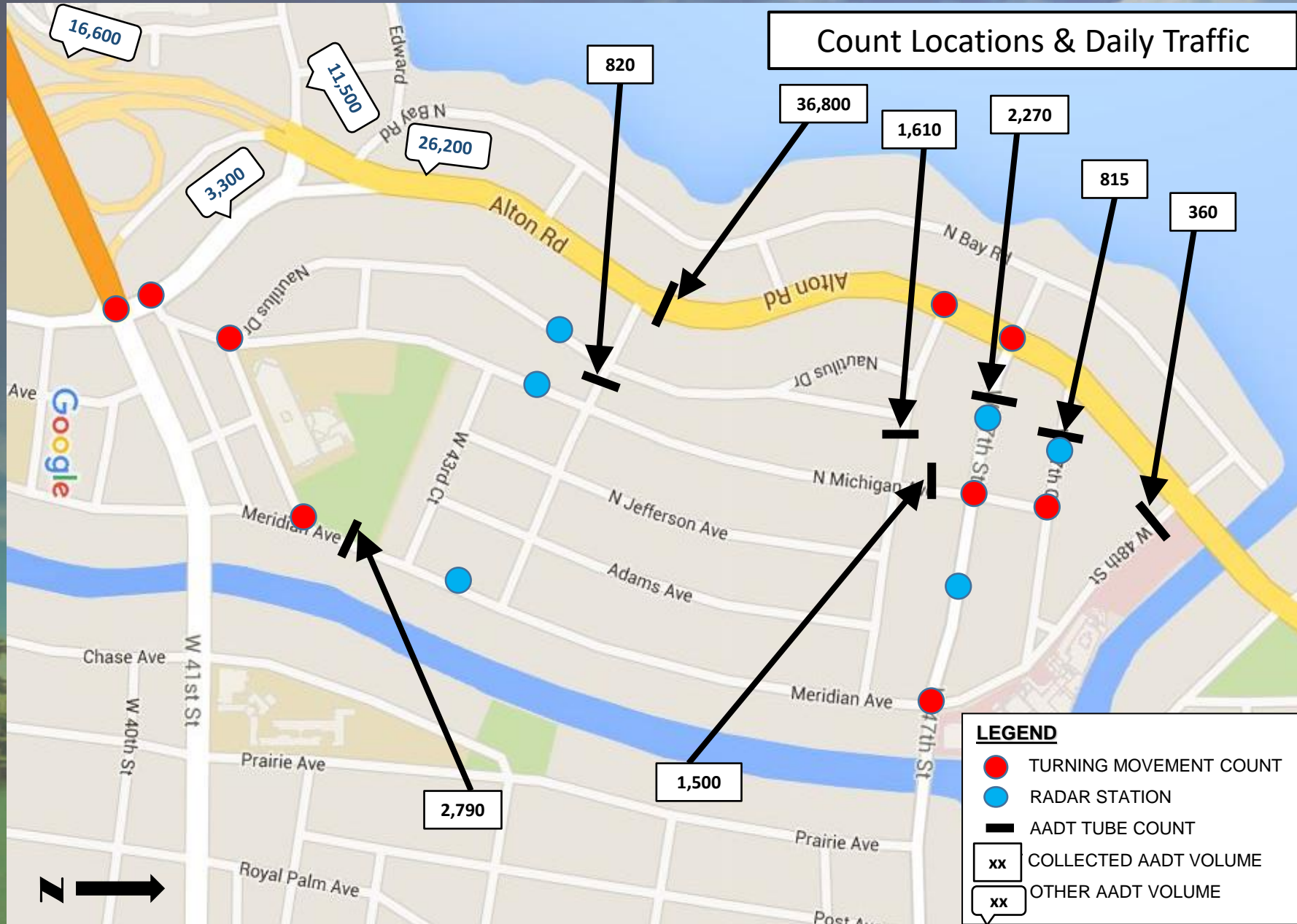




# Data Collection Summary

- Peak period origin-destination data for 5 neighborhood entry/exit points
  - *4 additional locations in neighborhood*
- Peak period speed radar data on Nautilus Drive, Michigan Avenue, and Meridian Avenue
  - *47<sup>th</sup> Street and 47<sup>th</sup> Court data collected in late August*
- 72-hour traffic counts at 6 locations
  - Allows for estimation of average daily traffic
  - *47<sup>th</sup> Street and 47<sup>th</sup> Court data collected in late August*
- AM, MD, & PM peak period turning movement counts at 6 intersections
  - *3 additional intersections collected in late August*
    - *47<sup>th</sup> Street & Michigan*
    - *47<sup>th</sup> Court & Michigan*
    - *41<sup>st</sup> Street & Alton*





# Area Traffic Controls and PM Peak Speed Data





# Average Speeds on Neighborhood Streets

Location	Average 72-Hour Speed	85 <sup>th</sup> Percentile Speed
Nautilus Drive south of 44 <sup>th</sup> Court	21 mph	26 mph
Michigan Avenue south of 44 <sup>th</sup> Court	21 mph	26 mph
Meridian Avenue south of 44 <sup>th</sup> Court	24 mph	29 mph
47 <sup>th</sup> Court west of Michigan Avenue	21 mph	26 mph
47 <sup>th</sup> Street west of Michigan Avenue	21 mph	27 mph
47 <sup>th</sup> Street east of Michigan Avenue	27.5 mph (30 min. in pm peak)	N/A

*City reported 30 mph avg. speed prior to lane striping*

EB							
Start Time	15	20	25	30	35	40	
08/25/16	0	0	0	0	0	0	0
00:15	0	0	0	0	0	0	0
00:30	0	0	0	0	0	0	0
00:45	0	0	0	1	0	0	0
01:00	0	0	0	0	1	0	0
01:15	0	0	1	0	0	0	0
01:30	0	0	1	0	0	0	0
01:45	0	0	0	0	0	0	0
02:00	0	0	2	0	0	0	0
02:15	0	0	0	0	1	0	0
02:30	0	0	0	0	0	0	0
02:45	0	0	0	0	0	0	0
03:00	0	0	0	0	1	0	0
03:15	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0
03:45	0	0	1	0	0	0	0
04:00	0	0	1	0	1	0	0
04:15	1	0	0	0	0	0	0
04:30	0	1	0	1	0	0	0
04:45	0	0	0	0	0	0	0
05:00	1	1	1	1	0	0	0
05:15	0	0	0	1	0	0	0
05:30	0	0	0	0	0	0	0
05:45	0	1	1	2	1	0	0
06:00	0	0	2	0	0	0	0
06:15	0	1	1	1	0	0	0
06:30	2	1	1	2	0	0	0
06:45	0	3	4	8	0	0	0
07:00	2	5	8	11	0	0	0
07:15	0	0	3	3	1	0	0
07:30	1	3	6	8	1	1	0
07:45	1	4	8	9	0	0	0
08:00	0	5	16	12	1	0	0
08:15	2	12	33	32	3	1	0
08:30	1	7	31	13	2	0	0
08:45	2	5	23	7	3	0	0
09:00	1	7	15	7	1	0	0
09:15	4	6	20	9	1	0	0
09:30	8	25	89	36	7	0	0
09:45	0	4	21	8	0	0	0
10:00	2	1	8	11	3	0	0
10:15	3	3	5	14	0	0	0
10:30	1	2	9	9	1	0	0
10:45	6	10	43	42	4	0	0



# 47<sup>th</sup> Street east of Michigan Avenue – 2008 (Avg. PM peak hour speed = 30 mph)





47<sup>th</sup> Street east of Michigan Avenue – 2014  
(Avg. PM peak hour speed = 27.5 mph in 2016)



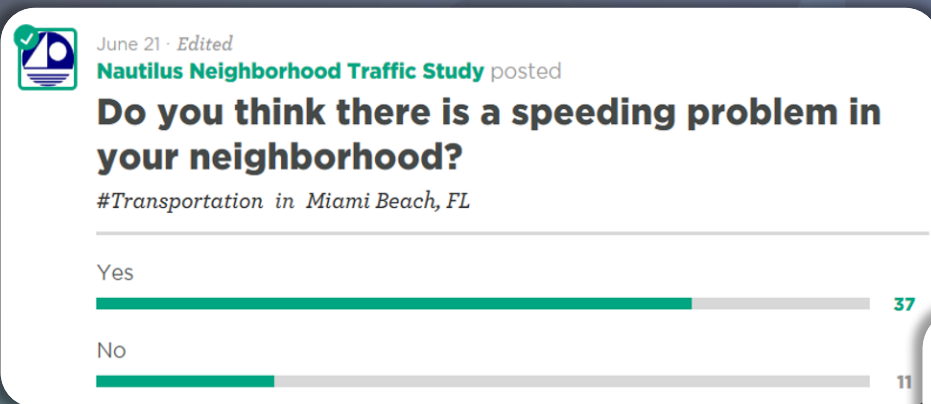


# Field Review Observations

- Average speeds consistent with posted speed limits
- Trips originating within neighborhood (i.e. from Michigan Avenue) disperse evenly in origin-destination survey
- Majority of traffic on Alton Road stays on Alton Road to pass through the Nautilus Neighborhood
- Moderate congestion around Nautilus Middle for 15-20 minute period during drop-off & pick-up
  - Meridian Avenue near Nautilus Middle School is a large drop off and pick up area for the school
- Heavy left turn movement from Nautilus Drive to Alton Road during AM and PM peaks
  - Backups on Alton Road southbound from 44<sup>th</sup> to hospital & ramp merge with I-195

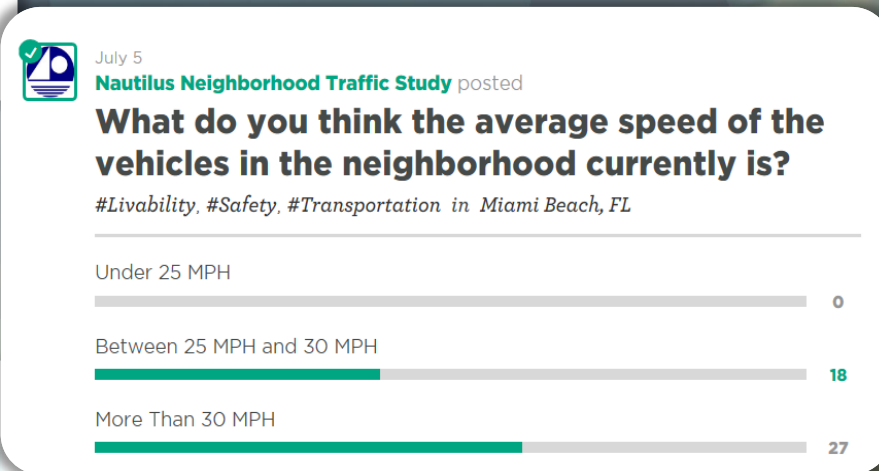


# mySidewalk Input



- Over 75% think there is a speeding problem

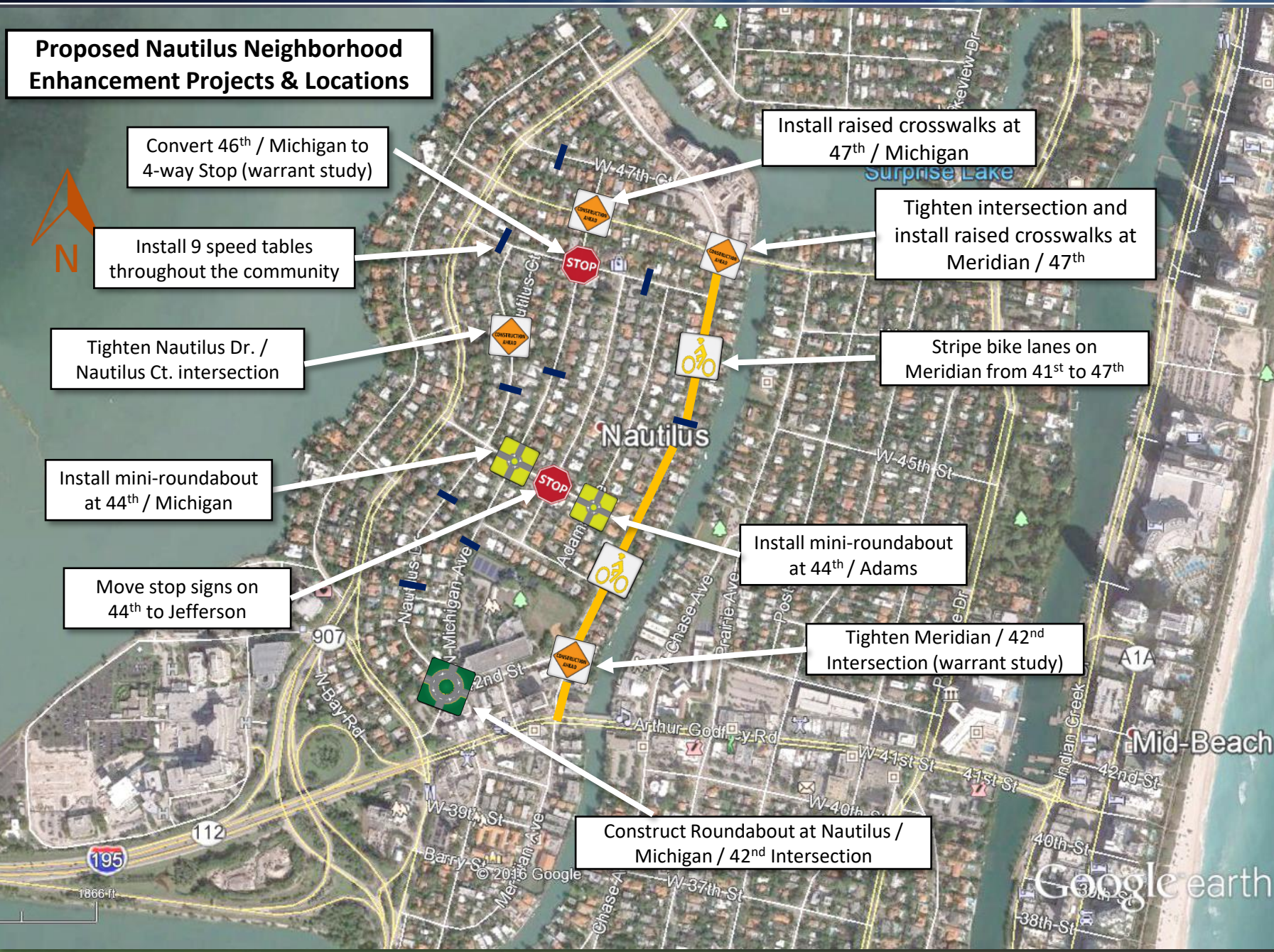
- 60% think average speed is more than 30 MPH



- More than 70% favor reducing the speed limit









# 47<sup>th</sup> Street east of Michigan Avenue – 2018 (Avg. PM peak hour speed = 26 mph)





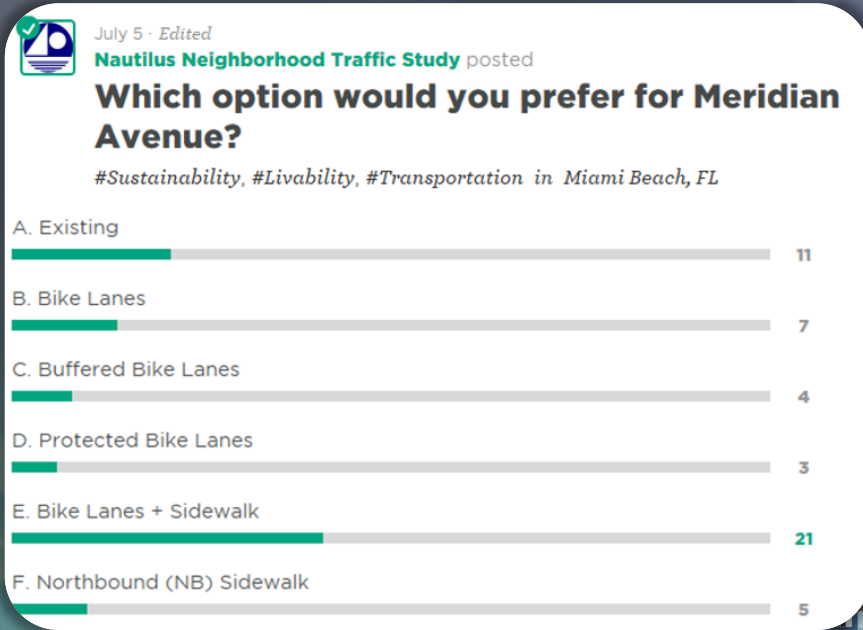
# 47<sup>th</sup> Street east of Michigan Avenue – 2022 (avg. PM peak hour speed = 25 mph)



Roundabout installed at 47<sup>th</sup>/Michigan

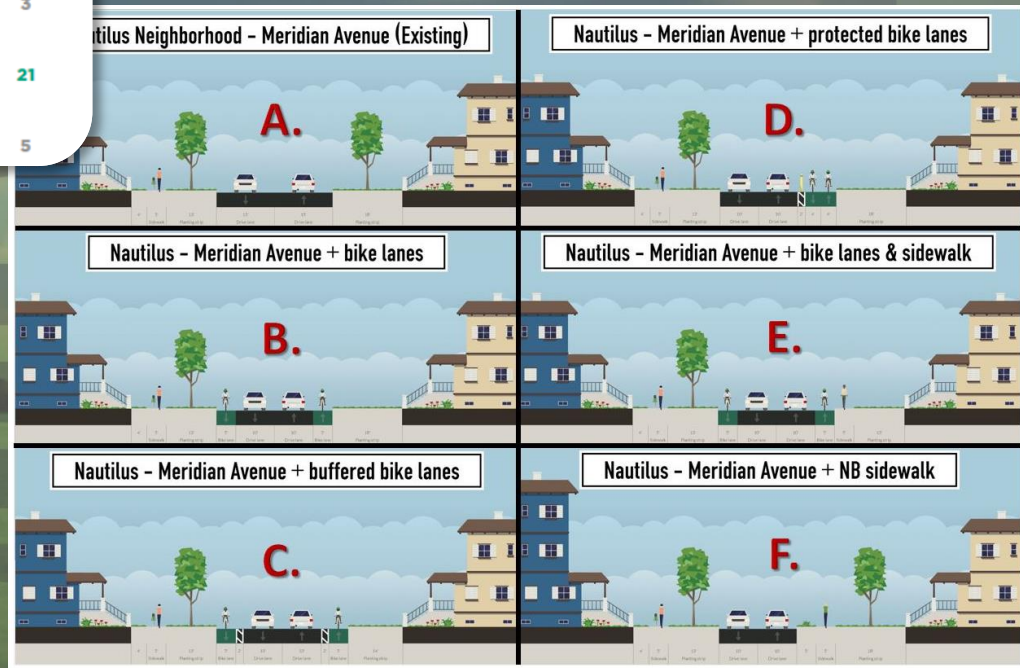


# mySidewalk Input



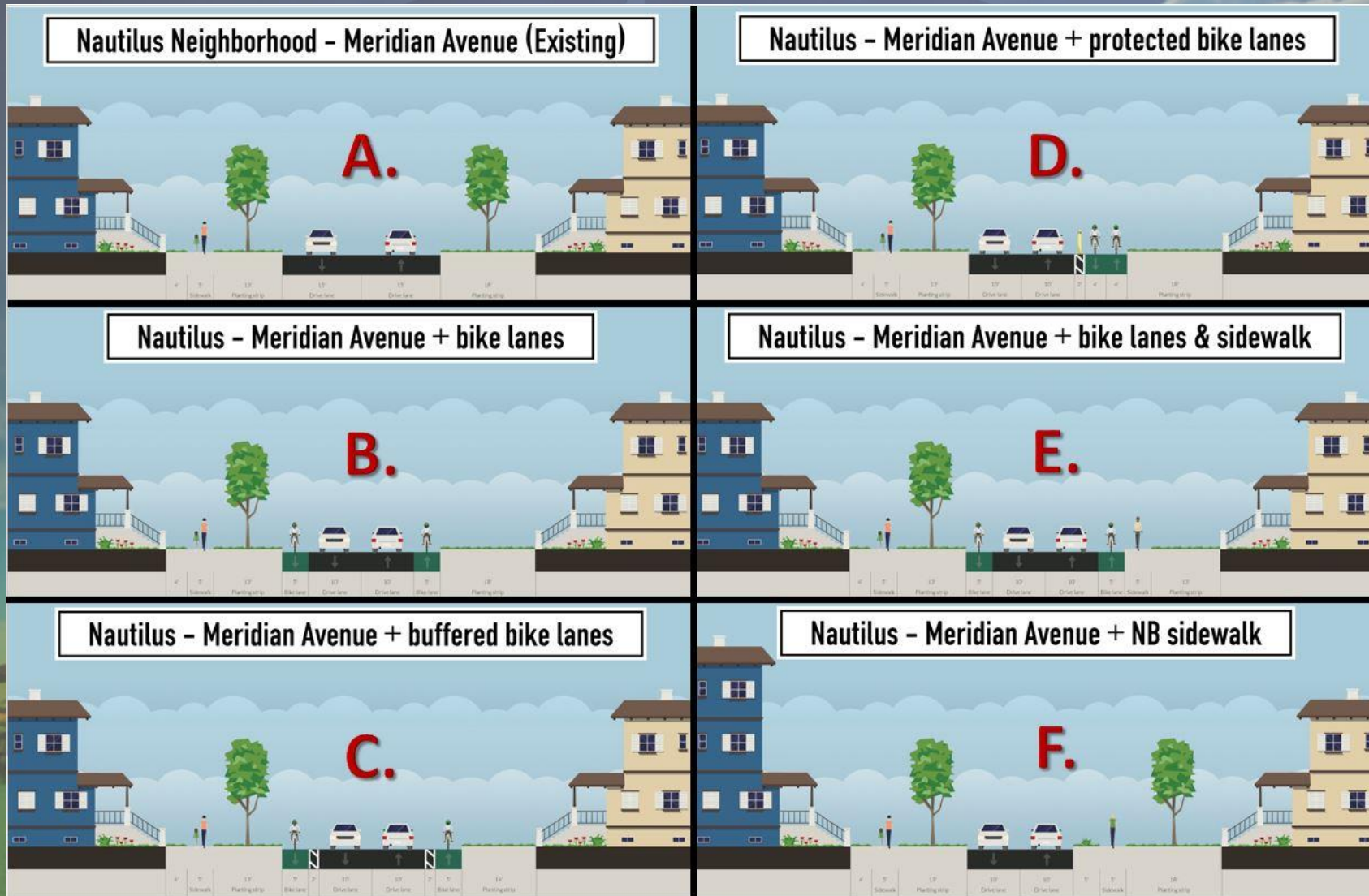
- Nearly 70% support adding bike lanes to Meridian

- About 20% prefer leaving Meridian as is





# Potential Meridian Avenue Concepts





# Meridian Avenue - 30' width (2018)





# Meridian Avenue - 30' width (2022)





# Nautilus / Michigan / 42<sup>nd</sup> Street Intersection

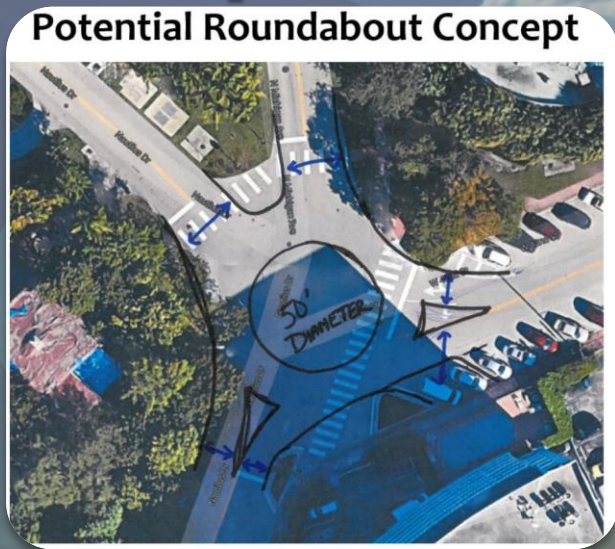




# mySidewalk Input

June 21 · Edited  
 Nautilus Neighborhood Traffic Study posted  
**What is your opinion of this potential roundabout concept?**  
 #Transportation, #Livability in Miami Beach, FL

Love it!	32
Not my favorite.	9
Do not like at all.	16



September 14  
 Nautilus Neighborhood Traffic Study posted  
**What is your opinion of the roundabout concept, shown below, at Nautilus and 42nd?**  
 #Transportation in Miami Beach, FL

Like	19
Dislike	14

- 56% loved the original roundabout concept
- 58% liked the revised roundabout



# Potential Roundabout Concept



REVISIONS		DESCRIPTION		DATE	DESCRIPTION	MIAMI BEACH NEIGHBORHOOD CIRCULATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
								<b>NAUTILUS DR AT W 42ND ST MINI-ROUNDBOUT CONCEPT</b>	<b>EX-3</b>

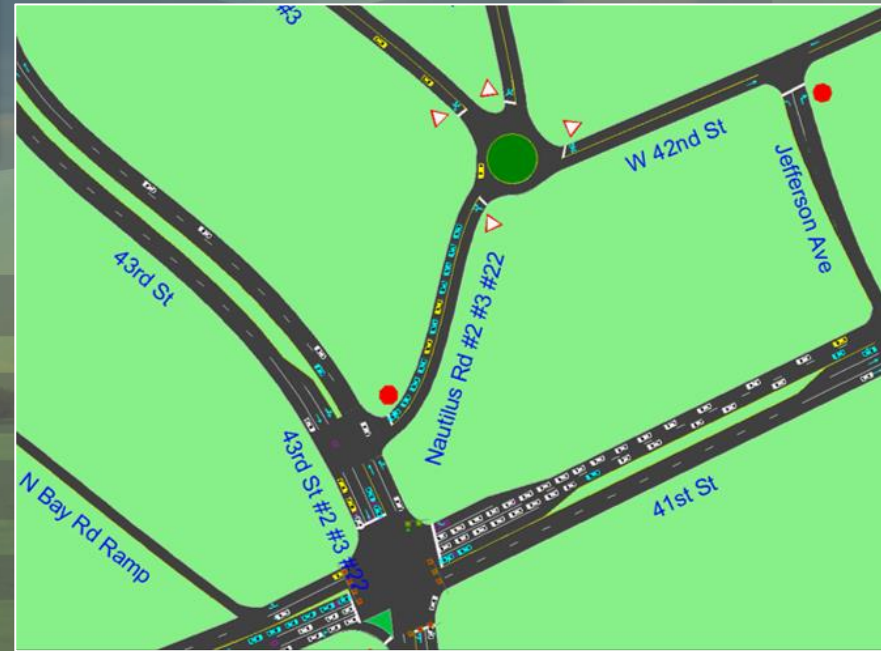
JOHN C. FIELDING, PE, PTOE  
 P.E. LICENSE NUMBER 79082  
 ATKINS NORTH AMERICA, INC.  
 141 JACKSON AVE  
 CHIPLEY, FL 32428  
 CERTIFICATE OF AUTHORIZATION 00000024

ROAD NO. W 42nd  
 COUNTY DADE  
 FINANCIAL PROJECT ID

SUSERS SDATES STINES SFILES



# PM Peak Traffic Simulation



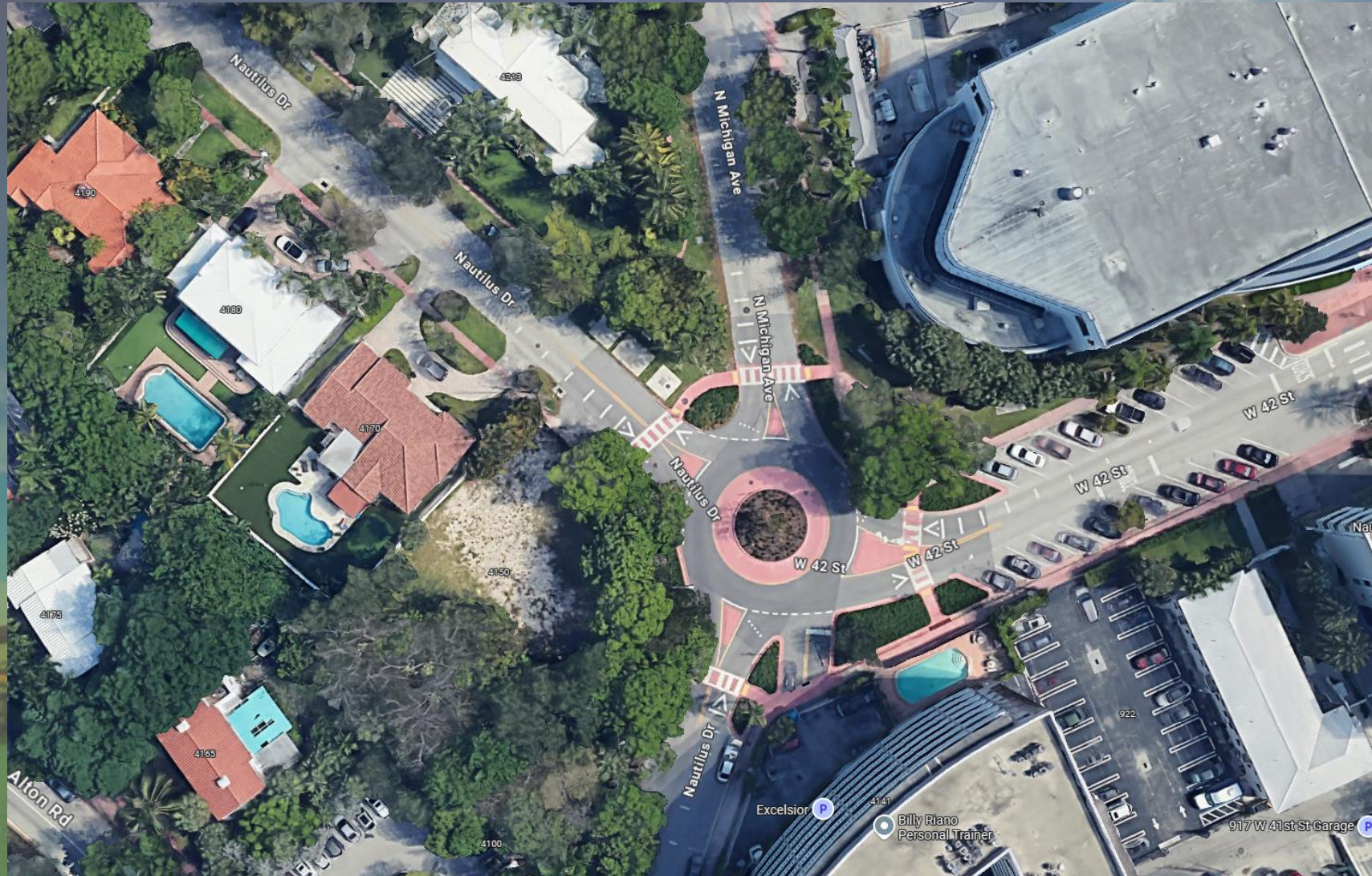


# Example of potential demonstration roundabout treatment





# Permanent roundabout constructed in 2021





# Nautilus / Michigan / 42<sup>nd</sup> Intersection (2019)





# Nautilus / Michigan / 42<sup>nd</sup> Intersection (2022)





# Initial Cost Estimates (2018)

- Demonstration Projects @ 3 Intersections = \$15,000
- Raised Intersections – 2 @ \$60-90k each = \$150,000
- Speed Tables – 9 @ \$15-20k each = \$150,000
- Nautilus/Nautilus Modification = \$25,000
- Mini-Roundabouts on 44<sup>th</sup> = \$85,000
- Meridian Bike Lane Striping = \$190,000
- Meridian / 42<sup>nd</sup> Modification = \$25,000
- Nautilus/Michigan/42<sup>nd</sup> Roundabout = \$150,000
- Design, Permitting, & Inspection = \$230,000
- **TOTAL COST FOR ALL PROJECTS = \$1,020,000**

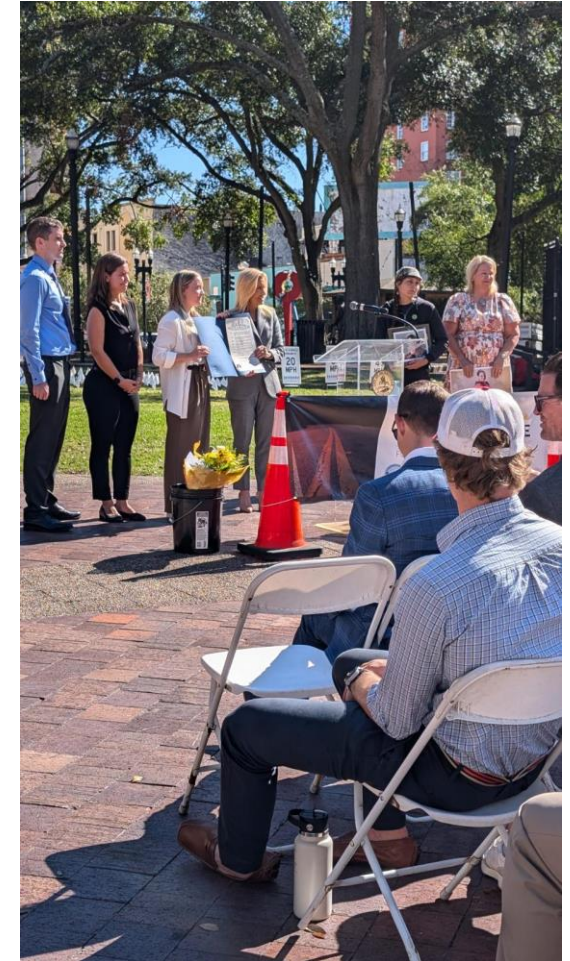


# City of Miami Beach Nautilus Neighborhood Circulation and Traffic Calming Study





# Jacksonville World Day of Remembrance for Road Traffic Victims 2024 Recap





# World Day of Remembrance

*For Road Traffic Victims*



THOUGHTS? COMMENTS?  
THINGS TO DO DIFFERENTLY NEXT YEAR?





# World Day of Remembrance

*For Road Traffic Victims*

## NEXT STEPS - FOLLOWING UP ON CALL TO ACTION

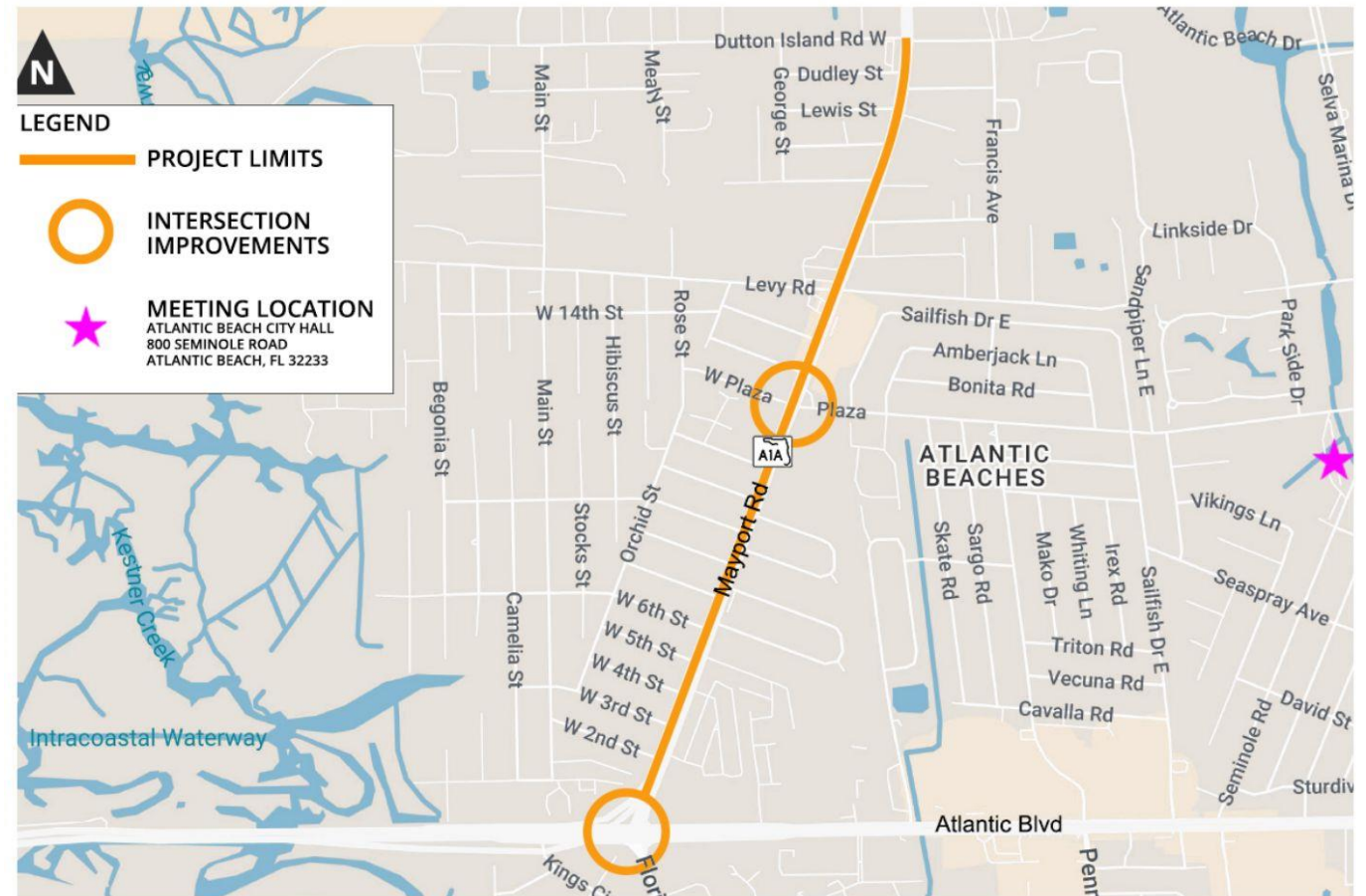
(1) "BPAC calls on the City of Jacksonville to **adopt a Vision Zero resolution and policy** that makes a commitment to zero traffic deaths and serious injuries in the City of Jacksonville by 2035 and to (2) implement **speed cameras in every school zone** in Jacksonville by the end of 2025."



# Mayport Road (A1A) from Atlantic Boulevard to Dutton Island

## Road West Safety Improvements

- Milling and resurfacing from Atlantic Boulevard to Dutton Island Road West
- Signalized intersection improvements
- Lane repurposing
- Southbound bike lane construction
- Northbound sidewalk widening





## Mayport Road (State Road A1A) from Atlantic Boulevard (State Road 10) to Dutton Island Road West Safety Improvements

About this Project

Photos

Documents

Public Events

### Overview

This project proposes improvements on Mayport Road (State Road A1A) from Atlantic Boulevard (State Road 10) to Dutton Island Road West to increase safety for motorists, pedestrians, bicyclists, children and other vulnerable users of the corridor.

FDOT proposes the following improvements:

- Milling and resurfacing from Atlantic Boulevard to Dutton Island Road West
- Upgraded signalized intersection improvements
- Lane repurposing
- Addition of a southbound bike lane
- Sidewalk widening northbound

#### [Virtual Public Meeting \(Monday, Dec. 2, 2024\)](#)

The Florida Department of Transportation (FDOT) will host a virtual public meeting Monday, Dec. 2, 2024, at <https://attendee.gotowebinar.com/register/3812282134163410005> to discuss proposed roadway improvements on Mayport Road (State Road A1A) from Atlantic Boulevard (State Road 10) to Dutton Island Road West. FDOT staff and consultants will be available from 4:30 to 6 p.m. to answer questions and accept comments. A formal presentation and public comment period will begin at 6 p.m.

#### [In-Person Public Meeting \(Wednesday, Dec. 4, 2024\)](#)

The Florida Department of Transportation (FDOT) will host a public meeting Wednesday, Dec. 4, 2024, to discuss proposed roadway improvements on Mayport Road (State Road A1A) from Atlantic Boulevard (State Road 10) to Dutton Island Road West. Interested parties can attend the meeting in person at the Atlantic Beach City Hall at 800 Seminole Road Atlantic Beach, FL 32233. FDOT staff and consultants will be available from 4:30 to 6 p.m. to answer questions and accept comments. A formal presentation and public comment period will begin at 6 p.m.

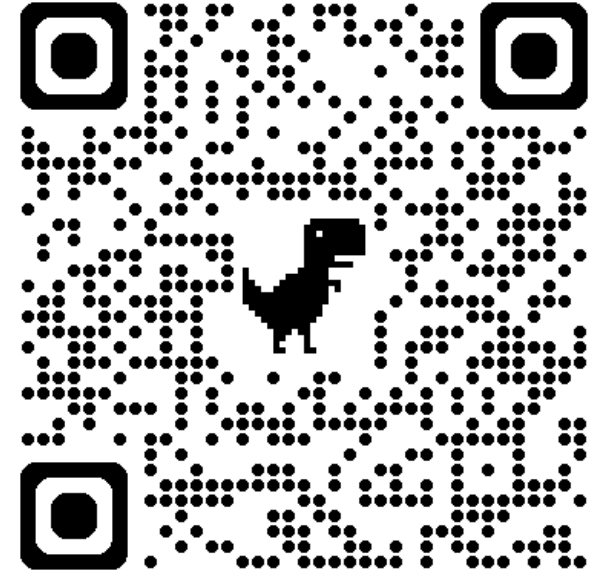
### Project Details

Project Start:	Fall 2025
Expected Completion:	Late 2028
Cost:	\$11.6 million
Project #:	443502-1 & 44528-1
Roads	State Road A1A
Counties	Duval
Cities	Atlantic Beach

### Contact



**Briana Ray-Turner**  
904-360-5481



<https://nflroads.com/ProjectDetails?p=5677>



# Ramp Changes





- The distance from the new crosswalk on Atlantic to the nearest at W Plaza is 0.6 miles.
- At the East bound on-ramp, two accelerating lanes intersect with a crosswalk with RFBs.

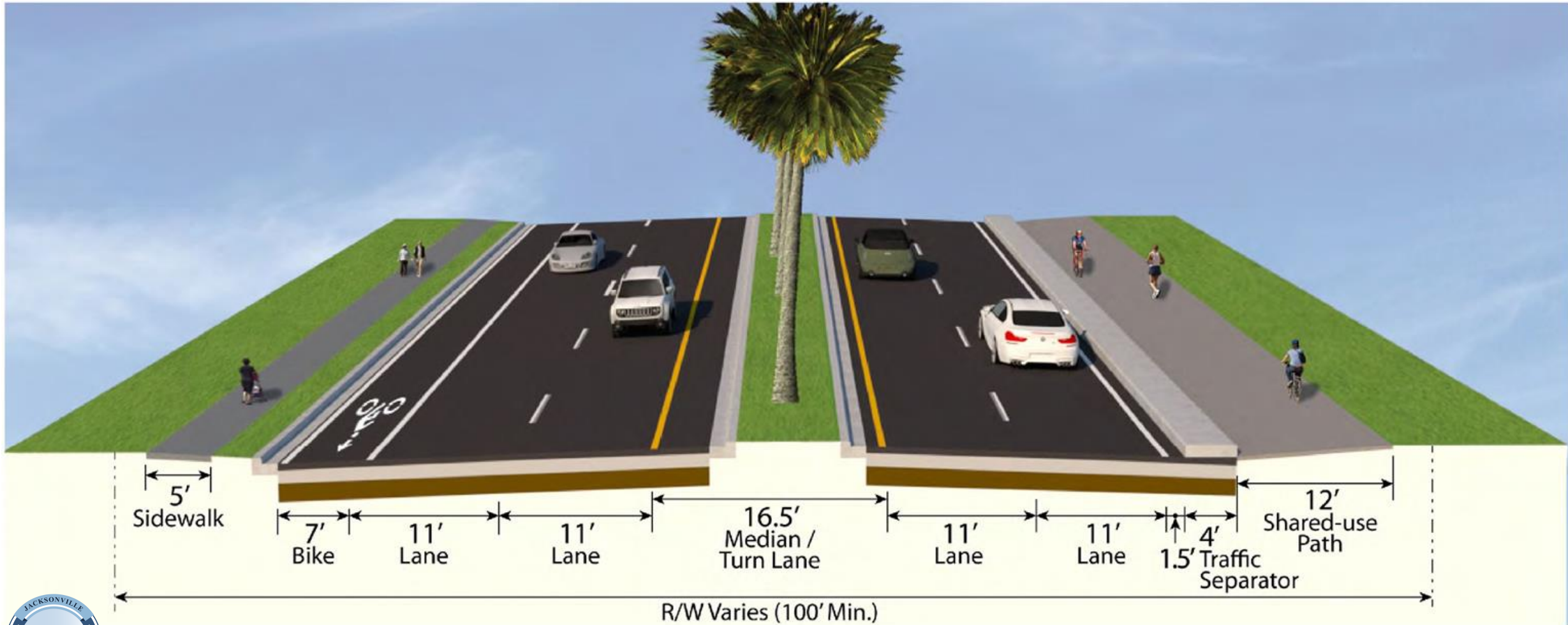








# FDOT Proposed Lanes





# Google Street Views







Low traffic streets taper from 20ft to 60ft long crosswalks.

”It was not the intent of this project to reduce the radiuis of the turns. Doing so could cause busses and trucks that are turning to jump the curb and possiblyly hit a pedestrian at the interstection.” - FDOT

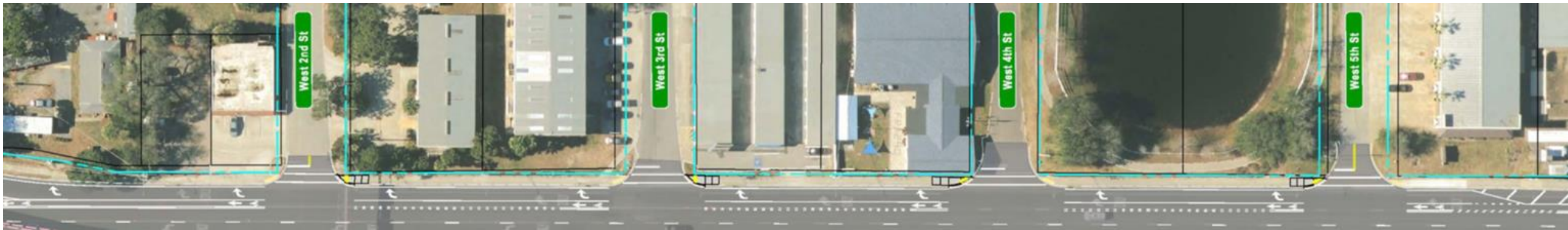


The sidewalk is mostly road grade.





# Keyhole bike lanes are undesirable. The painted buffer is only on one side.



“Typical 7 ft bike lane is provided. Bike lane width 6ft and greater is considered as buffered bike lane.” – FDOT







# National Association of City Transportation Officials

## Designing Cities 2025

The annual NACTO Designing Cities Conference brings together over 1,000 people passionate about advancing the state of transportation in North American cities—engineers, planners, government agency leaders, elected officials, advocates, and other transportation professionals of all career levels.

2025 host: The District Department of Transportation

**May 29-31, 2025**  
**Washington, D.C.**

