



# Complete Streets Master Plan

Project Advisory Committee (PAC)

Meeting #3

October 17, 2017

# Welcome and Introductions

- Please tell us about yourself and answer the following...
  - What funding sources can be used for Complete Streets projects?



# Summary of PAC Meeting #1 & Meeting #2

Project  
Overview

Transportation  
Network  
Analysis

Outreach

Background  
Data

Lane  
Elimination  
Coordination

# Today's Agenda

- Prioritization Criteria
- Project Development
- Lane Elimination Coordination
- Outreach
- Next Steps/Closing





# Prioritization Criteria

# Draft CS Master Plan Prioritization Criteria

- Consistent with the Goals and Objectives established in the Commitment 2040 LRTP



# Commitment 2040 LRTP

## Move People

- Maintain Infrastructure
- Achieve LOS standards on existing infrastructure
- Improve accessibility for all users of the transportation system
- Shorten project delivery
- Maximize Transit Ridership

## Create Jobs

- Maintain or reduce average travel time to major economic centers of the urban area
- Promote new development
- Minimize the overall cost of travel
- Maximize private investments in transportation service provision

## Strengthen Communities

- Insure transportation benefits and costs are equitably distributed throughout the region
- Reduce accidents, injuries, and fatalities
- Promote redevelopment and infill
- Insure projects include appropriate aesthetic considerations in their project design
- Provide options for non-motorized travel
- Promote environmentally sensitive projects

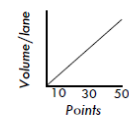
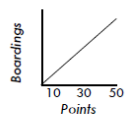
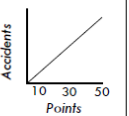
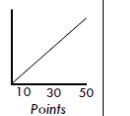
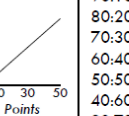
# Prioritization Criteria

- Builds upon the format and content of the Complete Streets and Other Localized Initiatives Program (CSLIP) Evaluation Criteria



## COMPLETE STREETS AND OTHER LOCALIZED INITIATIVES PROGRAM EVALUATION CRITERIA

Total points range in value between 80 – 400. Final results can be filtered and/or sorted by sponsor type, agency type, program category, cost, etc.

	CONNECTIVITY		MOBILITY		SAFETY		ECONOMIC DEVELOPMENT	
<b>COMPLETE STREETS</b> (e.g., bike lane, sidewalk, transit shelter, etc.)	<b>ACTIVITY CENTERS</b> (½ mile buffer)  Projects analyzed and awarded points based on the total number of activity centers (per Broward County data source) within the buffer.	<b>CONNECTION TO EXISTING FACILITY</b>  Projects analyzed and award points based on its termini connection to an existing, like facility. Staff may conduct field reviews to verify connections.	<b>TRAFFIC VOLUME/LANE</b> (200ft buffer)  Projects analyzed and awarded points based on traffic volume per lane within the buffer.	<b>TRANSIT BOARDINGS</b> (½ mile buffer)  Projects analyzed and awarded points based on daily transit boardings occurring within the buffer.	<b>NON-VEHICULAR CRASHES</b> (200ft buffer)  Projects analyzed and awarded points based on total number of <b>pedestrian</b> and <b>bicycle crashes</b> occurring within the buffer during a five-year period.	<b>VEHICULAR CRASHES</b> (200ft buffer)  Projects analyzed and awarded pointed based on total vehicular crashes occurring within the buffer during a five-year time period.	<b>LOW INCOME POPULATION</b> (½ mile buffer)  Projects analyzed and awarded points based on the percentage of the low income population within the buffer.	<b>EMPLOYMENT-POPULATION PROPORTION</b> (½ mile buffer)  Projects analyzed and awarded points based on the proportion of the total employment and population within the buffer area.
<b>SAFETY &amp; SECURITY</b> (e.g., traffic calming, intersection reconfig., etc.)	<b>Scale</b> 3+ 50 points 1-2 30 points 0 10 points	<b>Scale</b> 2 sides 50 points 1 side 30 points 0 sides 10 points	<b>Scale</b> 10 - 50 points 	<b>Scale</b> 10 - 50 points 	<b>Scale</b> 10 - 50 points 	<b>Scale</b> 10 - 50 points 	<b>Scale</b> 10 - 50 points 	<b>Scale</b> 100:0 Emp.-Pop. 10 points 90:10 Emp.-Pop. 20 points 80:20 Emp.-Pop. 30 points 70:30 Emp.-Pop. 40 points 60:40 Emp.-Pop. 50 points 50:50 Emp.-Pop. 50 points 40:60 Emp.-Pop. 50 points 30:70 Emp.-Pop. 40 points 20:80 Emp.-Pop. 30 points 10:90 Emp.-Pop. 20 points 0:100 Emp.-Pop. 10 points
<b>SUSTAINABILITY INITIATIVES</b> (e.g., Mobility Hub, greenway, etc.)	<b>Data Source</b> Broward County (2013)	<b>Data Source</b> Field Review / Google Earth	<b>Data Source</b> Broward MPO (2013)	<b>Data Source</b> BCT and SFRTA (2014)	<b>Data Source</b> Signal Four, University of Florida (2012-2016)	<b>Data Source</b> Signal Four, University of Florida (2012-2016)	<b>Data Source:</b> ACS 2012, 5-year average (Census Block Group)	<b>Data Source</b> SERPM 7.0 (2010)
<b>TECHNOLOGY ADVANCEMENTS</b> (e.g., ITS, upgraded signalization, etc.)	<b>Summation</b> Points, 10, 30, and 50, are awarded based on the total number of activity centers observed within the buffer area.	<b>Discrete</b> Points, 10, 30, and 50, are awarded based on the number of connections to existing, like facilities.	<b>Ordinal</b> The observed data within the buffer area are sorted from the highest to lowest value and assigned a rank order from "1" to the maximum number of projects. If projects have the same data value, the same rank is assigned. These ranks are then 'normalized' and points, between 10 and 50, are awarded.				<b>Proportion</b> Points, between 10 and 50, are awarded based on the proportion of employment to population within the buffer area.	



# Draft CS Master Plan Prioritization Criteria

## Connectivity

- Activity Centers
- Demand for Walking and Bicycling
- Walk Score

## Mobility

- Transit Boardings/Alightings
- Total Activity Count

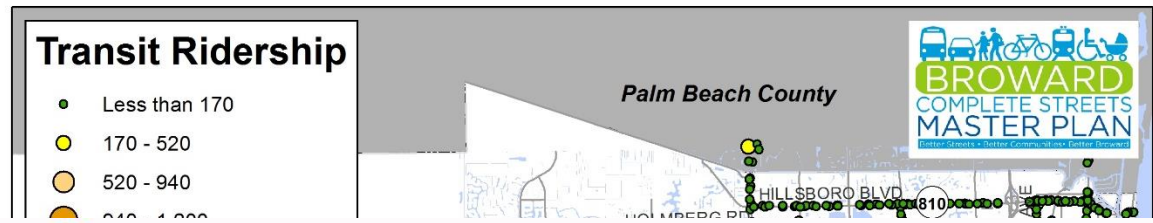
## Safety

- Pedestrian/Bicycle Crashes
- Intersection/Crossing Relationship Density

## Economic Development

- Equity – Concentration of Vulnerable Populations

# Prioritization Criteria



**Walk Score** Get Scores Find Apartments My Favorites Add to Your Site Log in ▾

## Live Where You Love

**Great Nearby Places**

**Improve Your Commute**

**Fits Your Lifestyle**

View neighborhood restaurants, coffee shops, grocery stores, schools, parks, and more.

Get a commute report and see options for getting around by car, bus, bike, and foot.

Learn about the neighborhood, view crime and safety, see what locals are saying, browse photos and places.

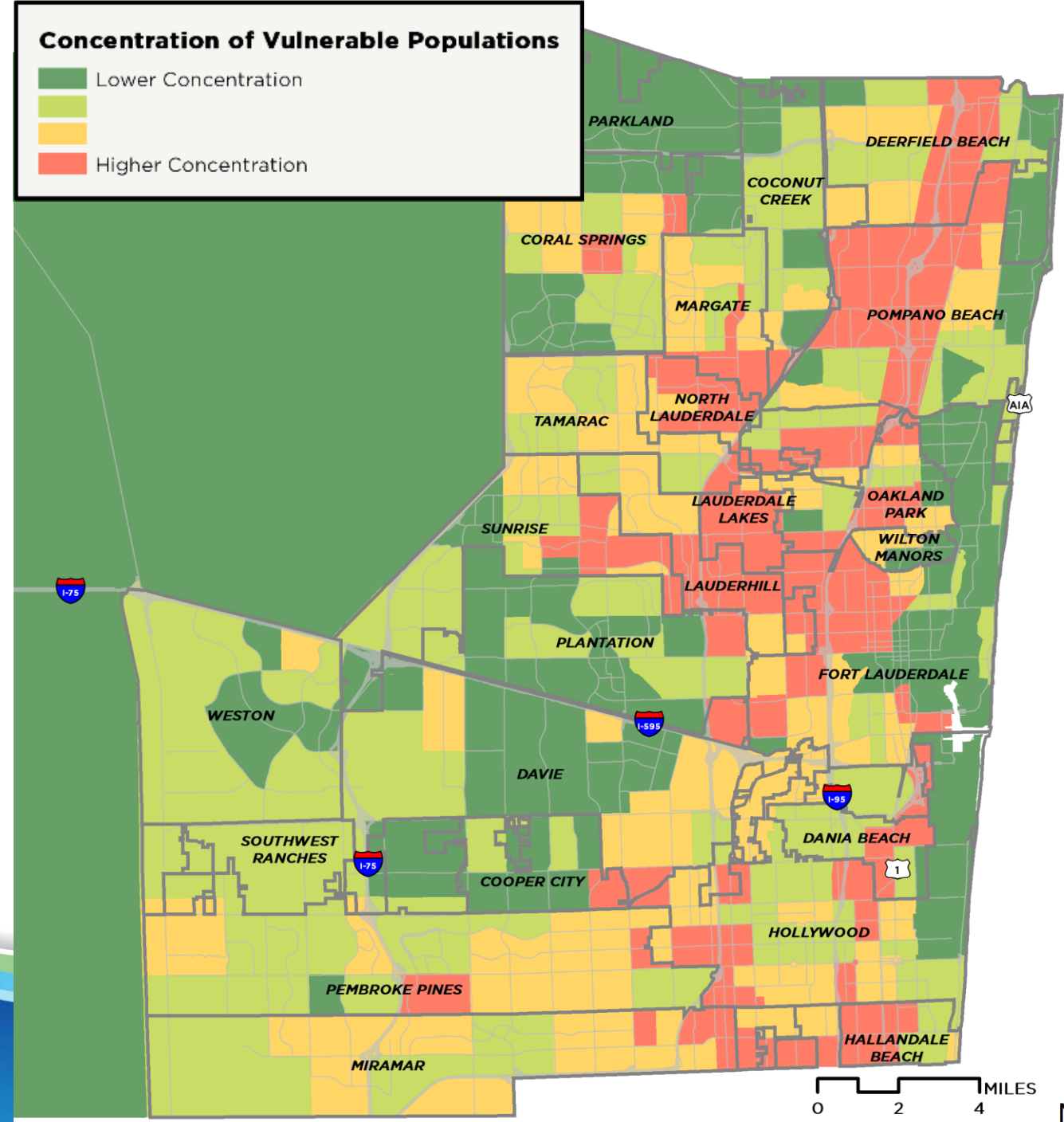
NOT TO SCALE



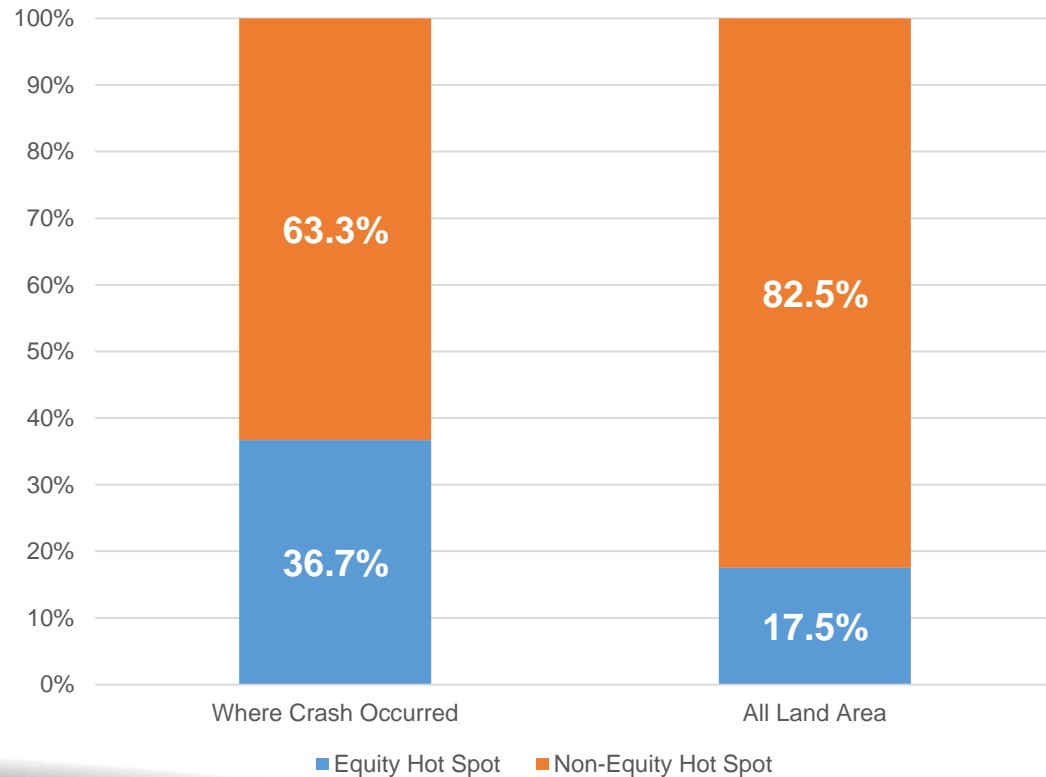
# Project Development

# High Equity Areas – Recap

- Evaluated factors that indicate where concentrations of vulnerable populations exist
- Factors identify areas where people rely more on walking and bicycling for trips
- Developed Composite Map



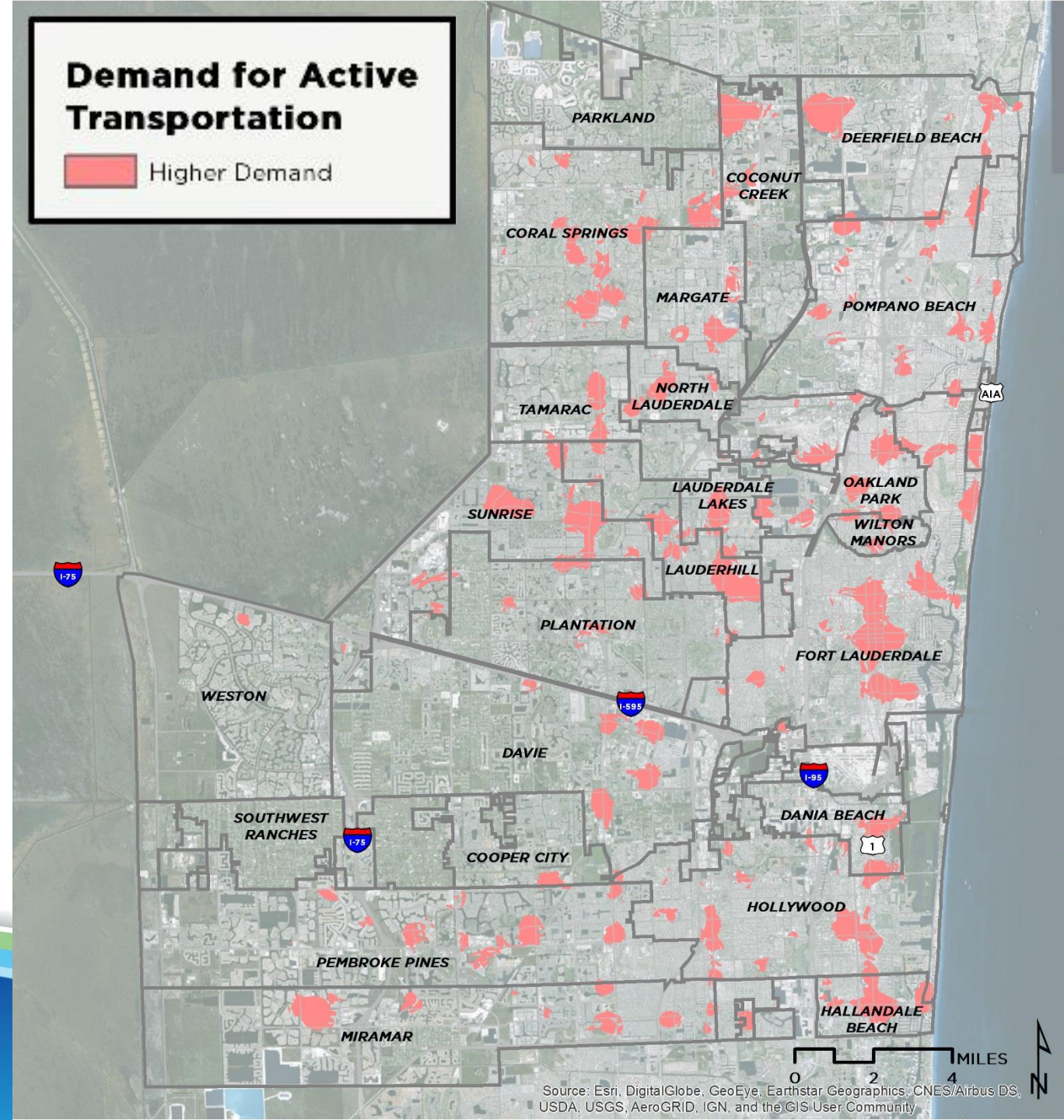
# Crashes & High Equity Areas



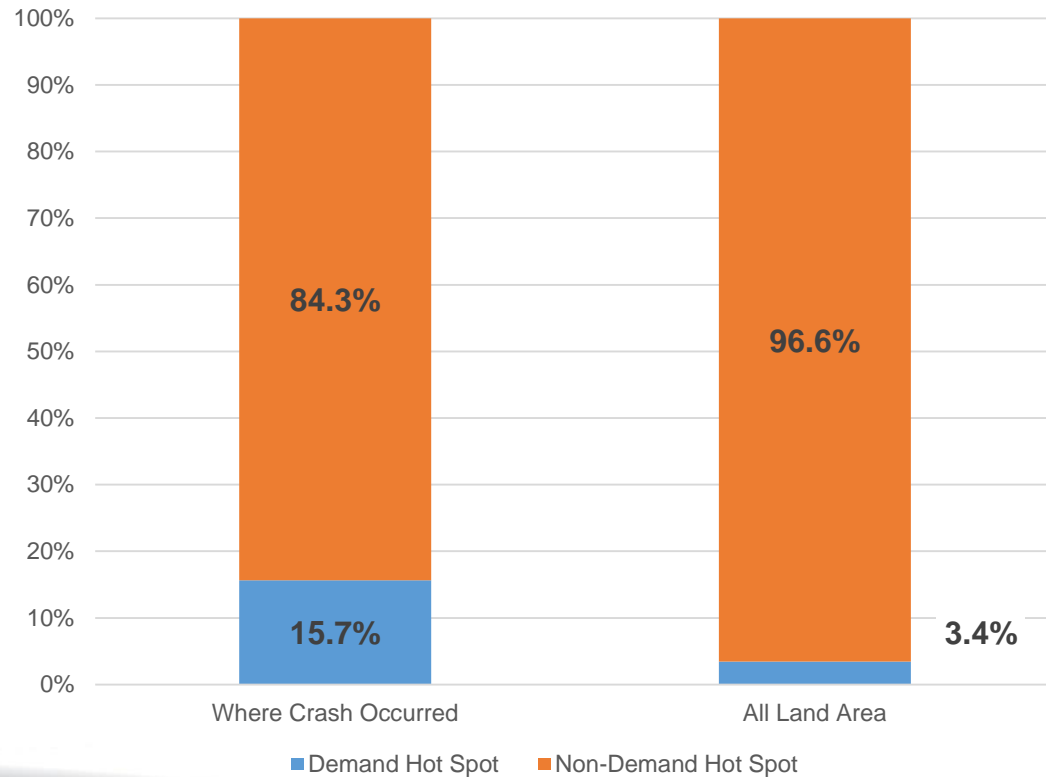
- High Equity areas represent **17.5%** of the land area of Broward County
- **Over 1/3 of crashes (36.7%)** are concentrated in High Equity areas
- Crashes are **overrepresented** in High Equity Areas

# High Demand Areas – Recap

- Evaluated where people live, learn, work, play and access transit in Broward County
- Factors influence walking/bicycling demand
- Developed composite map of Hot Spots

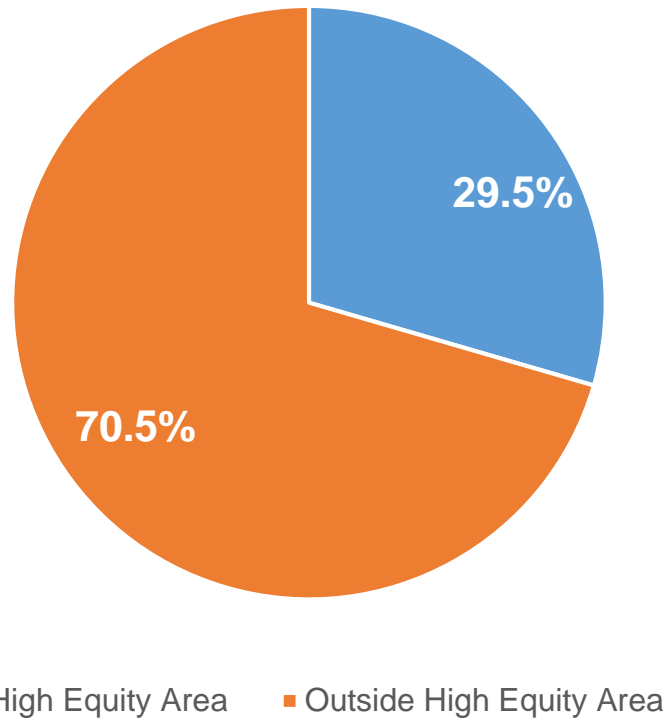


# Crashes & High Demand Areas



- High Demand areas represent **about 3%** of the land area of Broward County
- **Over 15% of crashes** are concentrated in high demand areas
- Crashes are **overrepresented** in High Demand Areas

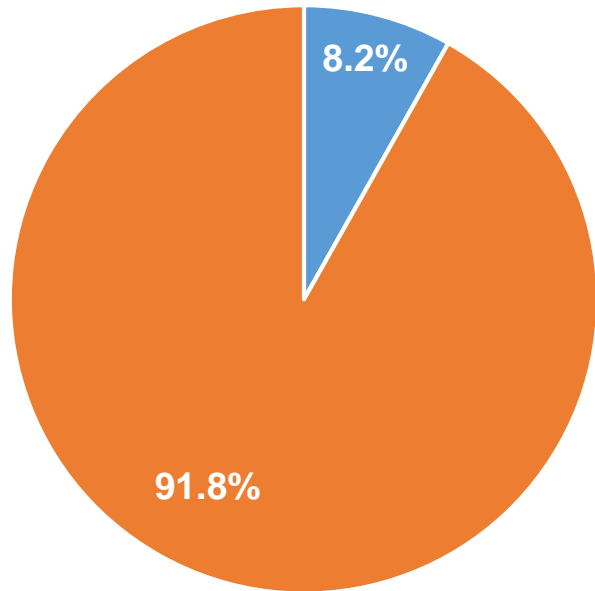
# Roads in High Equity Areas



***30% of roadways in Broward County are located in areas with the highest concentration of vulnerable populations***



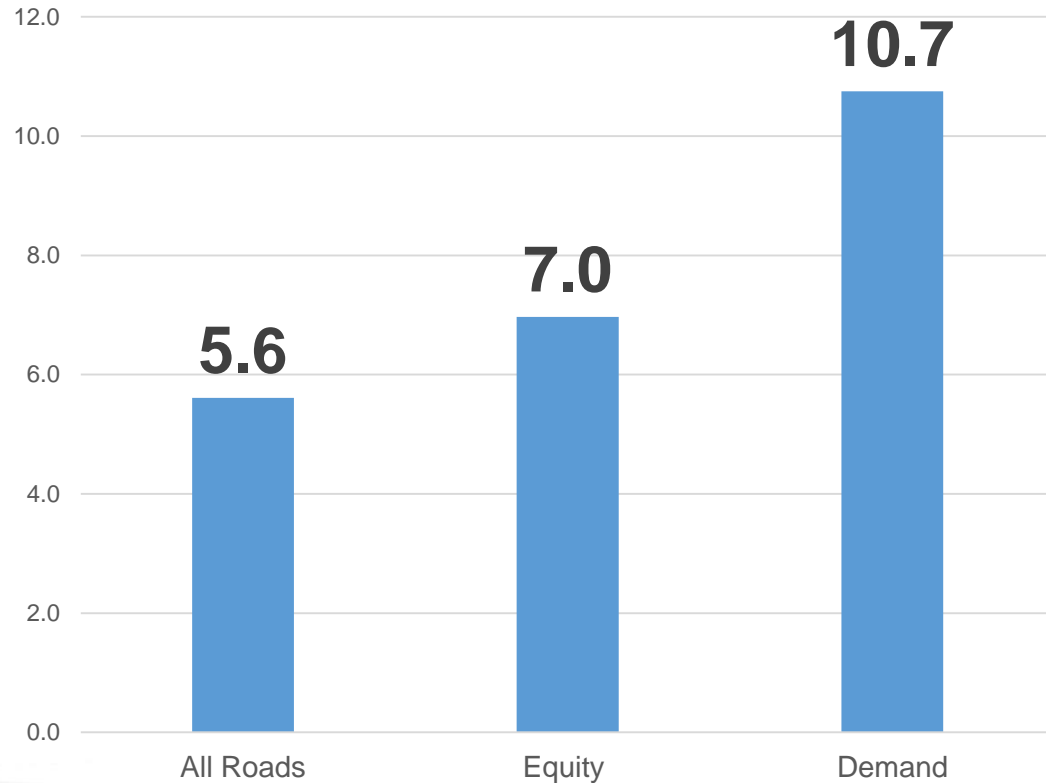
# Roads in High Demand Areas



**8% of roadways** in Broward County are in an **area of High Demand**

■ High Demand Area   ■ Outside High Demand Area

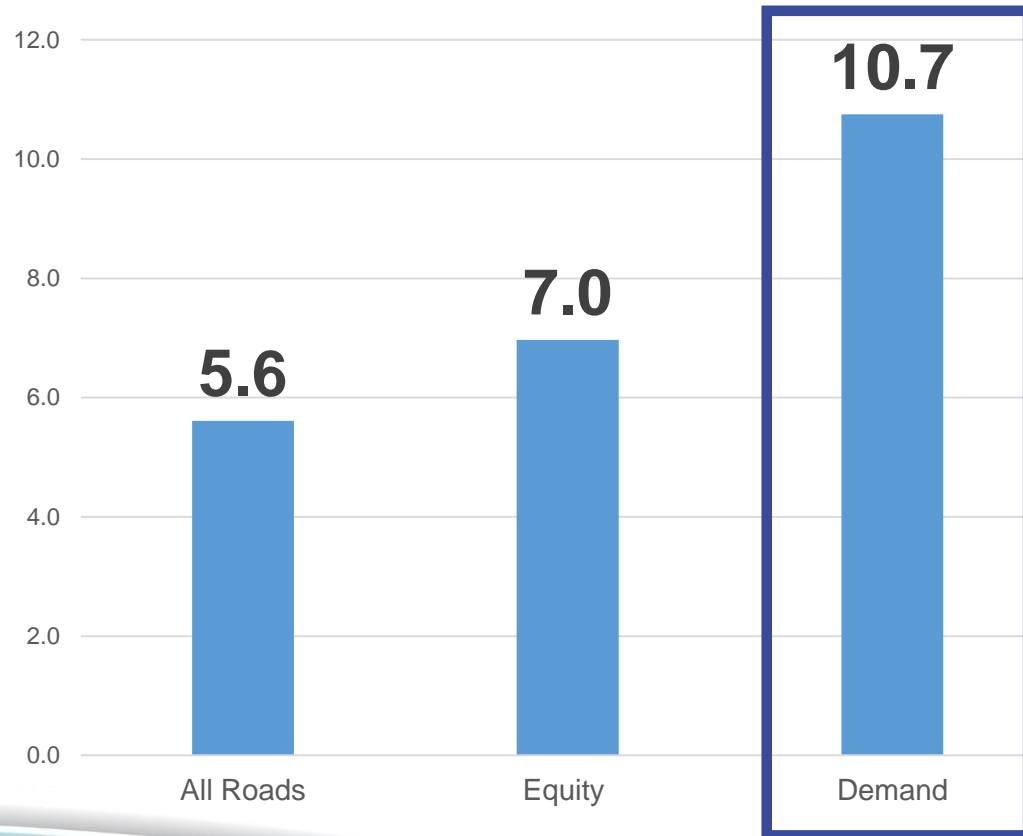
# Crashes per Mile



Per mile, ***crashes occur twice as frequently in areas of high demand compared to the rest of Broward County***

Areas with the ***highest concentration of vulnerable populations*** also see higher crash rates per mile

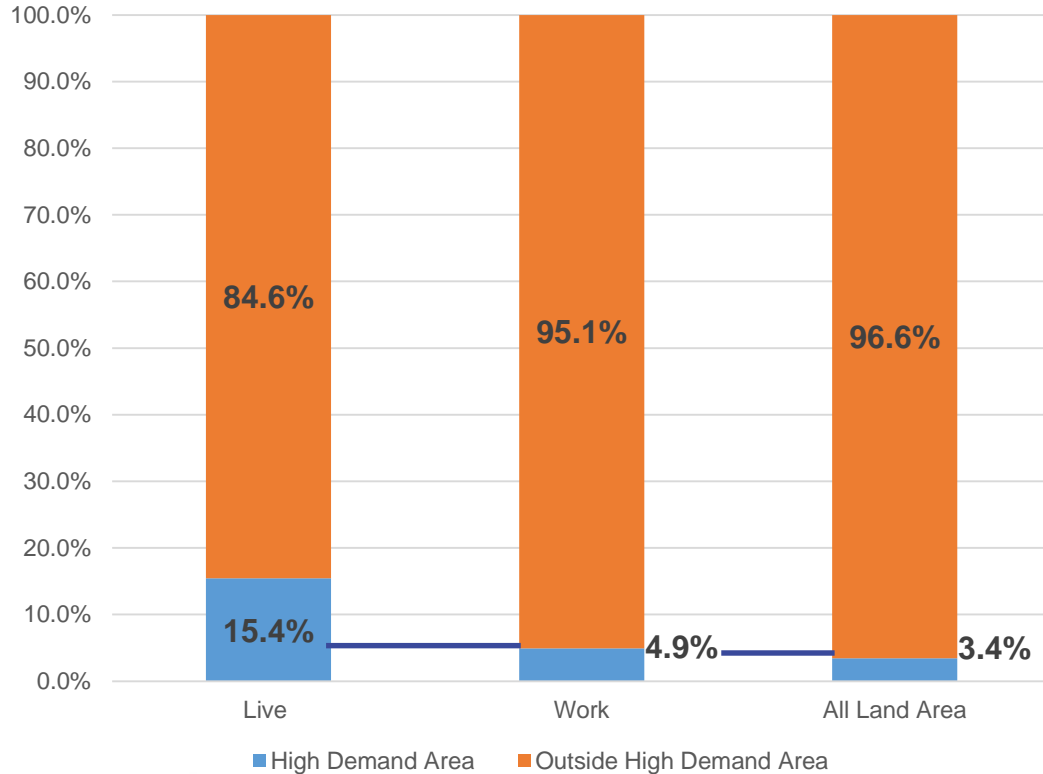
# Crashes per Mile



← Roads in *high demand areas* represent **8%** of Broward County Roadways

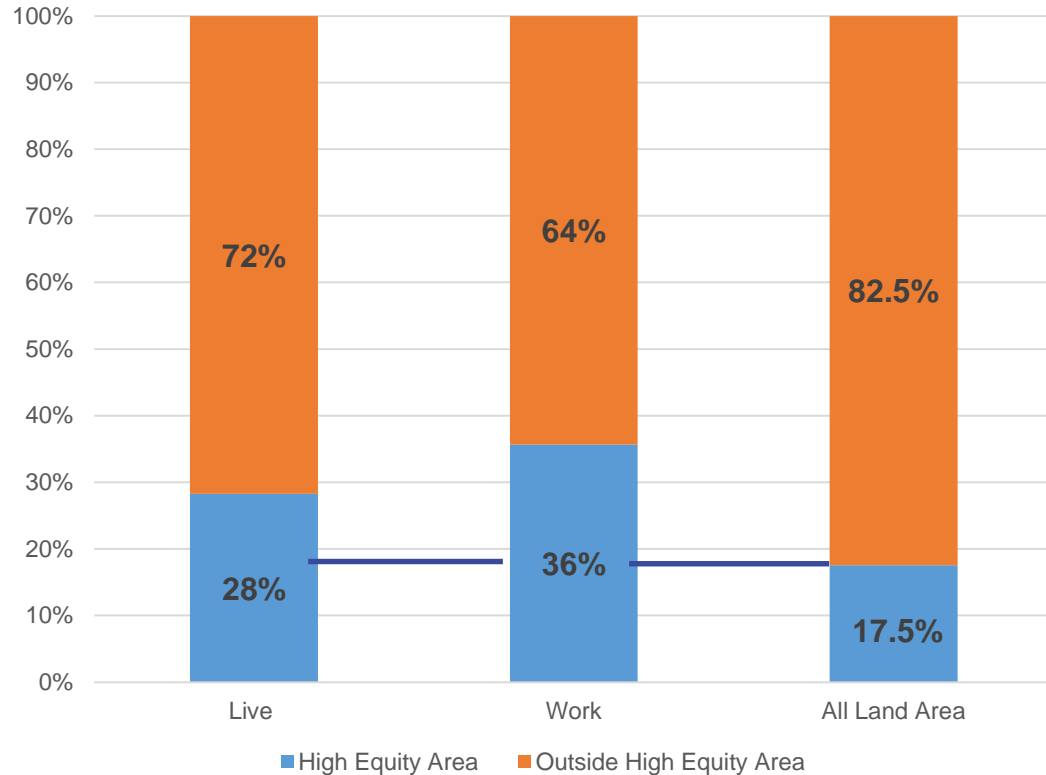
Concentrating improvements on these roadways could be a **cost effective way to address safety issues**

# Live and Work in *High Demand Areas*



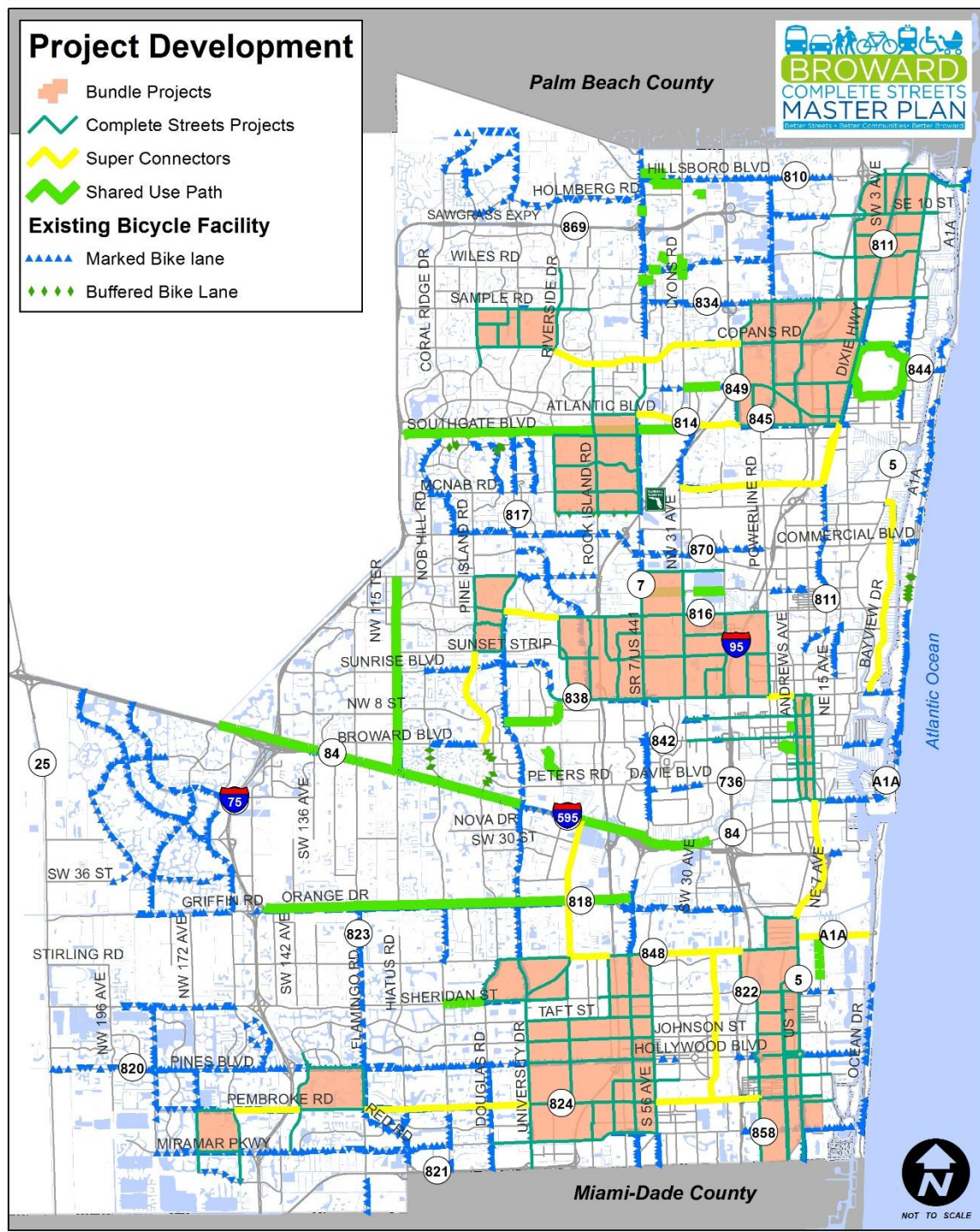
- Comprise **3.4%** of all of Broward County
- Over **15% of people live** and **5% of people work** in these areas
- High demand areas are ***overrepresented*** in terms of where people live and work

# Live and Work in *High Equity Areas*

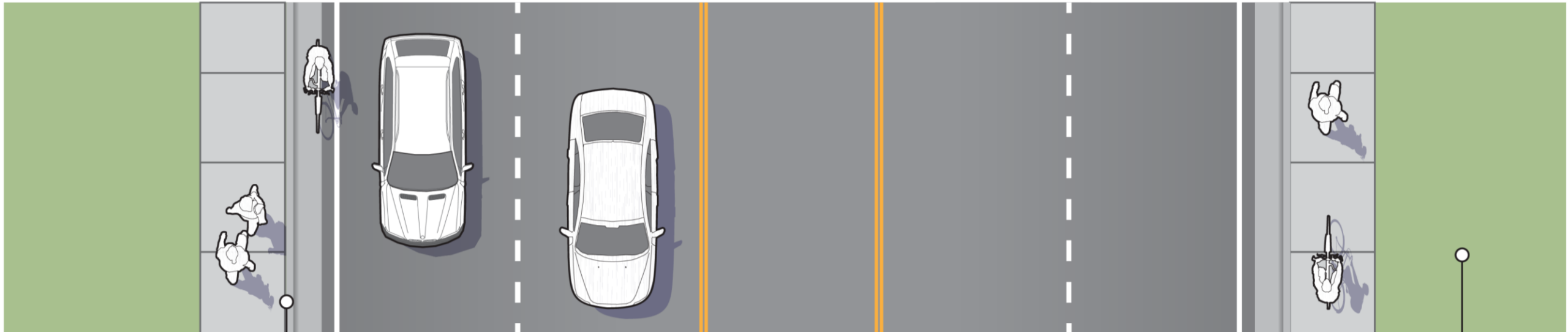


- Represent **17.5%** of all of Broward County
- Over **30% of people live** and almost **35% of people work** in these areas
- High equity areas are ***overrepresented*** in terms of where people live and work

# Bundle Projects → Complete Streets Projects



# Major Roadway – Existing Condition A



Sidewalk

Travel Lane

Travel Lane

Median

Travel Lane

Travel Lane

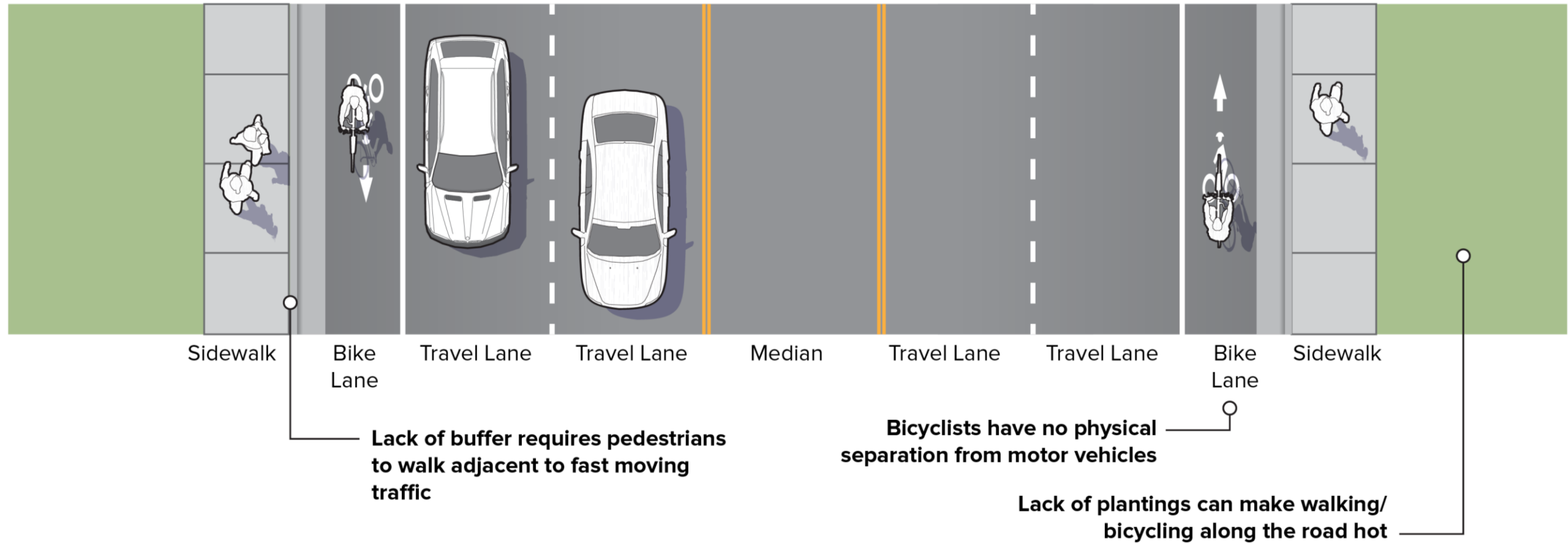
Sidewalk

Lack of buffer requires pedestrians to walk adjacent to fast moving traffic

Bicyclists have no dedicated space on-road; Some may ride in the road shoulder, while others may choose to ride on the sidewalk

Lack of plantings can make walking/ bicycling along the road hot

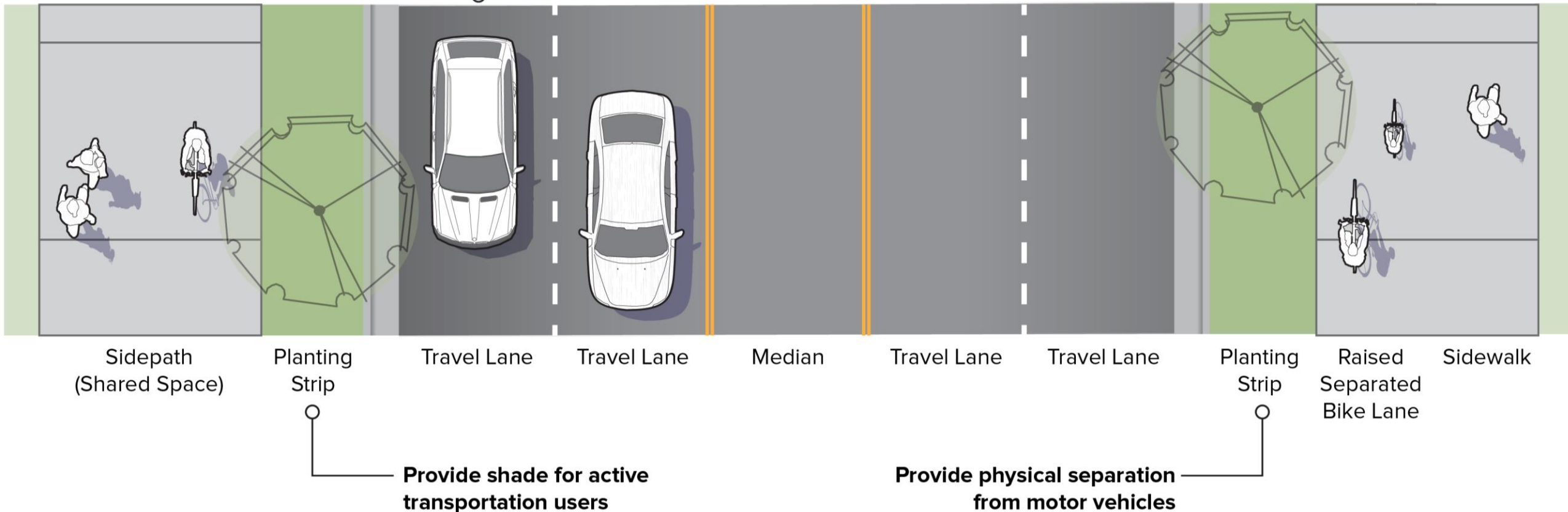
# Major Roadway – Existing Condition B (Bike Lane)





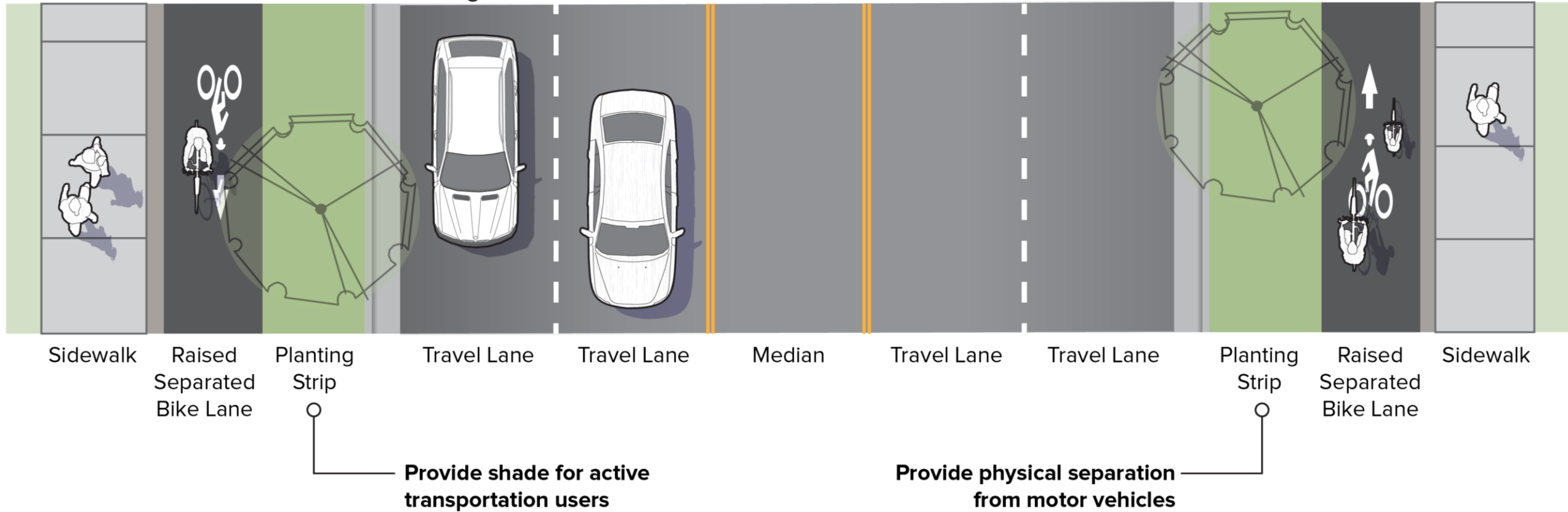
# Major Roadway – Future Option

In constrained rights-of-way, lane configuration may require modification to accommodate planting strip, bikeway and sidewalk



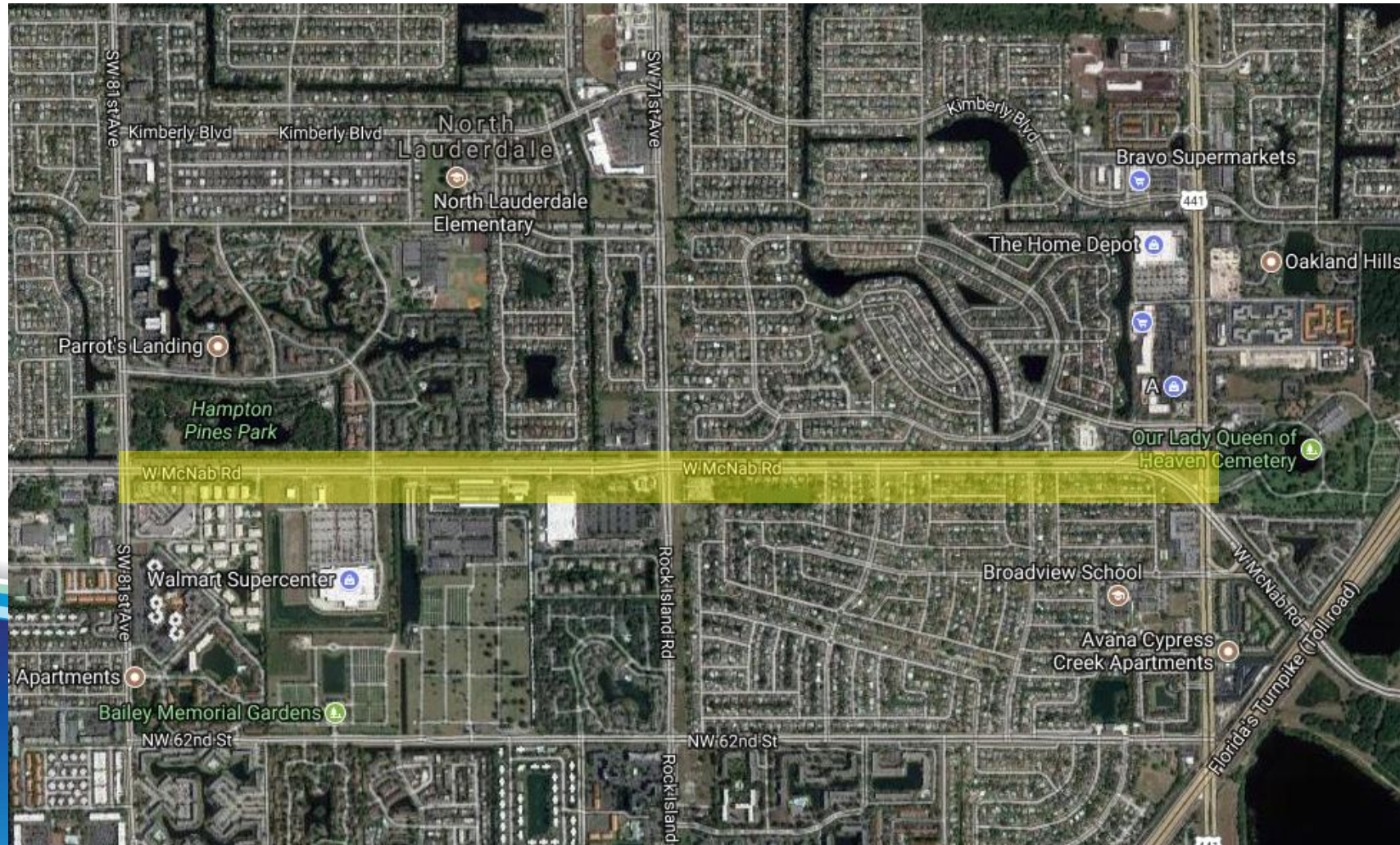
# Major Roadway – Future Option

In constrained rights-of-way, lane configuration may require modification to accommodate planting strip, bikeway and sidewalk



# Initial Prioritization Analysis

- McNab Road from SW 81 Avenue to SR 7/US 441



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- McNab Road from SW 81 Avenue to SR 7/US 441





# Lane Elimination Coordination Progress

# Lane Elimination Coordination Progress

- ✓ Planned Projects Review
- ✓ Lane Elimination Map
- Lane Elimination Coordination
  - ✓ Identified Coordination Entities
    - Proximity Review-Updated
  - ✓ Lane Elimination Status Table
- Network analysis of impacts

# Lane Elimination Project List

City	Local Name	Begin Project Limits	End Project Limits	Lane Reconfig Desc	State Road #	Source	Lane Elimination Status	Active?	FM #
Dania Beach	Dania Beach Blvd	NE 1st Ave	Gulfstream Rd	6L to 4L	A1A	FDOT	Withdrawn	Inactive	437847.1
Deerfield Beach	SW MLK Jr. Ave/ SW 3rd Ave	SW 9th St	SW 1st St		-	Broward CS Master Plan- Research	Under Consideration	Active	
	Hillsboro Blvd	Dixie Hwy	US 1	6L to 4L	810	FDOT	Funded	Active	430602.1
Fort Lauderdale	Birch Rd	Bayshore Dr	Vista Mar Dr		-	City of Fort Lauderdale	Under Consideration	Active	-
	NW 27th Ave	Broward Blvd	Sunrise Blvd		-	City of Fort Lauderdale	Under Consideration	Active	-
	NW 27th Ave	Davie Blvd	Broward Blvd		-	City of Fort Lauderdale	Design	Active	-
	Las Olas Blvd	SE 11th Ave	SE 15th Ave		-	City of Fort Lauderdale	Design	Active	-
	NE 13th St	NE 4th Ave	NE 9th Ave		-	City of Fort Lauderdale	Under Construction	Active	-
	A1A	Oakland Park Blvd	Flamingo Rd	4L to 2L	A1A	City of Fort Lauderdale	Under Construction	Active	-
	A1A	Sunrise Blvd	NE 18th Street	4L to 2L	A1A	City of Fort Lauderdale	Construction Complete	Active	-
	SE 3rd Ave	SE 17th St	SE 6th St		-	City of Fort Lauderdale	Under Consideration	Active	-
	Cypress Creek Rd	Powerline Rd	Andrews Ave		-	City of Fort Lauderdale	Planned	Active	-
	NE 15th Ave	NE 11th St	NE 13th St		-	City of Fort Lauderdale	Under Consideration	Active	-
Fort Lauderdale / Wilton Manors	NW 19th St	State Road 7	Powerline Rd		-	City of Fort Lauderdale	Withdrawn	Active	-
	Cordova Rd	SE 15th St	SE 17th St		-	City of Fort Lauderdale	Under Consideration	Active	-
Fort Lauderdale / Wilton Manors	Powerline Rd	Sunrise Blvd	NW 29th St	4L to 2L	845	FDOT/City of Fort Lauderdale	Construction Complete	Active	428731.1
	NE 4th Ave	Sunrise Blvd	NE 26th St		811	FDOT/City of Fort Lauderdale	Design	Active	431657.1
Hollywood	N Dixie Hwy	Pembroke Rd	Sheridan St		-	Broward MPO	Under Consideration	Active	-
	N 21st Ave	Pembroke Rd	Sheridan St		-	Broward MPO	Under Consideration	Active	-
	A1A	Hollywood Blvd	Sheridan St	4L to 2L	A1A	FDOT	Cancelled	Active	-
Lauderdale Lakes	NW 36th Terr	NW 29th St	Oakland Park Blvd		-	Broward CS Master Plan- Research	Under Consideration	Active	
Oakland Park	Powerline Rd	Oakland Park Blvd	Commercial Blvd		845	FDOT	In Coordination	Active	440746.3
	Prospect Rd	Poweline Rd	Dixie Hwy		-	Broward MPO	Funded	Active	435925.1
Pompano Beach	Dixie Hwy	McNab Rd	SW 2nd St		811	FDOT	Approved	Active	427011.2
	Pompano Park Place	Cypress Rd	Powerline Rd		-	Broward MPO	Under Consideration	Active	-
Sunrise	Joshlee Blvd	Oakland Park Blvd	Nob Hill Rd		-	Broward CS Master Plan- Research	Under Consideration	Active	
	New River Circle	Weston Rd	Weston Rd		-	Broward CS Master Plan- Research	Under Consideration	Active	
	Springtree Dr	NW 44th St	University Dr		-	Broward CS Master Plan- Research	Under Consideration	Active	
	NW 94th Ave	Oakland Park Blvd	Commercial Blvd		-	Broward CS Master Plan- Research	Under Consideration	Active	
	Sunrise Blvd	Sawgrass Expressway	Flamingo Rd		-	Broward CS Master Plan- Research	Under Consideration	Active	
	Sunrise Lakes Blvd	NW 105th Ln	University Dr		-	Broward CS Master Plan- Research	Under Consideration	Active	
	Springtree Lakes Dr	Nob Hill Rd	Pine Island		-	Broward CS Master Plan- Research	Under Consideration	Active	
Sunset Strip	NW 109th Ave	Nob Hill Rd		-	Broward MPO	Under Construction	Active	438123.1	
Weston	Saddle Club Rd	Lakeview Dr	Weston Rd		-	Broward CS Master Plan- Research	Under Consideration	Active	

# Lane Elimination Coordination

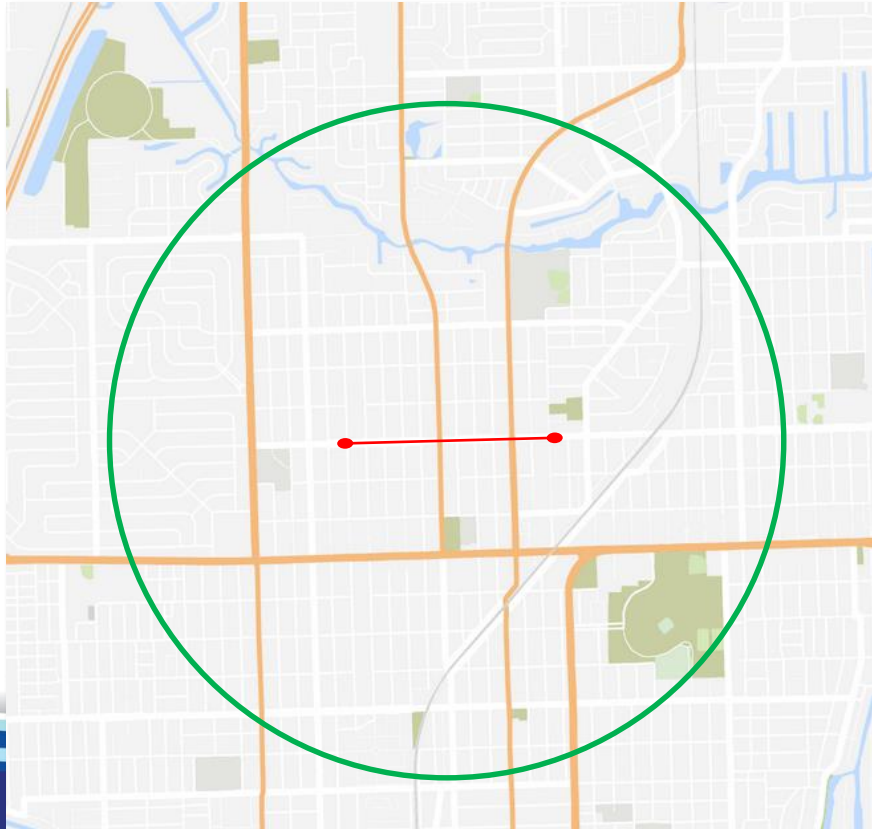
Any Proposed Lane Elimination should encompass a review of the following potential impacts in close proximity to the proposed project:

- Planned Projects
- Street Network Impacts
- Planning Impacts

This review crosses city and county boundaries if needed.



# Lane Elimination Coordination Proximity Review

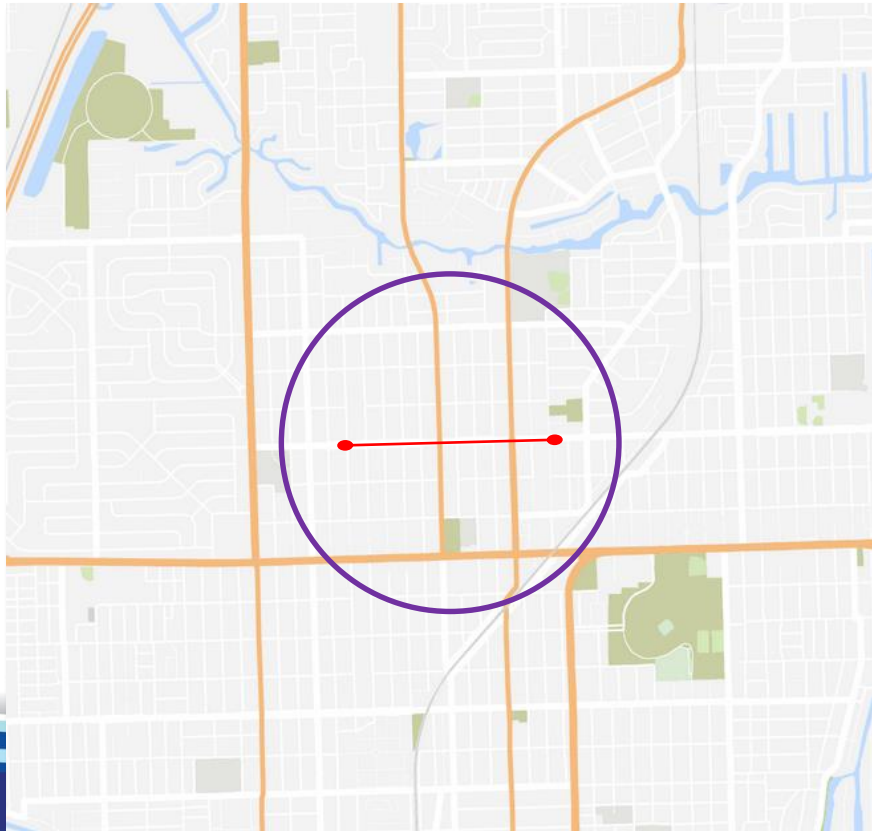


Within 2 Miles\*:

- Other Lane Elimination Projects
- FDOT roadway projects
- MPO roadway projects
- Planned developments
- Projects in the current CIP that may create street network impact

\*General review area recommendation, can be modified for different circumstances

# Lane Elimination Coordination Proximity Review



## Within ½ Mile

- Planned or ongoing traffic calming studies
- Planned access management changes
- Bus stops
- Projects in TDP
- One-way streets
- Existing traffic calming

# Next Steps

- Network analysis of Lane Elimination impacts
- Develop Lane Elimination Coordination form/procedure



# Master Plan Outreach

# Master Plan Outreach

- The goal is to provide opportunities for community input throughout the development of the Master Plan with an emphasis on obtaining input from hard to reach communities.
- Audience – All of Broward County
  - Target Populations - Broward County Municipal Services District, City of Lauderdale Lakes, City of North Lauderdale, City of Lauderdale Hill, City of Pembroke Park, City of Miramar, City of Hallandale Beach, and City of West Park
- Branding and Education on Benefits

# Outreach Schedule

- July 2017 – Finalized approach with Broward MPO
- October and early November 2017 - Kickoff Public Outreach
  - Focus Groups
  - Social Media
  - Polling and Input Mapping
  - Coordination with SpeakUp Broward
  - Partner Survey and Coordination
- January 2018
  - Public Input Close-Out Meeting

# Updates on Outreach Strategies

- High-Touch
  - Focus Groups
  - One-on-One Interactions
- High-Tech
  - Websites: [BetterStreetsBetterBroward.Org](http://BetterStreetsBetterBroward.Org)
  - Digital Input Mapping
    - Eg. <http://touchbroward.org/hcz/srb/submit-an-issue/>
  - Web-based Communication Through Social Media
- Ongoing Contact with Public and Updates on Master Plan
- Public Input Close-out Meeting

# Focus Group Update

- Community #1 changed from BMSD to Dania Beach
- Both will be community member facilitated
- Facilitator training – Tuesday, October 17 from 9-11 a.m.
- Dania Beach Focus Group
  - October 24
  - CW Thomas
  - 7:00 p.m. – 8:30 p.m.
- Lauderdale Lakes Focus Group
  - October 25
  - 6:00 p.m. - 8:00 p.m.
  - Vincent Torres Memorial Park



# Community Survey Questions/Constructs

## Demographics

- What City in Broward do you live in?
- Do you want to continue to be involved in making your neighborhood's streets better? Address (cross streets)
- Zip \*required - Email - Raffle - Future communications

## Education

- How in favor would you be to receiving educational materials on the laws and practice of bicycling, walking, riding transit, and driving? (Likert Scale)

## Engineering

- How important would it be to have bikes lanes?
- How important would it be to have sidewalks?

# Community Survey Questions/Constructs

## Enforcement

- How would you like to see law enforcement more involved in maintaining the public's safety during commutes? Community relationship building with those that walk, bike ride transit and/or drive - tickets for those that walk, bike, ride transit or drive – police presence – etc.

## Encouragement

- Where would you go if you had access to sidewalks/bike lanes? Work, recreation, daily needs. Would there be new places that you wouldn't normally go to without these facilities?
- Your voice matters - Have you ever given input on your streets before? - If not, why - If yes, how and where - What would work/make it easy for you provide input?

## Evaluation

- Do you report non-emergency issues with commuting (walking/biking/riding transit/driving) via a phone call? Via an app? If not, would you be willing to use an app? If not, why?

# Community Survey Questions/Constructs

## All 5 Es

- Do you have sidewalks/bike lanes where you live? Do you use... Yes - how often/no, why not
- What are your primary modes of transportation? Check all that apply. Walking - Bicycling - Transit - Vehicle
- Do you use transit? Do you walk or bike to connect to transit? Yes, how often/no, why not
- How concerned are you about these barriers to bicycling? (not at all concerned, not too concerned, neutral, somewhat concerned, very concerned)

# Community Partner Engagement

- Community survey dissemination
- Partner Survey completion
- Master Plan Input

## Demographics

- Geographic representation
- Sector representation

## Education

- Provide insight on messaging and opportunities for education locally based on prior community input

## Engineering

- Priorities for pedestrian and bicycle facilities
- Gaps in pedestrian and bicycle facilities

# Community Partner Engagement

## Enforcement

- Successful local enforcement tactics that can be expanded in the Master Plan

## Encouragement

- Tactics that seem to support a transportation paradigm shift among staff and the community

## Evaluation

- Specific Data on past outreach efforts that would inform the Master Plan

# Community Partner Engagement

All Es

- Specific issues related to walking, bicycling or accessing transit in the community (Cultural or community-specific factors)

# 5 E's Programming

- Complete Streets Community Entity
  - Mission & Purpose
  - Who comprises the group?
  - Potential Activities



# Mission & Purpose

- County-wide focus dedicated to building cooperative relationships among cities, activists, community leaders, elected officials, civic leaders, and philanthropists in regard to Complete Streets
- Collaborate among municipalities, neighborhood associations, advocacy groups, etc. to develop programming that educates, promotes, and engages the Broward community about Complete Streets



# Potential Activities

- Plan and Host Community bike rides/walks along county trails
- Teach children safe-cycling skills via bike rodeos
- Organize special events featuring family rides and activities
- Encourage residents to commute to work, school, parks and other destinations by foot, bike and public transportation
- Host a webpage/social media page for sharing event info

# Structure/Membership

- Cities
- Broward County
- Advocacy Groups
- Neighborhood Associations
- Other relevant NGOs
- General Public

# Examples

- Bike305
- Green Mobility Network
- The Miami Bike Scene



Calendar of Events **March BIKE 305 MONTH** MIAMI-DADE COUNTY

Sunday • February 28

5th ANNUAL Gables Bike Day Sunday, February 28, 2016 11am to 2pm Morningside Park, Gables, Miami

**LET'S RIDE!**

Visit [Bike305.com](http://Bike305.com) for more info

Friday • March 4

**SAVE THE DATE!**

**BIKE 305 BIKE TO WORK DAY**  
Friday, March 4 @ University Metrorail Station

- ▶ Bike305 Resolution & Ride begin at 8 AM
- ▶ Arrive early for refreshments
- ▶ FREE Bike305 performance cycling shirt for every cyclist!
- ▶ Ride with Miami-Dade County Mayor Carlos A. Gimenez
- ▶ Learn how to take your bike on Metrorail
- ▶ Try bike commuting for one day! It may change the way you get around every day!

AvMed MACK CYCLE! The Underline Publix EBC

Visit [Bike305.com](http://Bike305.com) for more info

Saturday • March 12

**BIKES, BOOKS & BBQ**  
PALMER PARK  
6100 SW 67TH AVE  
SATURDAY, MARCH 12, 2016  
11am - 1pm

Details on [Bike305.com](http://Bike305.com)

**Sponsors**

AvMed Embrace better health! MACK CYCLE! State Farm

# Next Steps...

- Incorporate inter-agency comments received at PAC Meeting #3
- Refine project needs development and prioritization criteria
- Wrap-up phase 1 of the public outreach component
- Present revised analysis to Broward MPO Committees and Board in November/December

