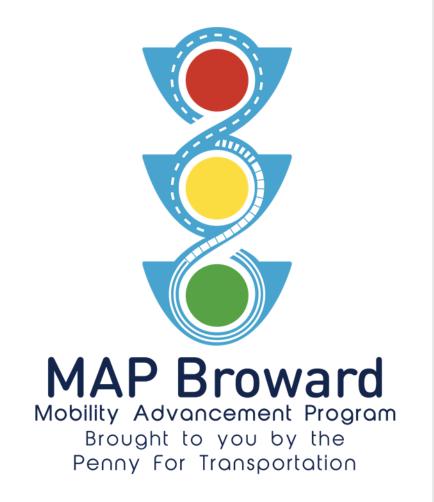
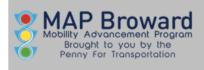
Independent Transportation Surtax Oversight Board Regular Meeting

February 28, 2025



Agenda Overview – Oversight Board Meeting



Welcome & Call to Order - Chair, C. Douglas Coolman

Roll Call – Program Project Coordinator, Roy Burnett

Regular Agenda

- **1.** Motion to Approve Oversight Board Meeting Minutes
 - August 9, 2024, Oversight Board Regular Meeting
 - b. October 25, 2024, Oversight Board Regular Meeting
 - c. December 11, 2024, Oversight Board Workshop

Presentations

- I. Office of Economic & Small Business MAP Broward CBE Goal Attainment Quarterly Update
- II. Low Stress Multimodal Mobility Network Master Plan Update
- III. Near-Miss Traffic Incident Identification System Study Update
- IV. Major Surtax Funded Projects in Port Everglades/Fort Lauderdale-Hollywood International Airport Region Coordination Update

Discussion Item

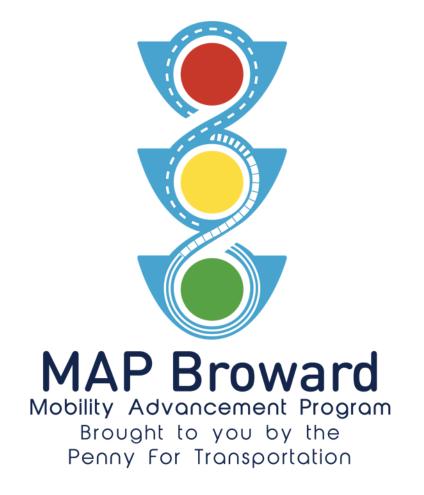
I. 3rd Amendment to the Transportation System Surtax Interlocal Agreement – Status Update

Member Reports, Board Coordinator & General Counsel Comments

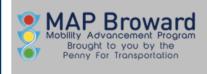
Adjourn



Regular Agenda



Action Item 1

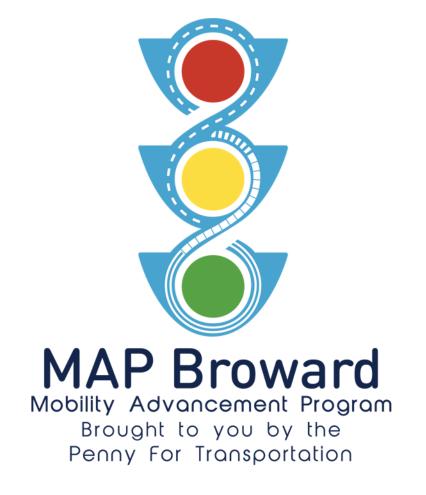


Motion to Approve Oversight Board Meeting Minutes

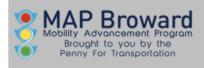
- a. August 9, 2024, Oversight Board Regular Meeting
- b. October 25, 2024, Oversight Board Regular Meeting
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MAP Broward Small Business Highlights

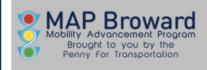


CBE Projects REVIEWED as of 09/30/2024

COUNTY Projects Reviewed*	MUNICIPAL Projects Reviewed*	
103 Projects	136 Projects	
\$933,000,437 Total Estimate of Projects	\$467,636,239 Total Estimate of Projects	
29% Average CBE Project Goal	33% Average CBE Project Goal	
\$415 M – Total CBE Projected Amount		



MAP Broward Small Business Highlights Cont'd

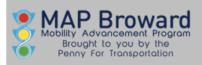


CBE Projects **AWARDED** as of 9/30/2024

Project Highlights	COUNTY	MUNICIPAL
Projected Amount to CBE Firms	\$139,628,572	\$29,591,230
Awarded to Contractors	52	50
Total Amount Awarded	\$451,499,871	\$77,409,081
Average CBE Commitment	35%	41%



Economic Impact



\$528 Million

Projected for Awarded Vendors

3,267

Projected Jobs Created
Directly from Awarded Projects

\$338 Million

Projected Additionally Generated Due to Spending by Material/ Service Providers and Employees 1,825

Projected Additional Jobs Created
Due to Additional Spending
Throughout the Community

\$221 Million

Projected Wages to Employees on Awarded Projects

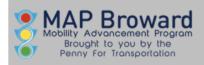
\$245 Million

Projected Spend by Awarded Vendors on Materials/Services and Vendor Profit Total Projected Economic Impact \$866 Million

5,092 Jobs



Completed Projects Exceeded CBE Commitment



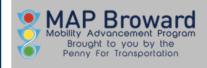
78.9%

of Completed Projects have Exceeded the CBE Commitment

Project Name	Broward County or Municipal	CBE Commitment	CBE Attainment
TSDOR SW 128th Avenue to Holatee Trail	Southwest Ranches	40%	43%
TSDOR SW 196th Ave to SW 202nd Ave	Southwest Ranches	35%	100%
Asphalt Roadway Resurfacing	Plantation	6%	8.9%
Emergency Repairs for Sheridan Street Bridge Over the Florida Turnpike	Broward County	10%	10.90%
Consulting Services for Lighting and Sidewalk Improvements	Broward County	36.1%	40.8%



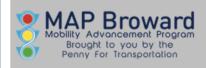
Completed Projects Exceeded CBE Commitment (cont'd)



Project Name	Broward County or Municipal	CBE Commitment	CBE Attainment
College Avenue Phase II Roadway Improvements	Davie	40%	64.4%
Wilton Drive Landscaping and Irrigation Project	Wilton Manors	80%	92.9%
NW 70th AVE Traffic Calming	Tamarac	61.5%	62.5%
Liberty Street	Hollywood	30%	47%
North 58th Avenue	Hollywood	30%	32%



Completed Projects Exceeded CBE Commitment (cont'd)



Project Name	Broward County or Municipal	CBE Commitment	CBE Attainment
SE 13th Avenue Over Tern Waterway Bridge Repairs	Deerfield Beach	35.5%	100%
16th Ave to 19TH Ave University Drive Alleyway Improvements & Wiles Road Alleyway	Coral Springs	61%	100%
Multiple Streets BC- HLYWD-FY2020-00001	Hollywood	30%	41%
Roadway Drainage System Repairs (Sailboat Circle Drainage Improvements)	Weston	85%	89.30%
Lakeview Drive Sidewalk Improvement for Safe Schools Route	Weston	83%	100%



MAP Broward-OESBD 5-Year Marketing Plan



OBJECTIVES

O1 Increase the number of CBE certified firms in MAP Broward project industries by 15% (100 new certified businesses).

O2 Recruit 20 new businesses to bid on MAP Broward projects

SEND SEND

O3 Increase name recognition among the Transportation industry throughout the United States

O4 Equip workforce for upcoming MAP Broward projects





MAP Broward-OESBD 5-Year Marketing Plan (cont'd)



FY 2025

- Identify and recruit certifiable businesses in MAP Broward specialties
- Begin target messaging to municipal bidders
- Kickoff MAP Broward-OESBD newsletter and bid text alerts
- Identify 100 businesses for bid outreach

FY 2026

- Host Certification
 Workshop
- Work with community partners to identify certifiable businesses
- Develop relationships with key partners for Industry Day launch
- Advertise in transportation industry publications nationwide

FY 2027

- Host MAP Broward industry day with key partners
- Billboard advertising in tri-county area
- Film and launch commercial showcasing MAP Broward businesses
- Commence rail transferable skills training sessions

FY 2028

- Billboard advertising in tri-county area
- Seek digital advertising in 2 major airports
- Sponsor major rail industry national conference

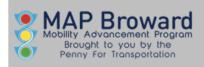
FY 2029

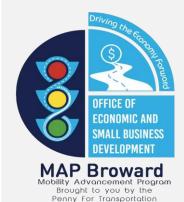
- Seek digital advertising in 3 major airports
- Sponsor and panel at major national transportation conference
- Seek

 apprenticeship
 training
 opportunities for
 youth, young
 adults, and adults
 in MAP Broward
 trades



Broward County OESBD

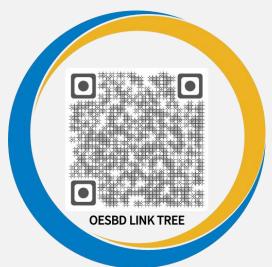






Thank You

Office of Economic and Small Business Development 115 S. Andrews Avenue, Room A-680 Fort Lauderdale, FL 33301 954-357-6400 | Broward.org/EconDev









BROWARD COUNTY

Low Stress Multimodal Mobility Network Master Plan Update



Transportation Oversight Board February 28, 2025



VISION

To create an inclusive low-stress multimodal transportation network for all ages and abilities in Broward County.







Public Outreach Summary

Community is the heart of the project















Community Outreach Events Main Takeaways from Public Input

"Neighborhoods need more sidewalks that are wide and safe from

cars"

"We need physical barriers between traffic lanes and bike lanes to ride safely"

"Need more shade, trees, benches and water fountains in walking and bike trails"

"Would love to walk and bike more but the county needs infrastructure to get out and about"

> "Distracted driving is an epidemic in the County. . . every driver is looking at a phone!"

Increase
Safety, Comfort,
Convenience,
Inclusivity

- **Comfort**: Wider sidewalks, shade, reduced noise, dedicated bike lanes.
- **Convenience**: Infrastructure to key destinations, amenities like bike stations, and secure parking.
- Inclusivity: Accessible pathways for all abilities, curb adjustments, connection to community facilities.
- **Safety:** Distracted driving impacts safety.



Existing
Infrastructure
Concerns

- Bike Path Gaps: Lack of continuous sidewalks and safe bike paths
- Maintenance: Insufficient upkeep of bike/ped paths
- **Safety**: Bike lanes too close to high-speed traffic
- Car-Focused Design: Prioritization of cars over pedestrians/cyclists
- Standardization: Inconsistent bike infrastructure and amenities
- User-Focused Design: Design lacks focus on bike/ped user needs
- Connectivity: Lacking connectivity to parks, neighborhoods, and shops



Desired
Separated
Facilities

- Physical Separation: Complete separation from motor vehicles
- **Funding Flexibility:** More funding for bike/pedestrian infrastructure
- High-Crash Areas: Targeted safety improvements in crashprone zones
- Other Infrastructure improvements: coordinated crossings





- High-Density: Safe paths in downtowns/transit hubs
- Access to Destinations: Paths to malls, parks, entertainment, and transit connections
- Existing Corridor Improvements: Enhance existing high-use corridors and routes that connect across municipal boundaries
- Parks and Recreation: Safe connections to and from areas used as parks or for recreation
- **Special Population Needs:** Pedestrian-friendly adjustments for older adults and people with limited mobility





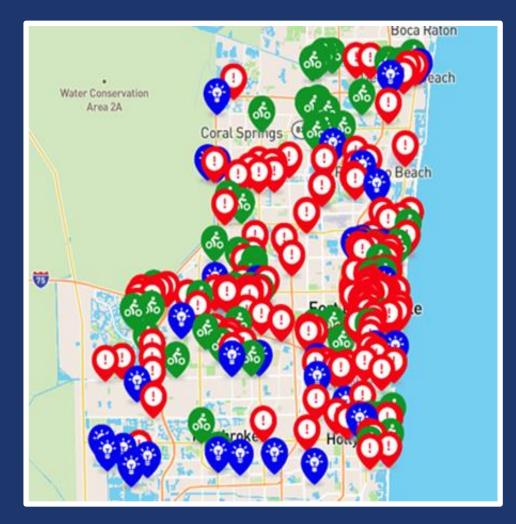
- Health Benefits: Safety and stress reduction
- **Environmental:** Lower CO₂ emissions, environmental health
- Community: Social interaction and connection
- **Enjoyment:** Appreciation of the climate, flora, fauna
- Safety in Numbers: Group rides for a safer experience



Crowdsource Map

Comment Summary Breakdown

- Public and stakeholder participation
- **22%** bike/ped friendly comments (areas identified in green feel safe, comfortable, accessible, etc.)
- **61%** needs improvement comments (areas identified in **red** feel unsafe, uncomfortable, inaccessible, disconnected, etc.)
- **17%** suggested improvements (areas identified in blue indicate opportunities for amenities or new facilities).

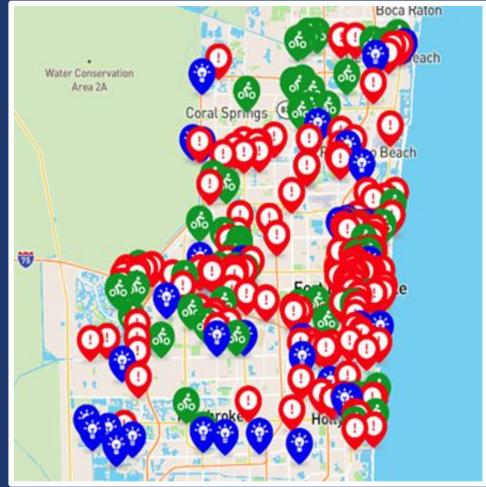




Crowdsource Map Main Takeaways

Main Challenges found at <u>red</u> locations

- Uncomfortable, Unsafe Crossings
- Vehicle Speed
- Condition of Facility
- Lack of Connectivity
- **Bike Lane Ends/Transition Concerns**
- Lack of Signage
- Not Enough Time to Cross Street
- Other Challenges (Lack of bike facility, no connection)



Crowdsource Map Main Takeaways



- Crosswalks
- More crossing time
- Lighting
- Wider sidewalks
- Shade
- Amenities



- •Bike facility separate from travel lane
- Prevent cars from blocking bike lanes
- Improve signage
- •Shade and bike racks
- Consistent bike facilities



Desired Other Improvements

- ADA push buttons
- Drainage
- Lighting
- Road safety education
- Bike/pedestrian-only streets



Crowdsource Map Main Takeaways



Vehicle Speed Management

- Reduce speeding and aggressive driving
- Increase traffic calming measures
- More "Complete Streets" projects



Intersection Improvements

- Reduce ped/bike delay
- Pedestrian signals
- Continue bicycle facilities
- Raised intersections where appropriate



Connectivity Improvements

 Improve connectivity to nearby neighborhoods, schools, parks, and transit stations



Transit Facilities

- Shade
- Sidewalks to transit stops
- Bicycle facilities to transit stops
- Transit stop maintenance



Public Survey Overview

Collection Period:

August 2023- September 2024

Sample Size:

Statistically Significant with 95%
 Confidence Level and 5%
 margin of error

Key Objectives

- Receive public feedback
- Capture public perceptions of existing infrastructure
- Capture public needs/wants
- Develop recommendations based on feedback



Survey Methodology

SURVEY TOOL

33 questions with topics including:

- Walking
- Biking
- Mobility Devices
- Comfort
- Safety
- Improvements
- Behavior

DISTRIBUTION

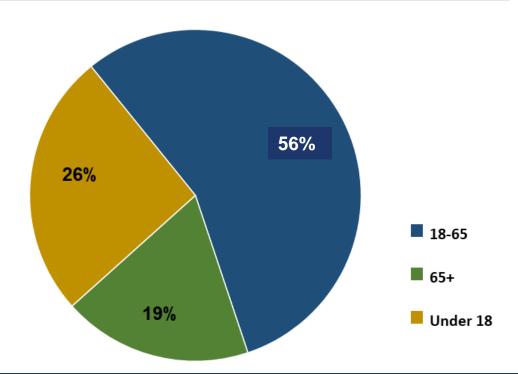
- Municipal & County Surtax Program
 Stakeholder Distribution Avenues
- Email Blasts (NPOs, Advisory Boards)
- Social Media, Social Media Ads, iHeartRadio (some geo-targeted)
- Outreach Events



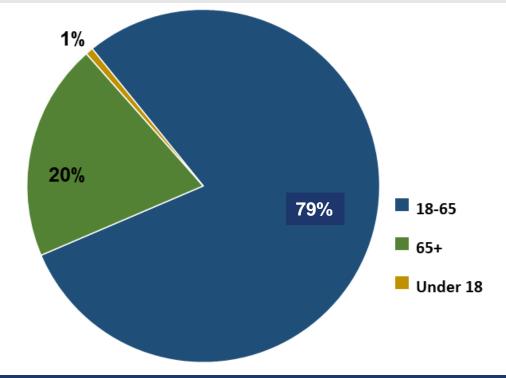
Survey Demographics

BROWARD COUNTY CENSUS DATA (2020)

Age



BROWARD MMMP SURVEY DATA (2023 / 2024)





BROWARD COUNTY CENSUS DATA (2020)

BROWARD MMMP SURVEY DATA (2023 / 2024)

Gender



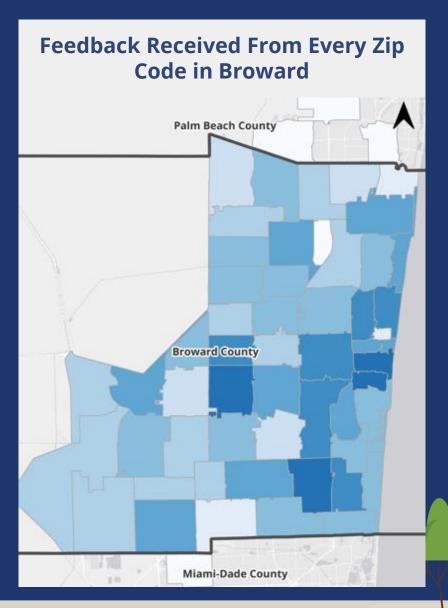


People with a Disability

Census Data: 6.7%

Survey: 6.9 %



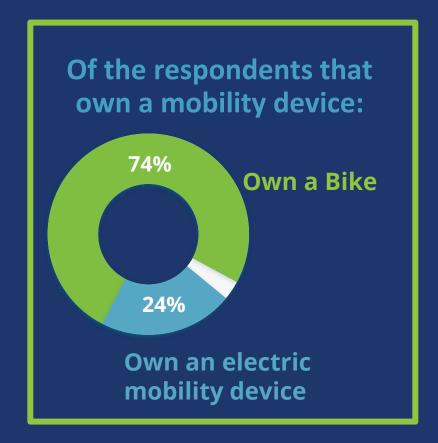


How long have respondents lived in Broward County?



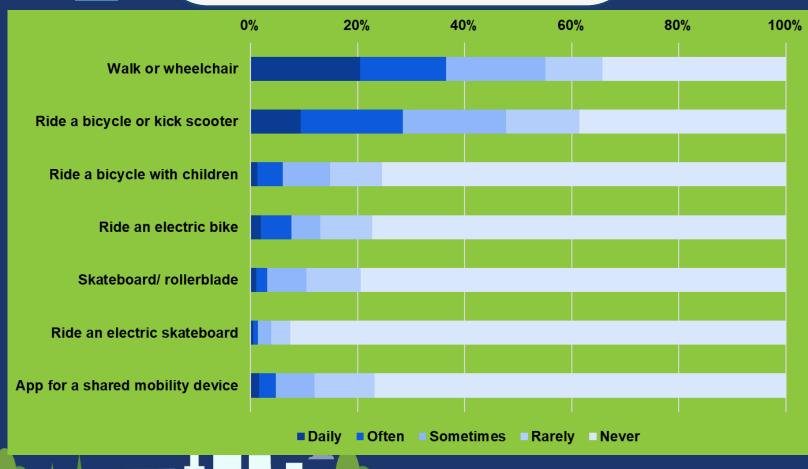
81% of respondents have lived in Broward County for 5 or more years





21% of respondents do not own any type of mobility device





People will WALK this long to the following destinations:





People will **BIKE** this long to the following destinations:



Is Broward County safe for walking and biking?



71%

89%

Findings

Do not feel safe crossing busy streets and riding a bike

Do not believe its safe for children to walk or ride a bike Believe the County needs improved facilities to make it feel safer for people who walk and bike

Believe their community is a great place to:









54%



Findings

% kids in households ages 5-18



20%

of respondents have kids

How do kids get to school?

7% Walk

Bike 9%

> More than 50% of kids in **Broward County are driven** to school

NATIONAL AVERAGE 9% WALK / 1% BIKE (BIKEPEDINFO.ORG, 2017)



How comfortable are people in Broward County with their children using the following transportation methods:

Walk: 41%

Ride a Bike: 37%

Ride a scooter: 24%

Ride a bus or train: 45%

Drive: 26%

Use a Taxi / Uber: 36%

Ride a mobility device: 37%









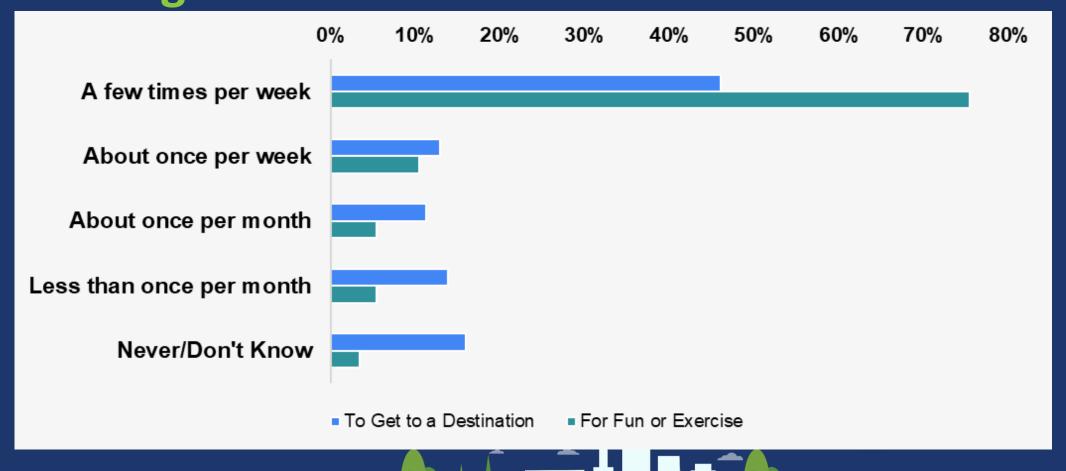






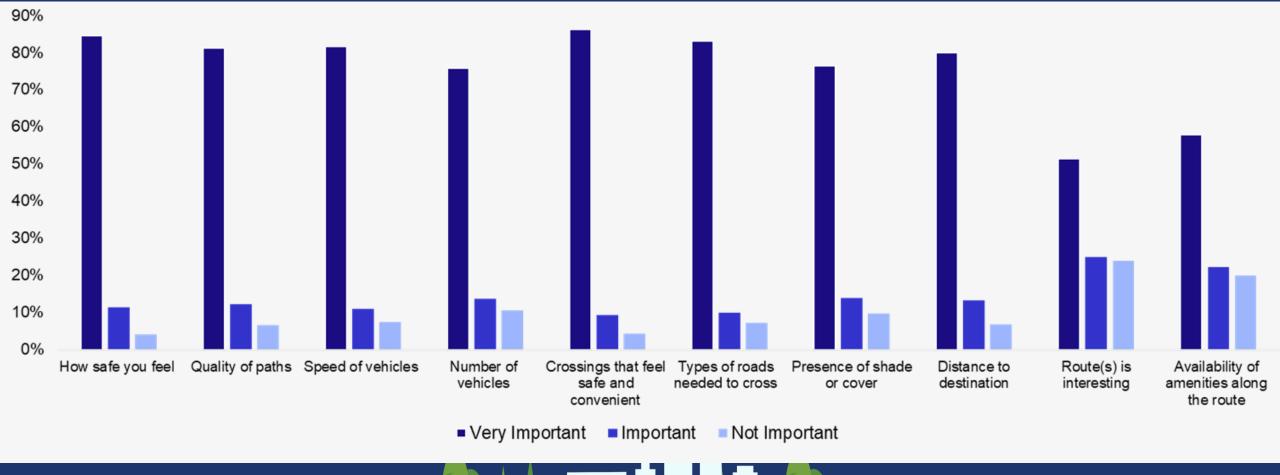


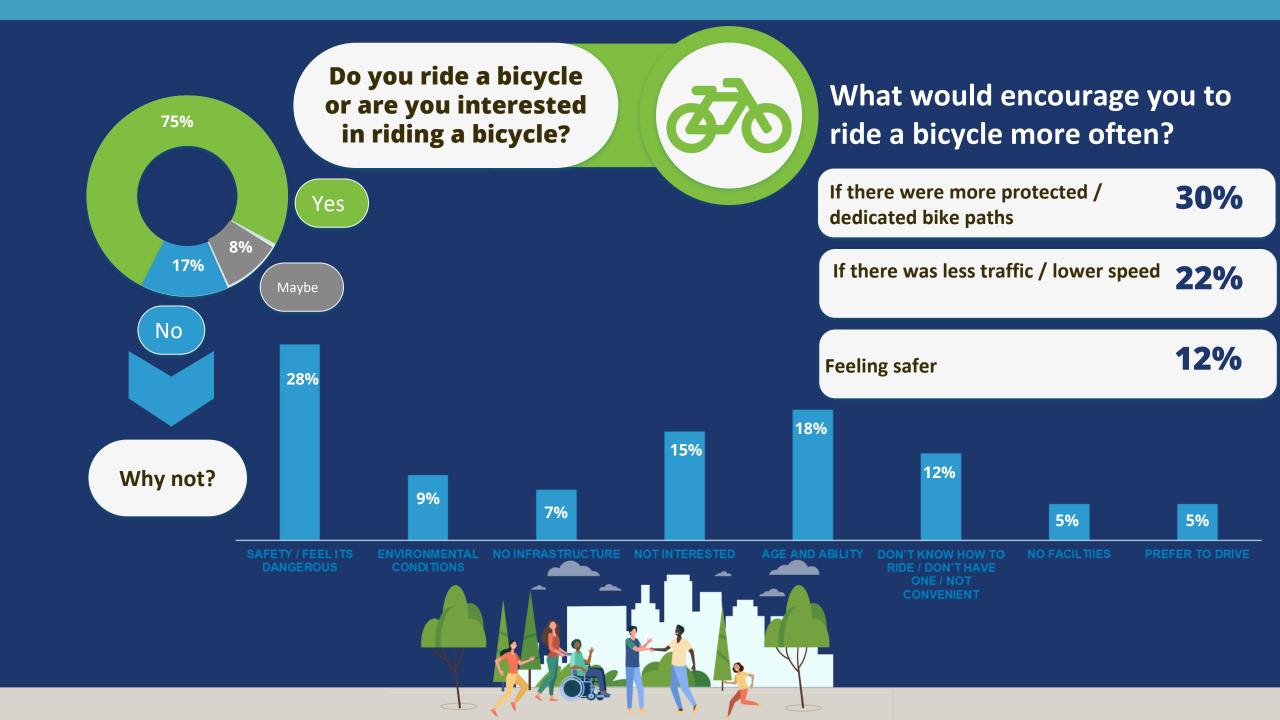
How often do people WALK in Broward County? Findings



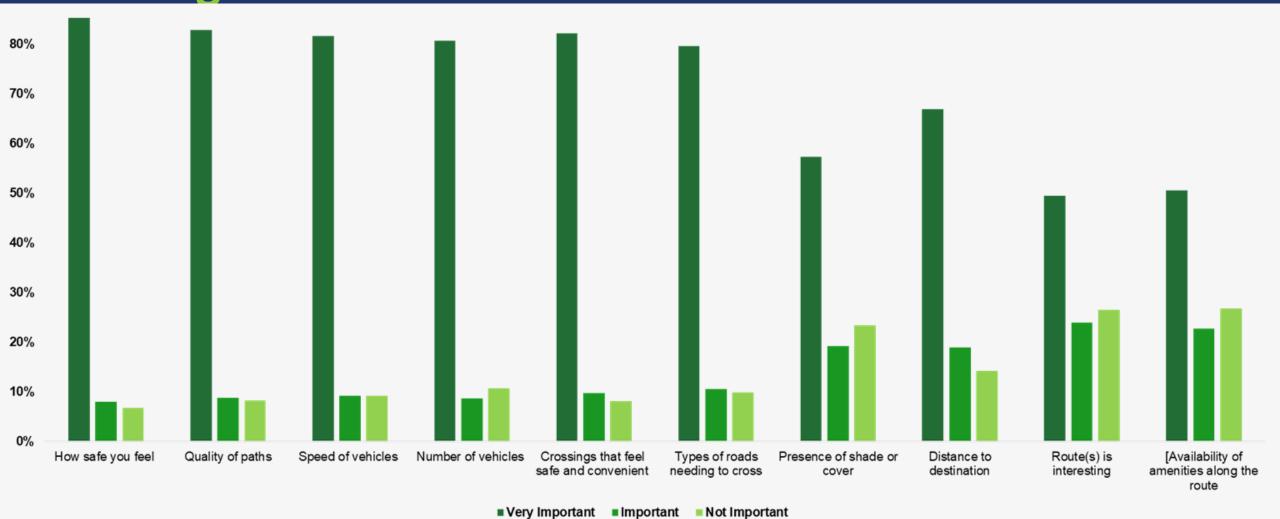
What influences people's decision to WALK?

Findings





What influences people's decision to BIKE? Findings



TOP 5 challenges identified through our public outreach

Pedestrian & Bike Amenities

The need for better facilities, such as bike lockers, shade, water fountains, bike racks, proper lighting, benches and rest areas encourage active transportation and often enhance the livability of an area

2 Safety



The absence of barriers between sidewalks and traffic lanes leaves pedestrians vulnerable to vehicles driving over curbs. Respondents expressed concern over driver behavior and the lack of police enforcement which deters them from walking and biking.

3 Infrastructure Deficiencies



Lack of continuous sidewalks, buffered bike paths, safe crosswalks and intersections, and a well maintained network discourage people from walking or biking in Broward County.

4 Proximity & Connectivity

The design of many areas requires long walks to reach essential services like grocery stores or workplaces. The county's infrastructure is predominantly designed for cars, discouraging pedestrian / bike activity

Environmental Challenges



The need to be protected from the elements while biking or walking is of great importance. The weather in Florida, during the hotter months of the year discourage people from walking or biking.

BROWARD COUNTY

Low Stress Multimodal Mobility Network Master Plan



Questions and Comments



Level of Traffic Stress

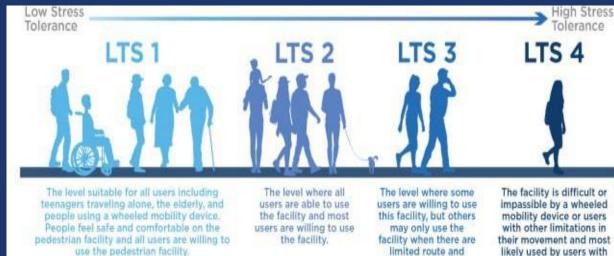
Bicycle Level of Traffic Stress



The level that most children can use confidently. The level that will be tolerated by most adults.

The level tolerated by confident cyclists who still prefer having their own dedicated space for riding. The level tolerated only by those with limited route or mode choice or cycling enthusiasts that choose to ride under stressful conditions.

Pedestrian Level of Traffic Stress



mode choices

available.

limited route and mode

choice.



Findings

What makes people comfortable when WALKING?

Typical neighborhood street Speed limit: 25 to 30 MPH.

Typical collector street Speed limit: 30 to 35 MPH.

Typical arterial/major street Speed limit: 35 to 45 MPH

Facilities that are comfortable to cross the street



92% Buffered sidewalk



90% Wide urban sidewalk



76% Shared-use Path



80% Paved Crosswalks



What makes people comfortable when BIKING?

Typical neighborhood street Speed limit: 25 to 30 MPH.

Typical collector street Speed limit: 30 to 35 MPH.

Typical arterial/major street Speed limit: 35 to 45 MPH

Facilities that are comfortable to cross the street



68%

Street with painted bike lane



Street with protected bike lane



79% Two-way separated & protected bike

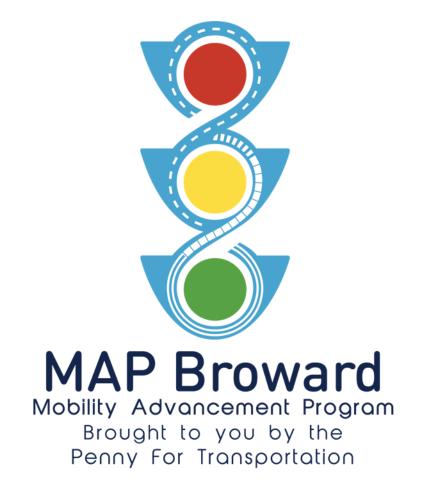


79% Protected bicycle interception

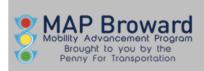


Near-Miss Traffic Incident Identification System Pilot Study Update

Dr. Sanjay Ranka, University of Florida







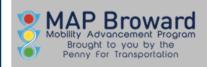
Overview

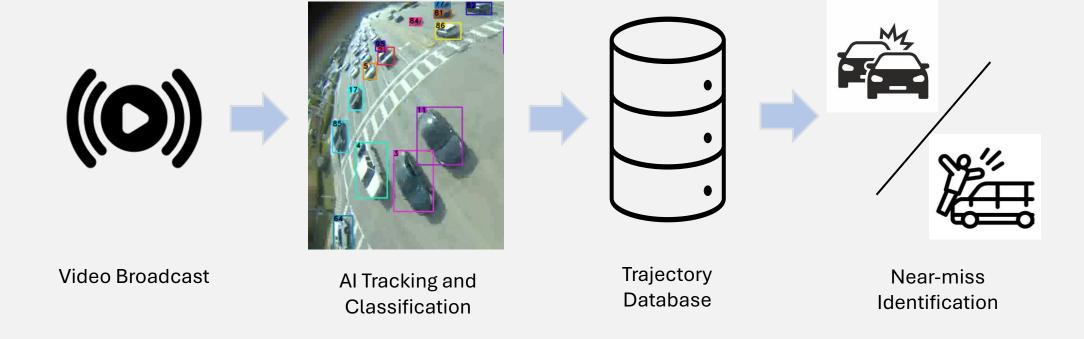
- Hardware Requirements for Supporting Video Analytics
- Video-based Analysis of Severe Events
 - Led to changes in the intersection signage
- Results on two signalized intersections
 - Stirling Rd. & 66th Ave.
 - Stirling Rd. & 68th Ave.

Show significant reductions in severe events



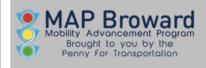
Video Processing









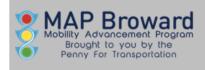


- Near-miss detection in complex, signalized intersections
 - Single-camera and dual camera
- Phase detection (turning lanes, egress/ingress, crosswalk)
- 8 streams supported on 1 GPU









Pedestrians often conflicted with through and left turning vehicles

- More P2V conflicts with permissive turns
- Suggested a sign for NBL and WBL turns.

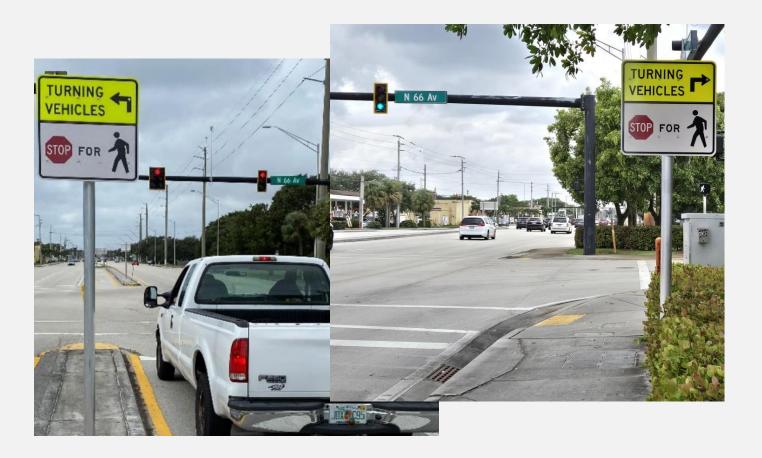


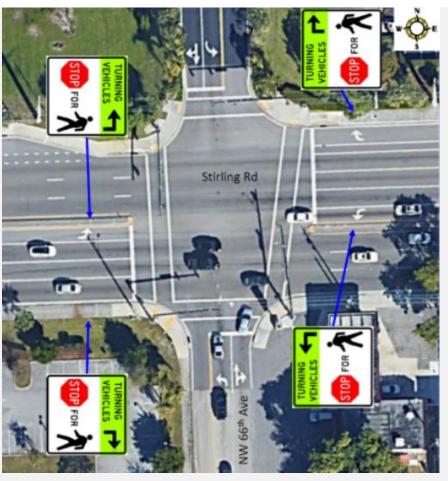




MAP Broward Mobility Advancement Program Brought to you by the Penny For Transportation

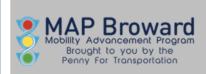
Stirling Rd. & 66th Ave. New Signage



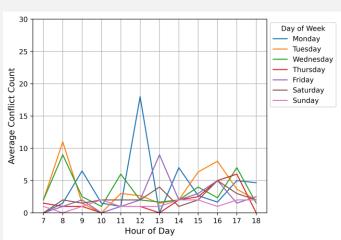


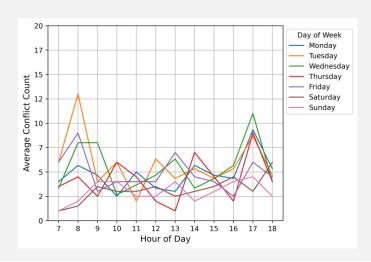




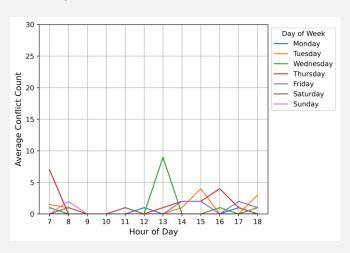


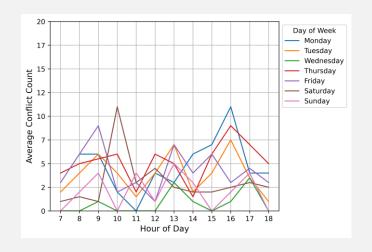
Before





After

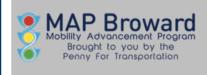




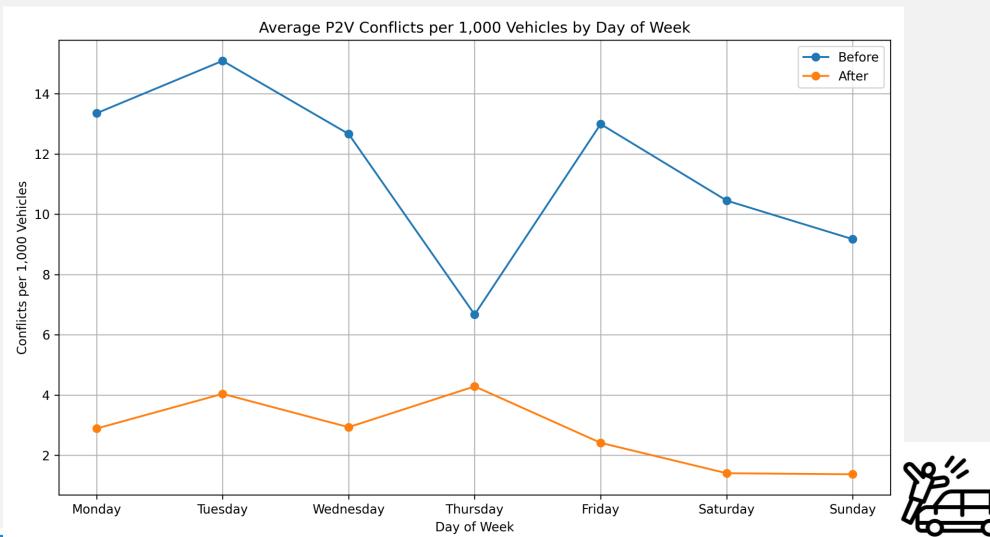


V2V



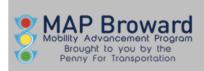


Stirling Rd. & 66th Normalized Conflicts





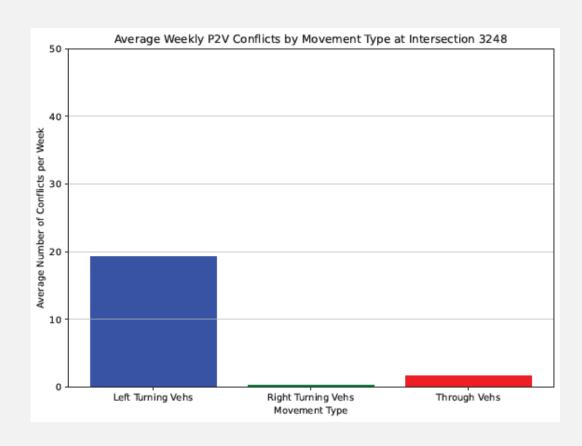




Before

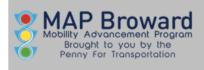
Average Weekly P2V Conflicts by Movement Type at Intersection 3248 50 Average Number of Conflicts per Week 10 Right Turning Vehs Through Vehs Left Turning Vehs Movement Type

After





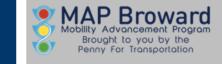




- Right turning vehicles often did not yield to pedestrians
- Pedestrian conflicted with left turning vehicles
- Pedestrians often crossed right in front of a through vehicle







Stirling Rd. & 68th Ave. New Signage

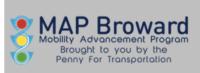




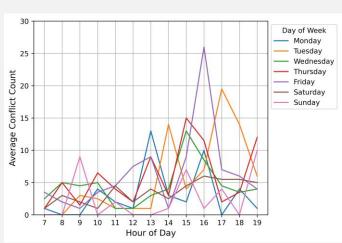
R10-15a Turning Vehicles Stop for Pedestrians sign EB and NB (right turns)

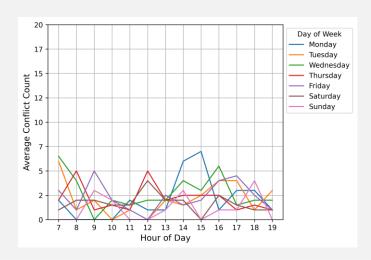


Near-miss Rates 68th

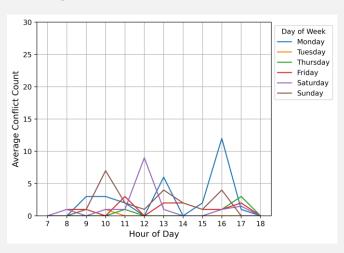


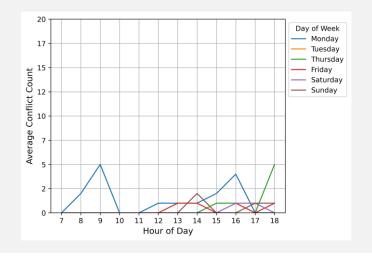
Before





After

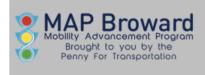




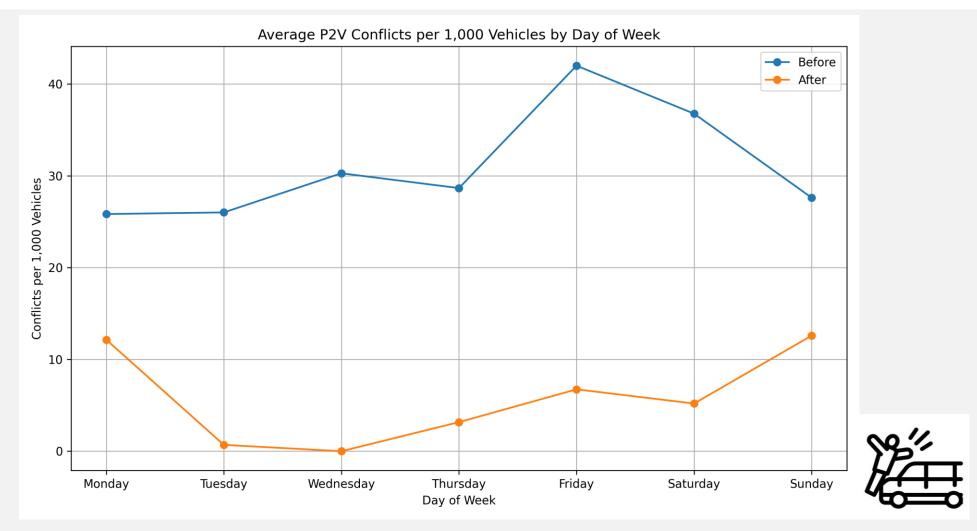


V2V





Stirling Rd. & 68th Normalized Conflicts

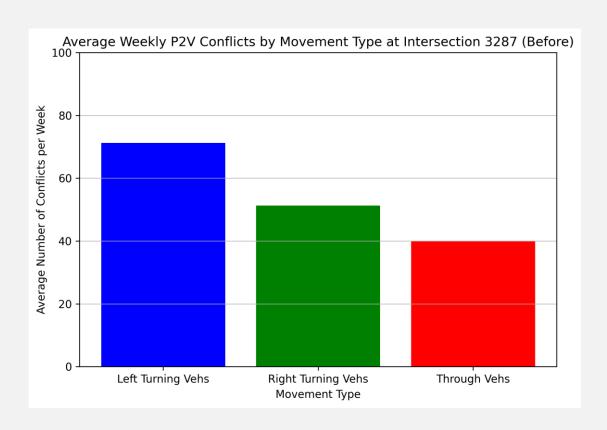




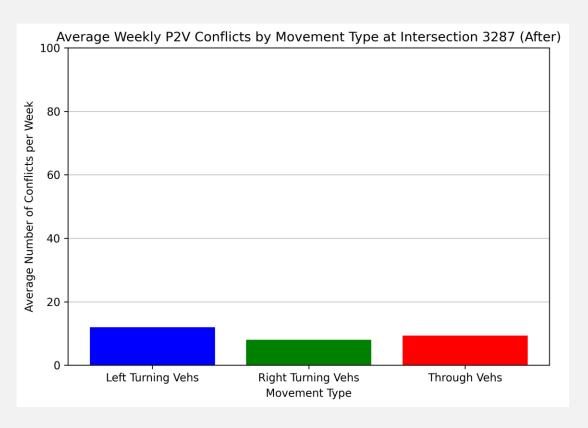




Before

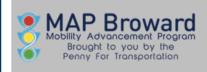


After







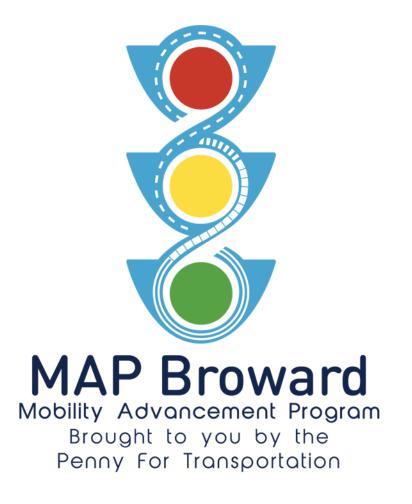


- Video analytics can quantify safety rates in signalized intersections
- Before-and-after study demonstrated that signage changes led to significant reductions in severe events, effectively improving pedestrian safety
- Cost of hardware for video processing can be amortized over multiple intersections



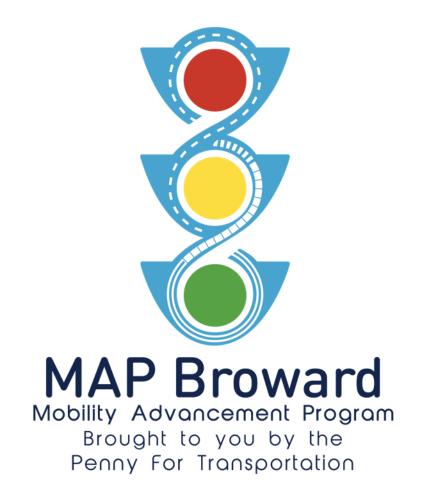


Major Surtax Funded
Projects in the
Port Everglades &
Fort Lauderdale-Hollywood
International Airport Region –
Coordination Update



Broward County Aviation Department FLL Intermodal Center (IMC) & Automated People Mover (APM) Updates

Mark Gale, Director of Aviation





Transportation Surtax Oversight Board Meeting February 28, 2025

Live, Learn, Work, and Play

Premium Mobility Program







GOALS



Improve Mobility for All



Enhance Economic
Development and Ensure
Financial Stability



Integrate and Serve Communities



Implement Equitable Transit Solutions



Improve Safety, Security, and Ensure Environmental Stewardship

What We Gain

- More than 200 miles of new premium service
- Approximately 23 million annual ridership
- 100% electrified bus fleet
- New Intelligent Transportation Systems (ITS) technology
- Localized aesthetic and architectural enhancements



Connecting Activity Centers

With direct connections to the airport, seaport, and convention center; Broward County will be one of the leading intermodal transit providers in the country.

Through PREMO we have a unique opportunity to connect Broward County's three major economic engines with fast, reliable and convenient transit service.









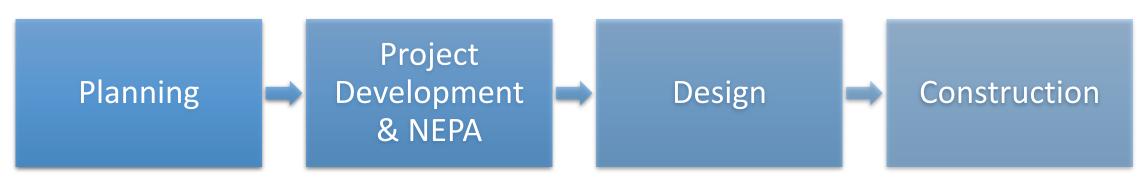
According to the American
Public Transportation
Association, investing in
public transportation can
create 49,700 jobs for one
billion dollars invested and
for every one dollar spent
yields a five to one
economic return.

- New construction and related jobs
- Catalyst for economic development
- A foundation for transitoriented development and affordable housing
- Expanded small business opportunities





Phases of Project Delivery



The LRT Projects



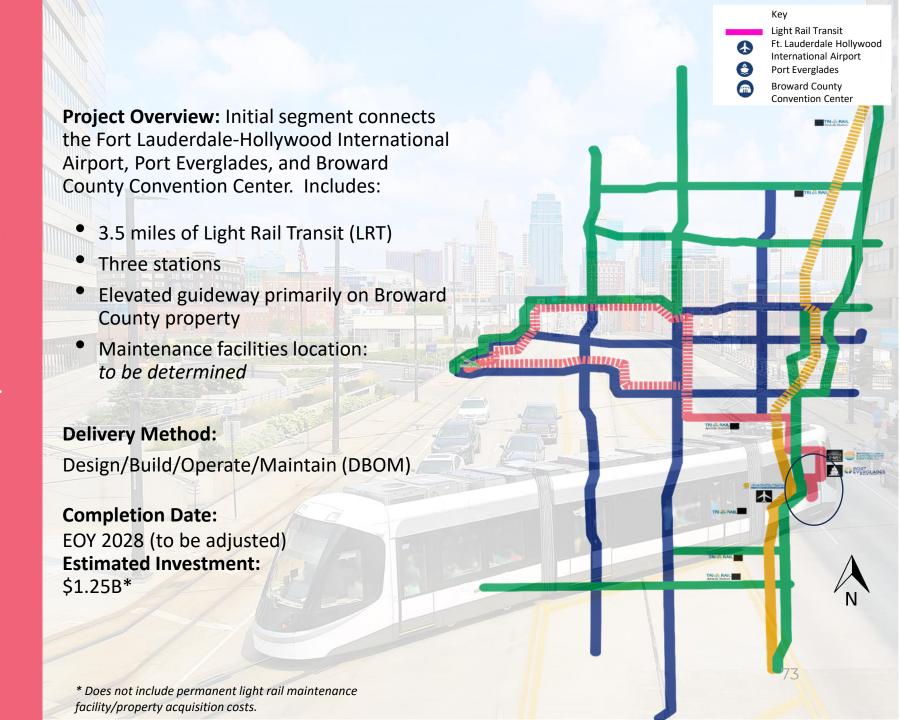
Existing and Approved PREMO Network

Mode	Miles
Commuter Rail South	11.5
Light Rail Transit (LRT)*	23.3
Bus Rapid Transit (BRT)	76
High Frequency Bus	100

^{*} Pending evaluation of alternative technologies before finalizing the recommendation.



Airport-Seaport-Convention Center (ASCC) LRT



ASCC Current Project Status



ASCC PD&E/NEPA Study

Project Development & Environmental (PD&E) study will include the following:

Public Involvement Program (PIP)

Will follow FTA NEPA process

Project Development & NEPA

- Alternative Analysis Identifying Recommended
 Alternative
- Adoption of Locally Preferred Alternative
- NEPA Compliance and Analysis
- Travel Demand Forecasting
- Preliminary Engineering Design
- Cost Estimates
- Grant Application Assuming New Starts

NEPA Class of Action

 Anticipated to be either Environmental Assessment (EA) or Environmental Impact Statement (EIS)







ASCC Project Scope

Project scope includes the following:

- Guideway and track work (anticipated to be primarily elevated)
- Contemplates construction of 3 stations
- Multimodal access to the stations
- Procurement of rolling stock
- Vehicle Storage and Maintenance Facility (VSMF)
- Right of Way (ROW) acquisition guideways and stations can be mostly accommodated by existing public ROW. ROW needs to be identified for the VSMF.

Downtown Connection LRT

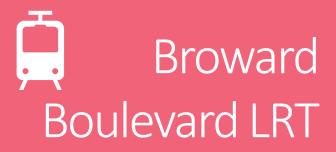
Project Overview: Segment connects the Fort Lauderdale-Hollywood International Airport, Port Everglades, the Broward County Convention Center along SE 17th Street and then north to Downtown Fort Lauderdale. Includes:

- 3 additional miles of Light Rail Transit (LRT)
- Tracks and stations at street level
- Consideration for future extensions along Broward boulevard, State Road 7 with eastwest connections along Sunrise or Commercial boulevards, after future performance and studies validate needs

Estimated Investment: \$442M*

* Does not include permanent light rail maintenance facility/property acquisition costs.





Project Overview: Segment connects
Downtown Fort Lauderdale to US
441/SR 7. Includes:

- 4 additional miles of Light Rail Transit (LRT)
- Consideration for extension eastwest to State Road 7 north with extensions along Sunrise or Commercial boulevards, after future performance and studies validate needs

Project Status:

 FDOT D4 is taking the lead on a PD&E Study for this project. Currently evaluating different lane and track/guideway configurations

Estimated Investment: \$930M*

* Does not include permanent light rail maintenance facility/property acquisition costs.



Proposed 15-Year Program Implementation Schedule

Corridor	Service	2023 2024 2025 2026 2027 2028 2030 2031 2035 2035 2036 2038 2038	Project Duration	Current Status	Target Revenue Service
Airport-Seaport-Convention Center	LRT		2023-2028	Conceptual Design	2028
Downtown Connection	LRT	OAKIAND PA	2023-2031	Planning	2031
Broward Blvd LRT	LRT		2023-2035	Conceptual Design	2035



LRT Capital Cost Summary

Corridor	Estimated Capital Investment* (\$Million)
Airport-Seaport- Convention Center	1,250
Downtown Connection	442
Broward Blvd LRT	930
Total	2,622

• Operations and maintenance costs

^{*} Does not include:

Summary

- This transformational effort will redefine service delivery, mobility and connectivity throughout Broward County.
- At the end, we will have:
 - More than 200 miles of new premium service (Commuter Rail, Bus Rapid Transit, Light Rail, and High Frequency Bus)
 - Connections between the major County Activity Centers and Communities
 - Enhanced Economic Development Potential



Broward County Connects

Live. Learn. Work. Play.

THANK YOU!

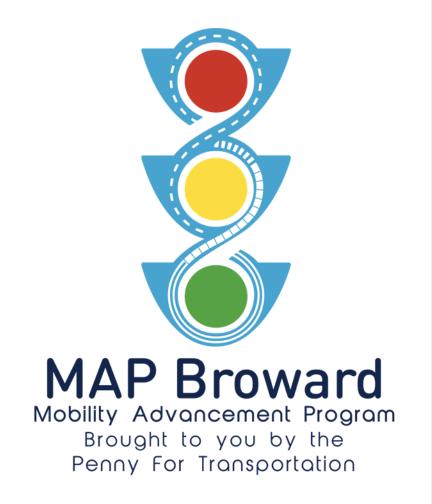




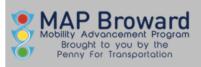


Port By-Pass Road, Port-Airport Connector Updates

Richard Tornese, Director
Highway Construction & Engineering

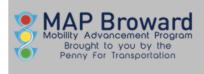


Port By-Pass Road Video





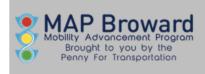




Discussion & Q&A



Non-Agenda

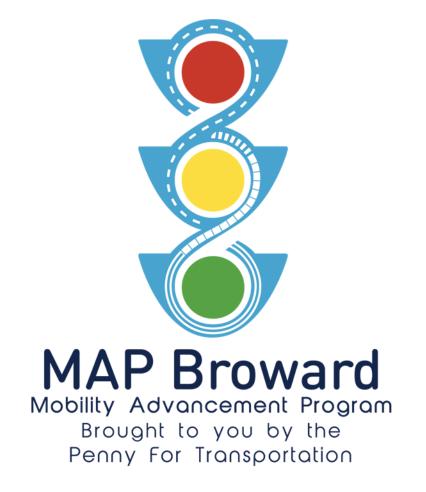


Reports

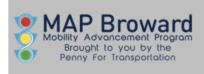
- Chair
- Oversight Board Members
- Surtax General Counsel
- Oversight Board Coordinator



Discussion Item



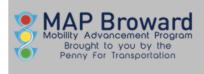
Non-Agenda



Reports

- Chair
- Oversight Board Members
- Surtax General Counsel
- Oversight Board Coordinator





Adjourn February 28, 2025 Oversight Board Regular Meeting

