

# Broward County Connects

Live, Learn, Work, and Play

Premium Mobility Plan





# Agenda

- Introduction/Background
- The Plan Overview
- Implementation Plan
- Program Risks
- Summary/Next Steps







# Strategy

*To invest in a countywide network of premium transit services that provide modern convenient mobility that is attractive, safe, reliable, and frequent.*



# GOALS



**Improve Mobility for All**



**Implement Equitable  
Transit Solutions**



**Integrate and Serve  
Communities**



**Enhance Economic  
Development and Ensure  
Financial Stability**



**Improve Safety, Security, and  
Ensure Environmental  
Stewardship**



# What we gain?

- Over 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 transit oriented development and affordable housing
- Expanded small business opportunities





# Methodology



## Analytical Tools

- ISOCHRON



## Data Modeling

- FTA Approved STOPS Model



## National Cost Analysis

- National Transit Database/APTA



## Community Involvement

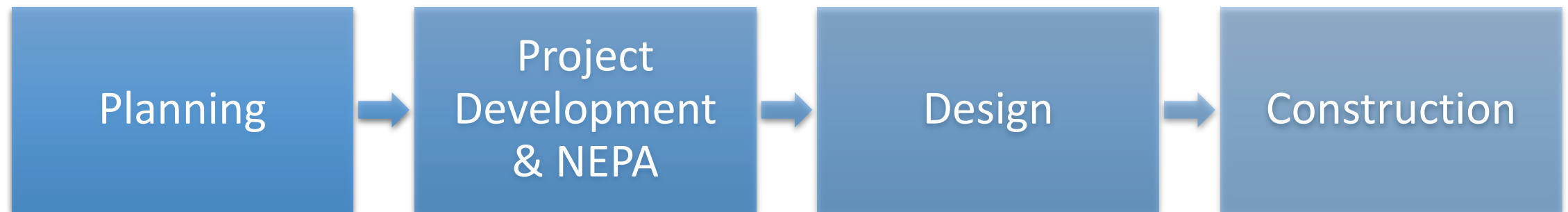
- Meetings & Community Events











## Phases of Project Delivery





# Premium Transit Service Characteristics

| Services                        | Branded Service with Traffic Signal Priority (TSP) | Transit Guideway | Frequency of Service (min) | Potential Capacity per Trip   | Capital Cost Estimates | O&M* Cost Estimates |
|---------------------------------|--|------------------|----------------------------|---|------------------------|---------------------|
| <b>Commuter Rail</b>            | Yes  | Dedicated        | 30                         |    | \$\$\$                 | \$\$\$              |
| <b>Light Rail Transit (LRT)</b> | Yes  | Shared/Dedicated | 5-10                       |    | \$\$\$\$               | \$\$\$\$            |
| <b>Bus Rapid Transit (BRT)</b>  | Yes  | Shared/Dedicated | 10-15                      |    | \$\$                   | \$\$                |
| <b>High Frequency</b>           | Yes  | Shared           | 15**                       |  | \$                     | \$                  |

\*Operations and Maintenance

\*\*Minimum Headway in Peak Service Only





# The Plan

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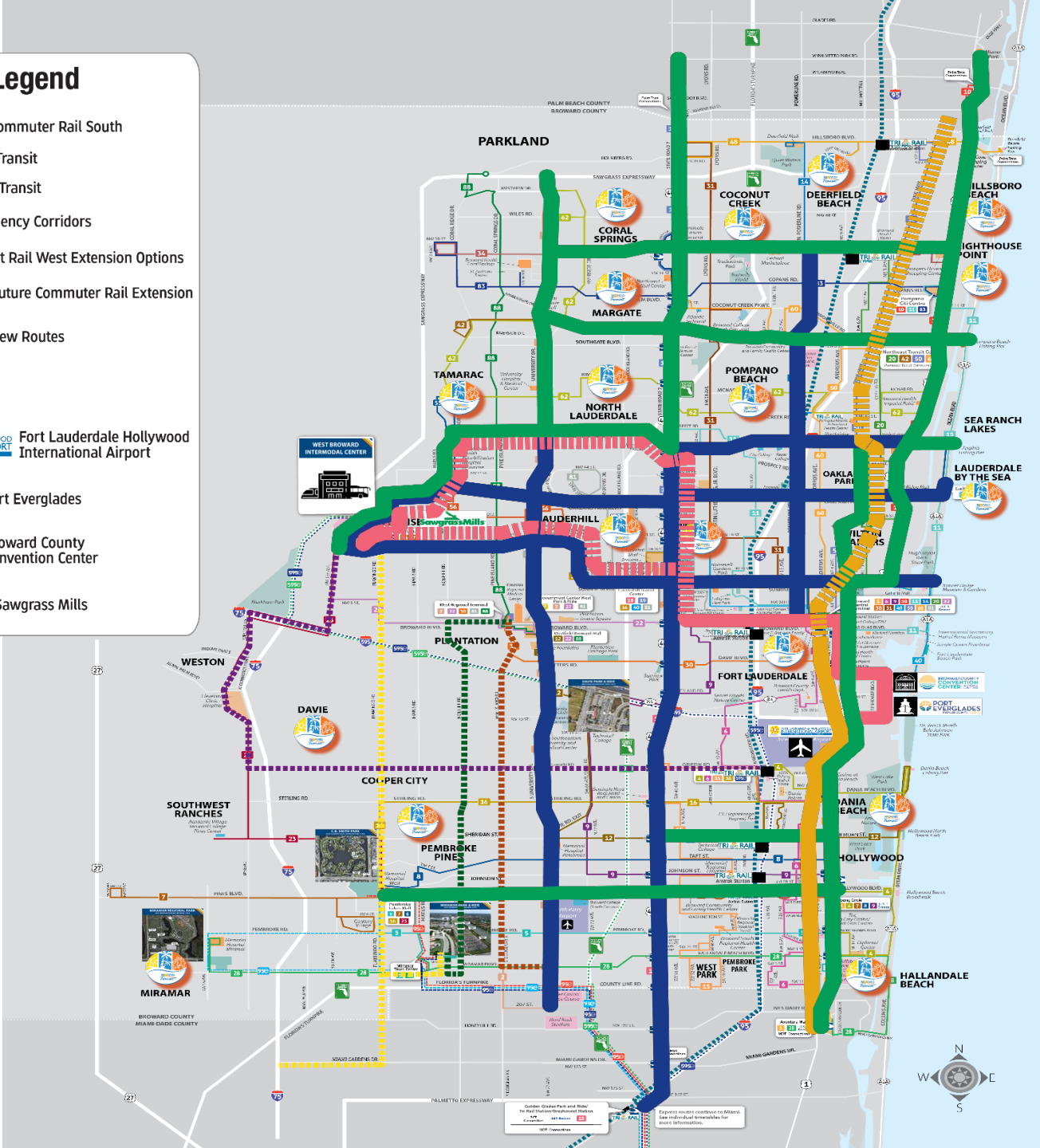


# Existing and Recommended Network

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

### Map Legend

-  Broward Commuter Rail South
-  Light Rail Transit
-  Bus Rapid Transit
-  High Frequency Corridors
-  Future Light Rail West Extension Options
-  Proposed Future Commuter Rail Extension
-  Proposed New Routes
-  Tri-Rail
-  Fort Lauderdale Hollywood International Airport
-  Port Everglades
-  Broward County Convention Center
-  Sawgrass Mills














Golden Glades Park and Ride  
 Express routes continue to Miramar  
 See individual line maps for more information.

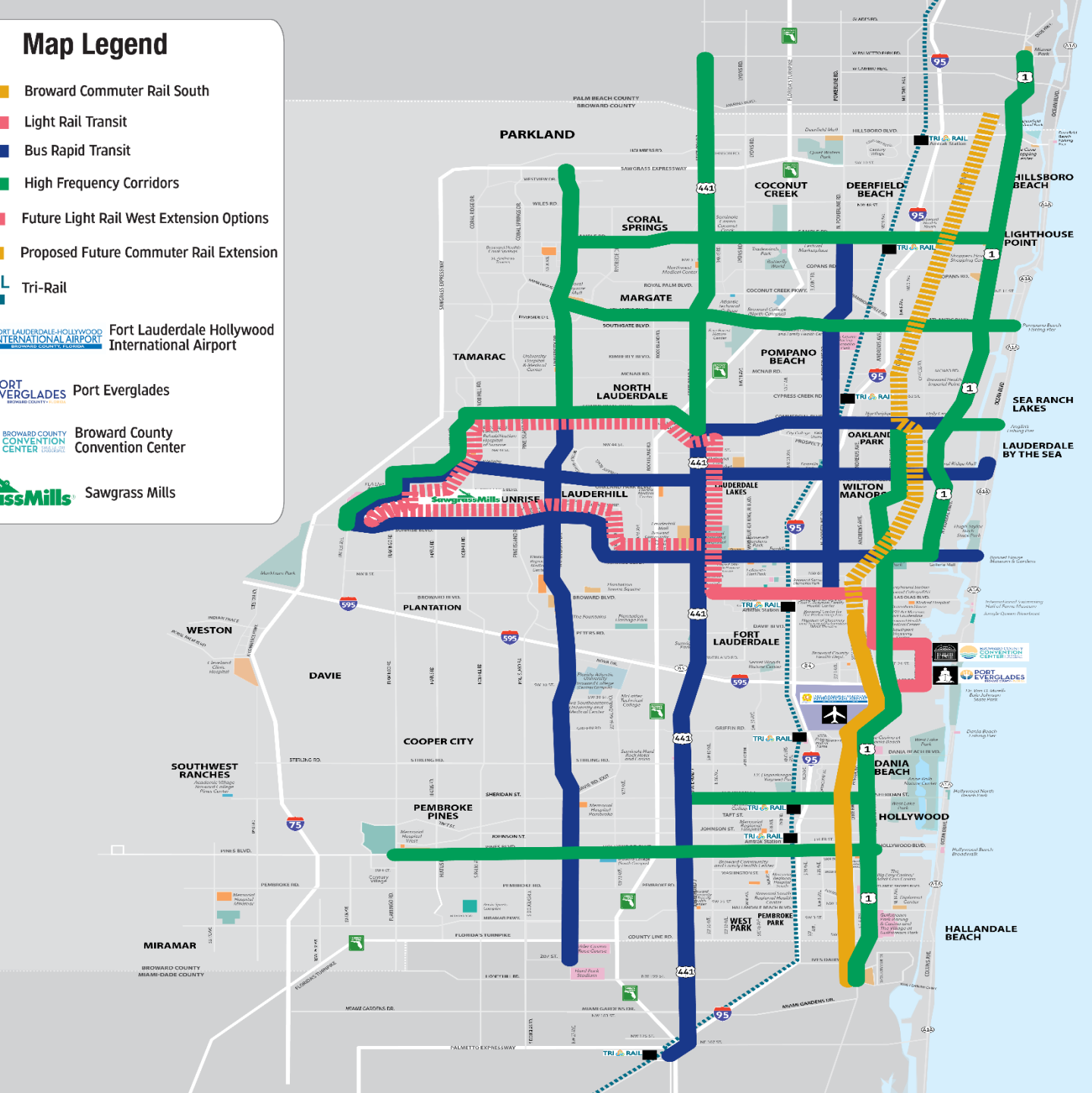


# Recommended Network

| Mode                     | Miles |
|--------------------------|-------|
| Commuter Rail South      | 11.5  |
| Light Rail Transit (LRT) | 23.3  |
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-  Broward Commuter Rail South
-  Light Rail Transit
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-  Port Everglades
-  Broward County Convention Center
-  Sawgrass Mills





# Broward Commuter Rail South

**Project Overview:** Provides a regional connection between Broward and Miami-Dade Counties. Includes:

- 11.5 miles of commuter rail on the Florida East Coast (FEC) Railway corridor
- Three stations in Hollywood, Fort Lauderdale-Hollywood International Airport and Fort Lauderdale.

**Anticipated Annual Ridership:** 1.2M and up to 4.8M including Miami-Dade

**Projected Opening:** EOY 2027

**Estimated Investment:** \$297M\*

\* Does not include PD&E and there are unknown commercial fees for track access.



Source: FDOT PD&E Study for the BCR-South Project



# Airport- Seaport-Conv. Center LRT

**Project Overview:** Initial segment connects the Fort Lauderdale-Hollywood International Airport, Port Everglades, and the Broward County Convention Center. Includes:

- 3.5 miles of Light Rail Transit (LRT)
- Three stations
- Elevated guideway primarily on Broward County property
- Maintenance facilities location to be determined
- Consideration for future extensions along Broward Boulevard, State Road 7 with east-west connections along Sunrise or Commercial Boulevards, after future performance and studies validate needs

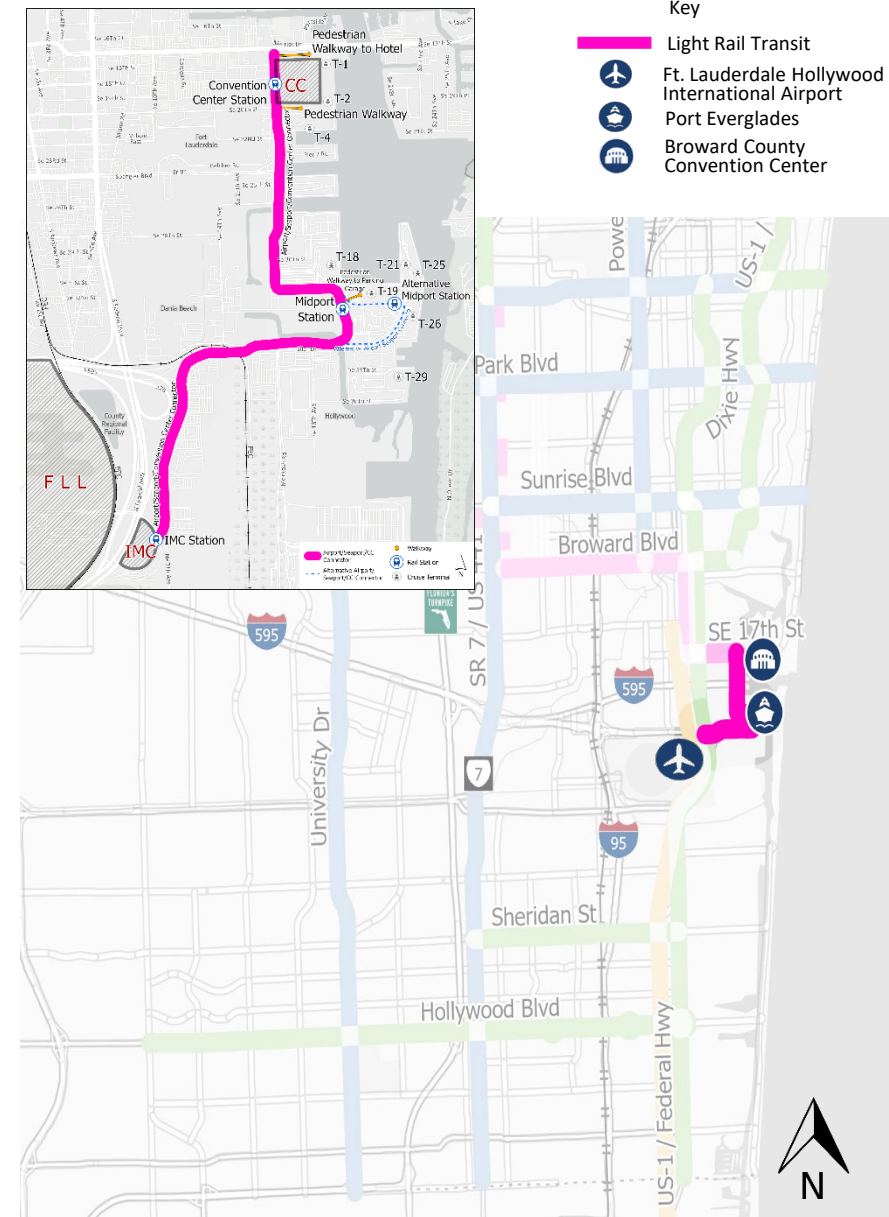
**Anticipated Annual Ridership:**

130K - 665K

**Projected Opening:** EOY 2028

**Estimated Investment:** \$1.25B\*

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



# Downtown Connection LRT

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

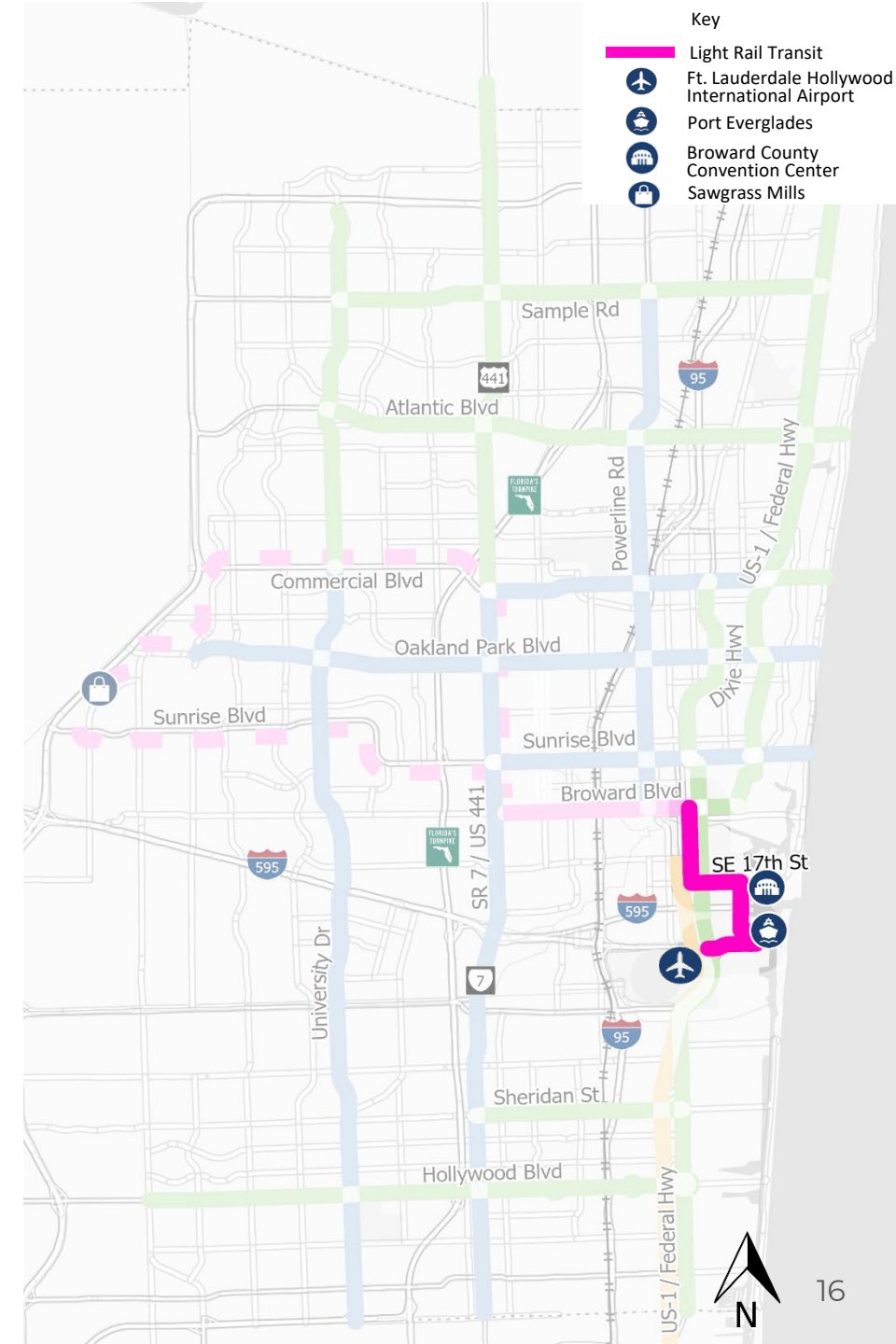
- 3 additional miles of Light Rail Transit (LRT)
- Tracks and stations at street level
- Consideration for future extensions along Broward Boulevard, State Road 7 with east-west connections along Sunrise or Commercial Boulevards, after future performance and studies validate needs

**Anticipated Annual Ridership:**  
1.7M - 2.7M

**Projected Opening:** EOY 2031

**Estimated Investment:** \$442M\*

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





# Broward Boulevard LRT

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

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

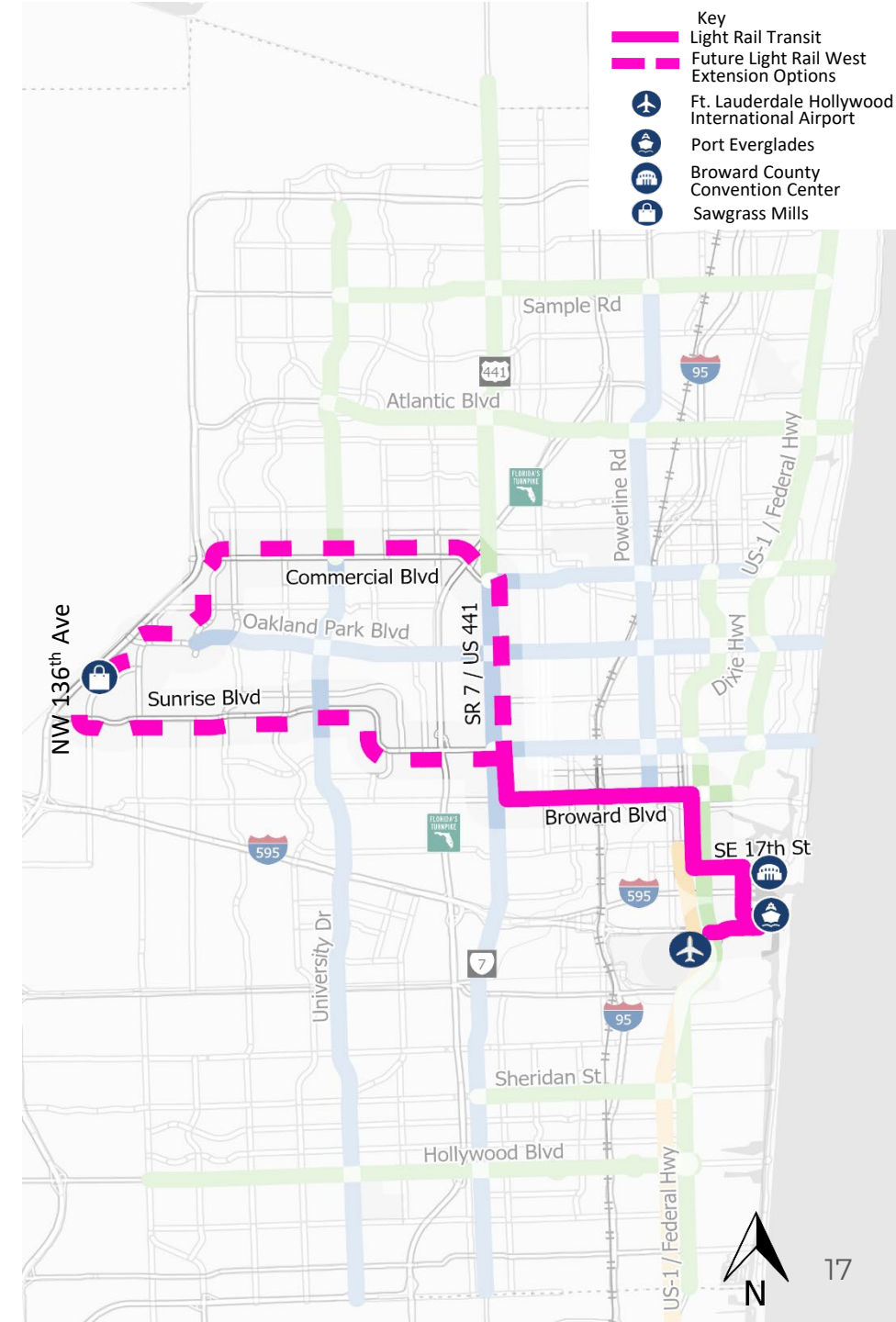
**Anticipated Annual Ridership:**

1.5M -3.3M without west extension

**Projected Opening:** EOY 2035

**Estimated Investment:** \$930M\*

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



# Oakland Park Blvd BRT

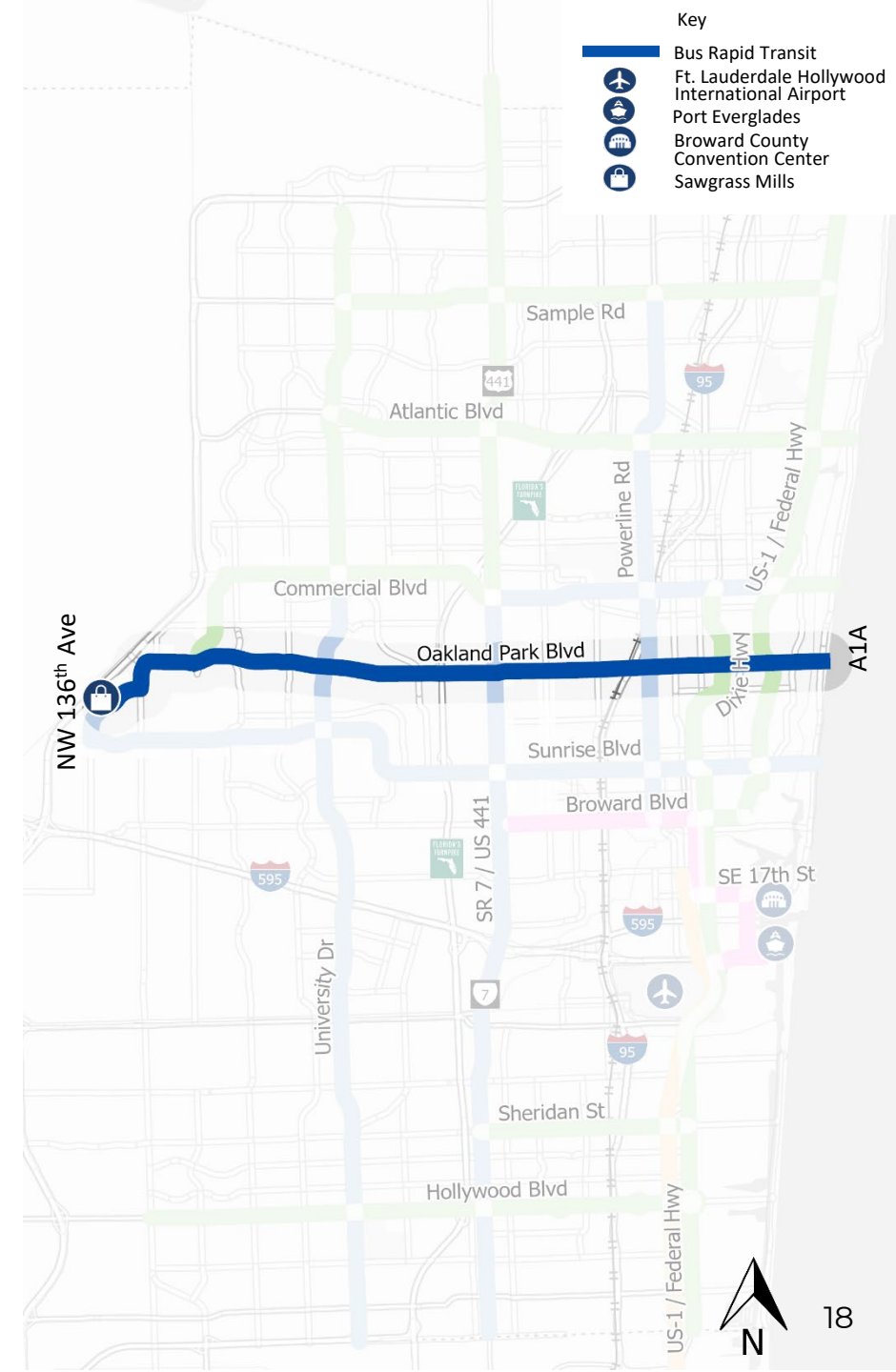
**Project Overview:** Connects activity centers between A1A and Sawgrass Mills Mall. Includes:

- 15 miles of Bus Rapid Transit (BRT) along Oakland Park Boulevard
- Approximately 16 branded stations
- Exclusive transit lanes where feasible
- Supplemental fixed route local service

**Anticipated Annual Ridership:**  
2.4M - 3.2M

**Projected Opening:** EOY 2028

**Estimated Investment:** \$226M





# US441/SR 7 BRT

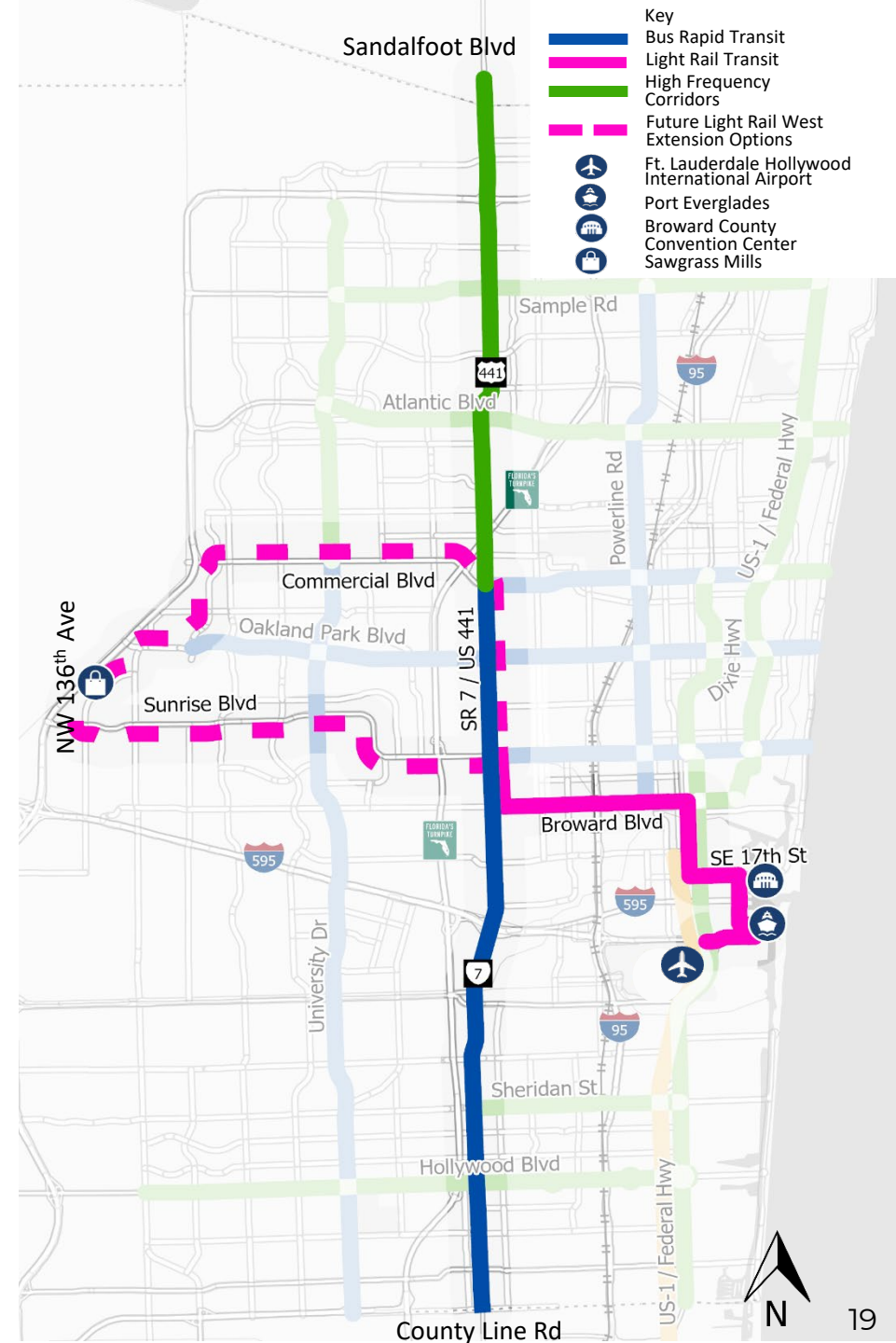
**Project Overview:** Connects activity centers between Commercial Boulevard and County Line Road. Includes:

- 15 miles of Bus Rapid Transit (BRT) along US441/SR 7 from Commercial Boulevard to County Line Road
- Supplemental High Frequency service from Sample Road to Commercial Boulevard
- Approximately 16 branded stations
- Exclusive transit lanes where feasible
- Potential Light Rail connections

**Anticipated Annual Ridership:**  
1.6M - 3M

**Projected Opening:** EOY 2030

**Estimated Investment:** \$221M



# Powerline Road BRT

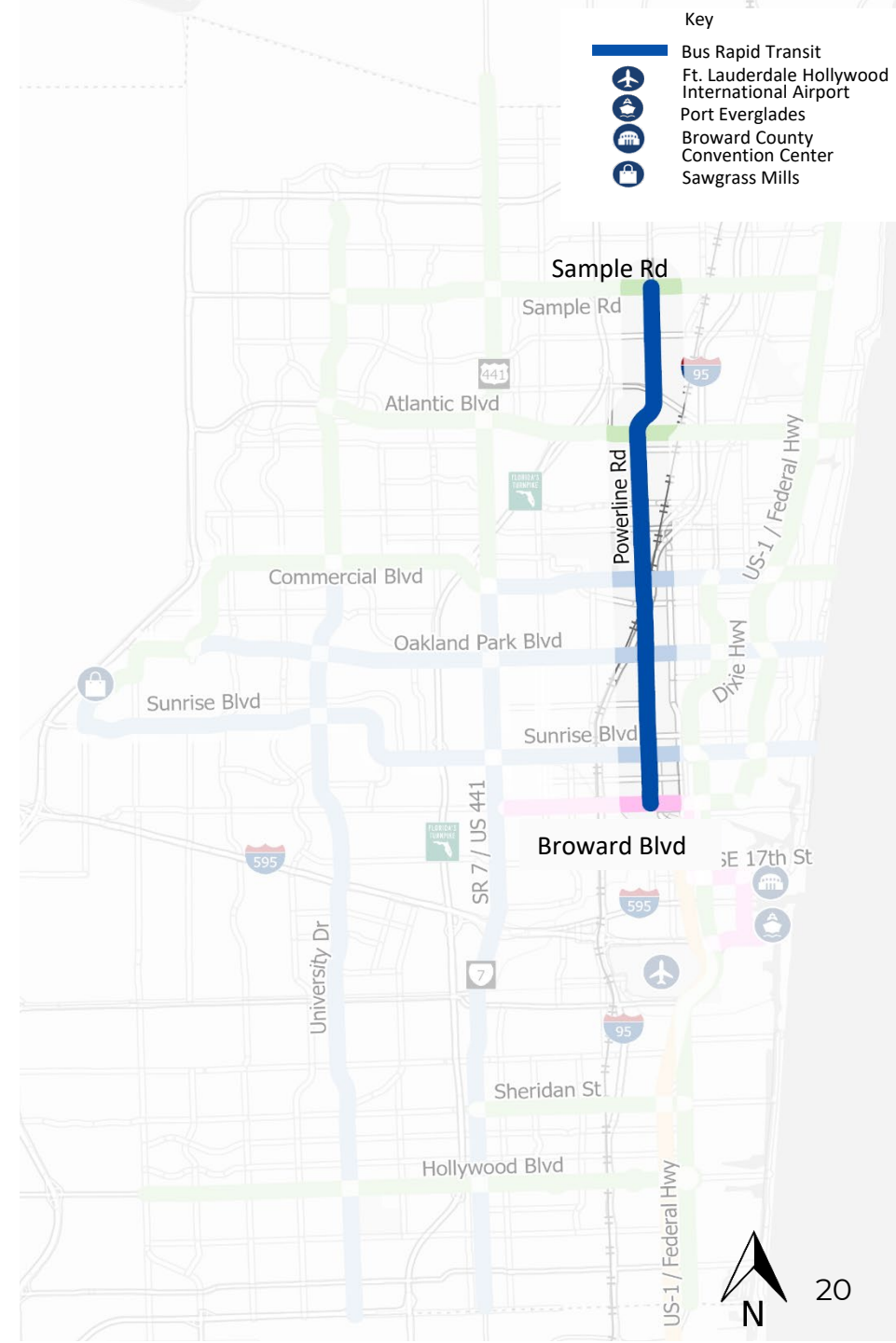
**Project Overview:** Connects activity centers between Broward Boulevard and Sample Road. Includes:

- 10.5 miles of Bus Rapid Transit (BRT) along Powerline Road
- Approximately 10 branded stations
- Exclusive transit lanes where feasible
- Supplemental fixed route local service

**Anticipated Annual Ridership:**  
1.4M - 2.5M

**Projected Opening:** Early 2033

**Estimated Investment:** \$198M





# University Drive BRT

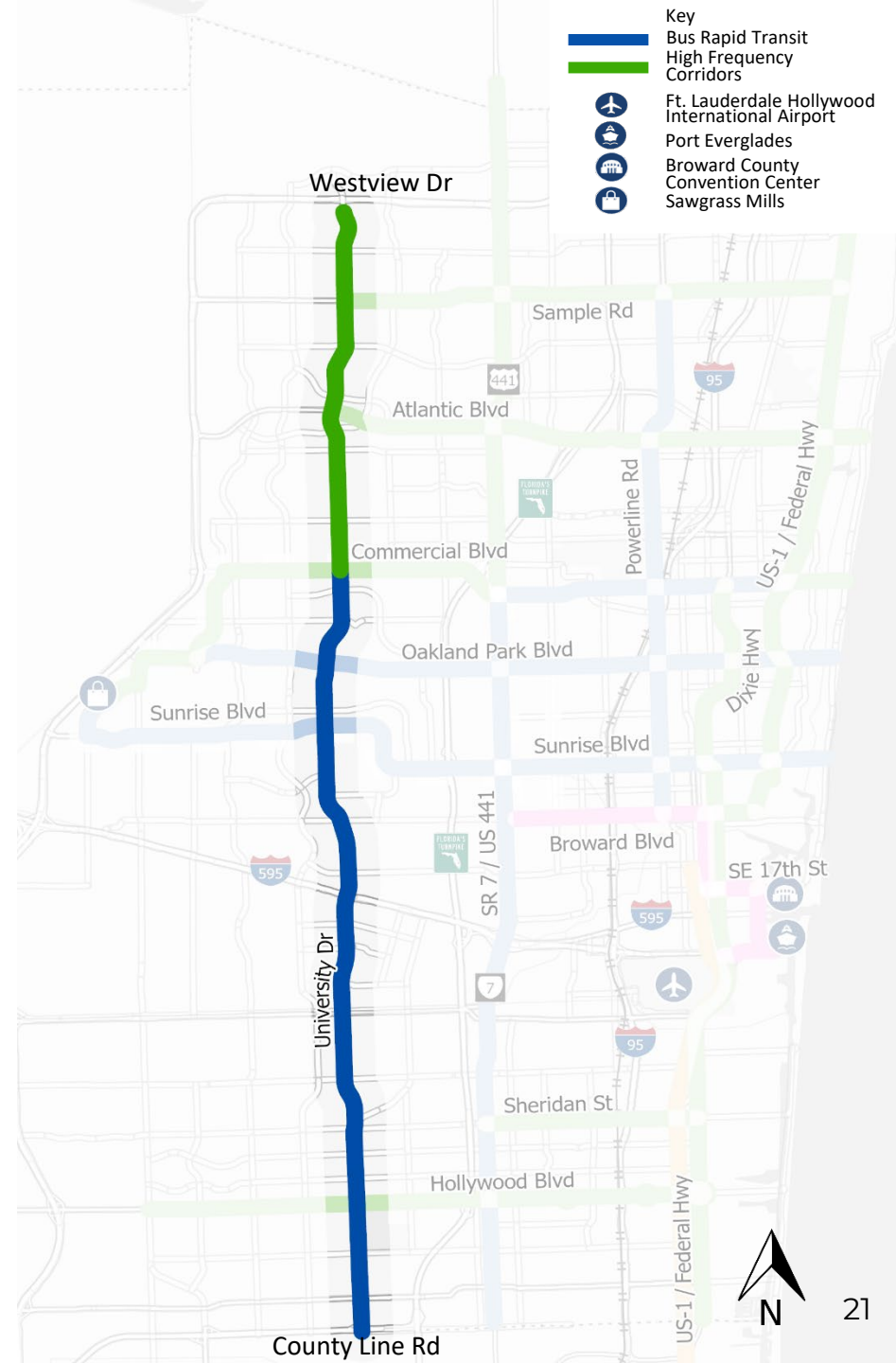
**Project Overview:** Transit improvements between Sample Road and County Line Road. Includes:

- 16 miles of Bus Rapid Transit (BRT) along University Drive from Commercial Boulevard to County Line Road
- Supplemental High Frequency service from Sample Road to Commercial Boulevard
- Approximately 16 branded stations
- Exclusive transit lanes where feasible

**Anticipated Annual Ridership:**  
2M - 3M

**Projected Opening:** Mid 2035

**Estimated Investment:** \$334M



# Commercial Boulevard BRT

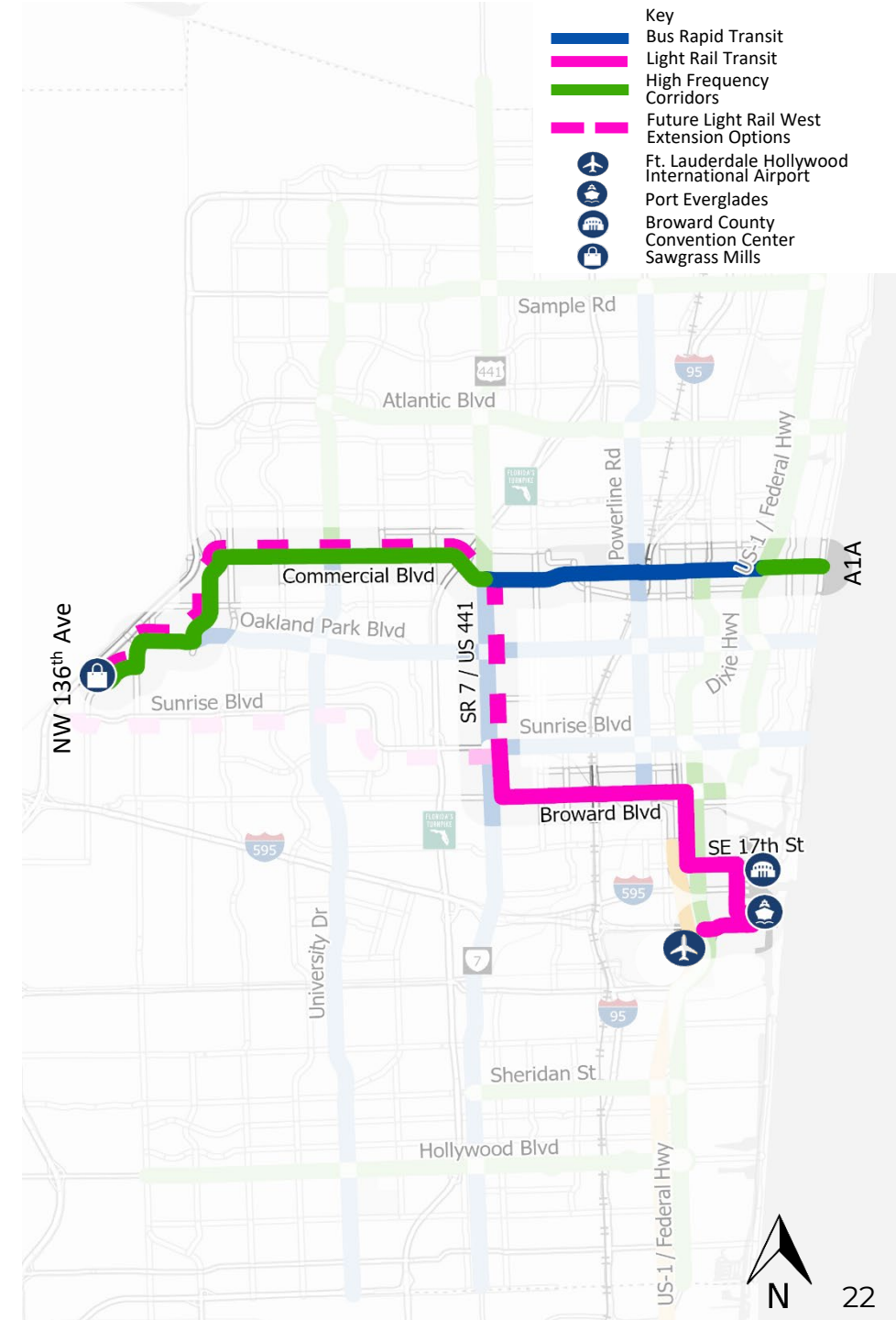
**Project Overview:** Connects activity centers between A1A and Sawgrass Mills Mall. Includes:

- 5.5 miles of Bus Rapid Transit (BRT) along Commercial Boulevard from US 1 to US441/SR 7
- Supplemental High Frequency service from US441/SR7 to Sawgrass Mills Mall
- Approximately 10 branded stations
- Exclusive transit lanes where feasible
- Potential Light Rail Extension

**Anticipated Annual Ridership:**  
600K - 900K

**Projected Opening:** EOY 2036

**Estimated Investment:** \$113M





# Sunrise Boulevard BRT

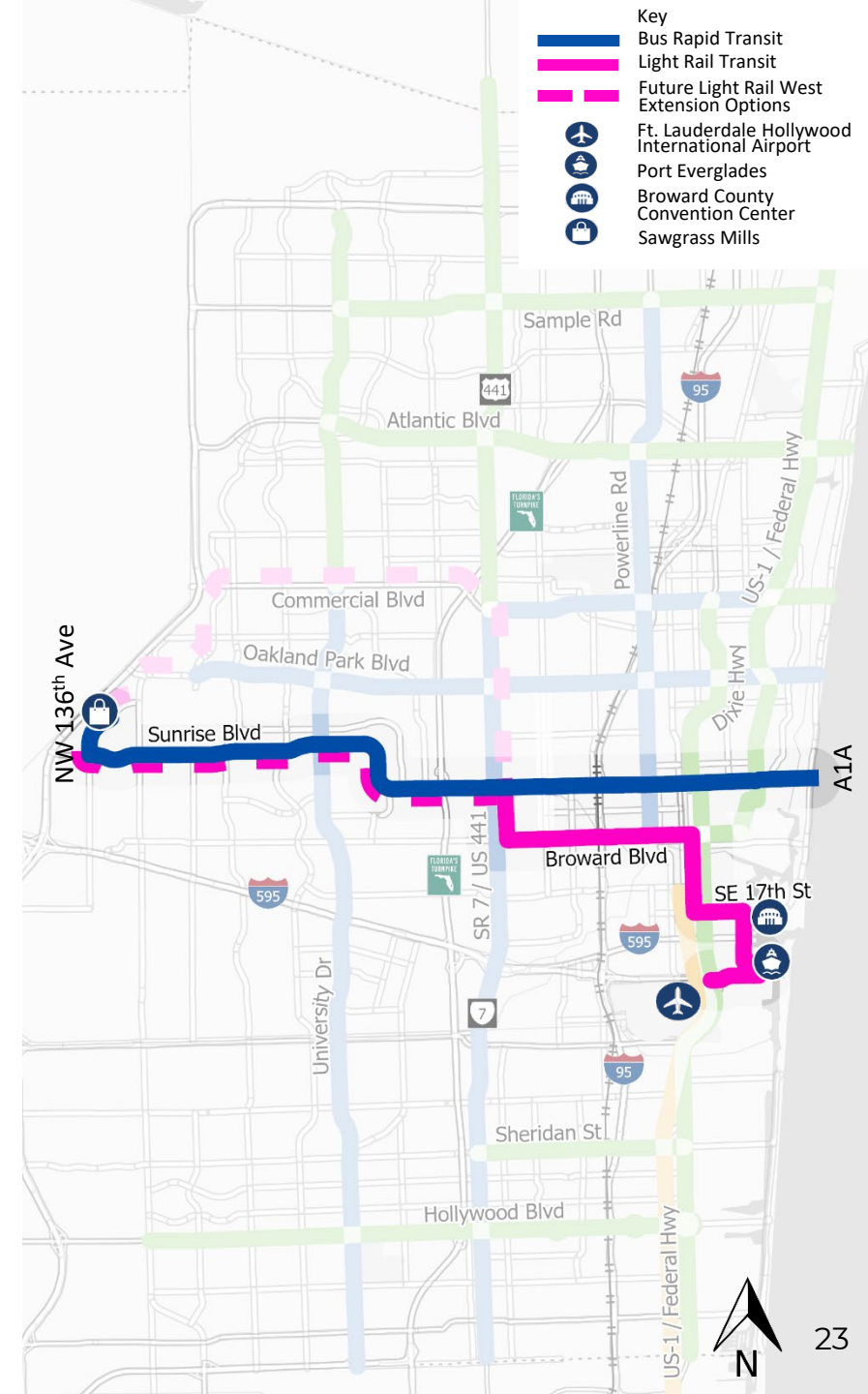
**Project Overview:** Transit improvements between activity centers from A1A to Sawgrass Mills Mall. Includes:

- 14 miles of Bus Rapid Transit (BRT) along Sunrise Boulevard between US 1 and Sawgrass Mills Mall
- Approximately 12 branded stations
- Exclusive transit lanes where feasible
- Potential Light Rail Extension

**Anticipated Annual Ridership:**  
1.7M - 2.6M

**Projected Opening:** EOY 2038

**Estimated Investment:** \$240M





# Implementation

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# Five-Year Look Ahead

2023

PREMO Study  
Complete

2024

## Pre-Launch Activities

- Service integration
- Bus procurement
- NEPA/PD&E
- Design development
- Workforce readiness

2025

2026

High Frequency  
Corridors  
Launched

2027

Commuter Rail  
Opens

2028

BRT and LRT  
Open

# Proposed 15 Year Program Implementation Schedule

| Corridor                          | Service       | Schedule        |      |      |                 |      |                 |      |                 |      |      |      |      |      |      |      |      |      |      | Project Duration | Current Status     | Target Revenue Service |           |                   |      |
|-----------------------------------|---------------|-----------------|------|------|-----------------|------|-----------------|------|-----------------|------|------|------|------|------|------|------|------|------|------|------------------|--------------------|------------------------|-----------|-------------------|------|
|                                   |               | 2023            | 2024 | 2025 | 2026            | 2027 | 2028            | 2029 | 2030            | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 |                  |                    |                        |           |                   |      |
| Broward Commuter Rail South       | Commuter Rail | [Orange bar]    |      |      |                 |      |                 |      |                 |      |      |      |      |      |      |      |      |      |      | 2023-2027        | Conceptual Design  | 2027                   |           |                   |      |
| Oakland Park Blvd.                | BRT           | [Dark Blue bar] |      |      |                 |      |                 |      |                 |      |      |      |      |      |      |      |      |      |      | 2023-2028        | Conceptual Design* | 2028                   |           |                   |      |
| Airport-Seaport-Convention Center | LRT           | [Pink bar]      |      |      |                 |      |                 |      |                 |      |      |      |      |      |      |      |      |      |      | 2023-2028        | Conceptual Design  | 2028                   |           |                   |      |
| Downtown Connection               | LRT           | [Pink bar]      |      |      |                 |      |                 |      |                 |      |      |      |      |      |      |      |      |      |      | 2023-2031        | Planning           | 2031                   |           |                   |      |
| Broward Blvd LRT                  | LRT           | [Pink bar]      |      |      |                 |      |                 |      |                 |      |      |      |      |      |      |      |      |      |      |                  |                    |                        | 2023-2035 | Conceptual Design | 2035 |
| US 441 / SR 7                     | BRT           | [Dark Blue bar] |      |      |                 |      |                 |      |                 |      |      |      |      |      |      |      |      |      |      | 2024-2030        | Planning           | 2030                   |           |                   |      |
| Powerline Rd.                     | BRT           |                 |      |      | [Dark Blue bar] |      |                 |      |                 |      |      |      |      |      |      |      |      |      |      |                  | 2026-2033          | Planning               | 2033      |                   |      |
| University Dr.                    | BRT           |                 |      |      | [Dark Blue bar] |      |                 |      |                 |      |      |      |      |      |      |      |      |      |      |                  |                    | 2027-2035              | Planning  | 2035              |      |
| Commercial Blvd.                  | BRT           |                 |      |      |                 |      | [Dark Blue bar] |      |                 |      |      |      |      |      |      |      |      |      |      |                  |                    | 2028-2036              | Planning  | 2036              |      |
| Sunrise Blvd.                     | BRT           |                 |      |      |                 |      |                 |      | [Dark Blue bar] |      |      |      |      |      |      |      |      |      |      |                  |                    | 2030-2038              | Planning  | 2038              |      |

\*Pending Notice to Proceed



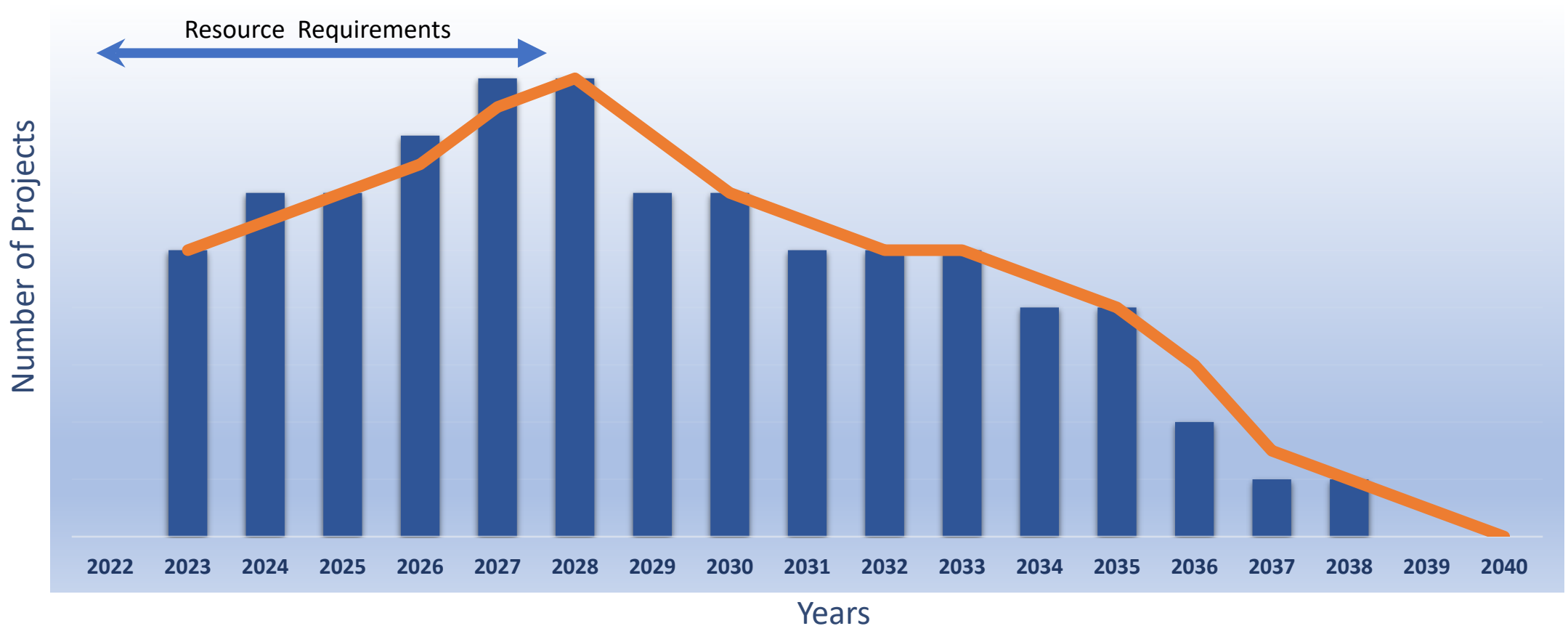
# High Frequency Service\*

| Corridor                  | Implementation |
|---------------------------|----------------|
| Sample Road               | 2026           |
| Hollywood Boulevard       | 2026           |
| US1/Federal Highway South | 2027           |
| US1/Federal Highway North | 2027           |
| Atlantic Boulevard        | 2028           |
| Sheridan Street           | 2028           |
| Dixie Highway             | 2029           |

\*May not apply to the entire corridor. Actual limits to be determined through future analysis.

# Projects Per Year

*During 2027 and 2028, eight ongoing projects will be in various stages of design, construction, testing and commissioning.*





# How do we get there?

1

Fully Leverage  
Internal and  
External  
Resources

2

Pursue Alternative  
Delivery Strategies

3

Generate Fast  
Tracked  
Procurements

4

Seek and Secure  
Alternative  
Funding Sources

5

Continuous  
Improvement



# Program Risks

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# Program Risks

- Market Pricing Volatility
- Schedule Uncertainty
  - Material and Equipment Availability
  - Consensus Building
  - Federal and State Reviews
- Project Delivery Adoption
- Major Third-Party Agreements (Commercial Terms)
- Regulatory Risk
  - Environmental Reviews
  - Funding Requirements
- Property Availability and Acquisition
- Workforce Readiness and Agency Organizational Maturity
- Public Expectations





Summary  
Next Steps

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# Summary

- This transformational effort will redefine service delivery, mobility and connectivity throughout Broward County
- At the end, we will have:
  - Over 200 miles of new premium service (Commuter Rail, Light Rail, Bus Rapid Transit and High Frequency)
  - Connections between the Major County Activity Centers and Communities
  - Enhanced Economic Development Potential
- We need your help, support and guidance



# Capital Cost Summary

| Mode                | Estimated Capital Investment*<br>(\$Million) |
|---------------------|--|
| Commuter Rail South | 297  |
| Light Rail Transit  | 2,620  |
| Bus Rapid Transit   | 1,332  |
| High Frequency      | 125  |
| Total               | 4,374  |

\* Does not include:

- Unknown commercial fees for track access
- Light Rail west extension or permanent maintenance facility/property acquisition costs
- Operations and maintenance costs





## Proposed Schedule

|   |                          |
|---|--------------------------|
| County Commission<br>Feedback and Support | April 17 -26, 2023       |
| Transportation Surtax<br>Oversight Review | April 27, 2023           |
| Pre-Adoption Public<br>Outreach           | April 28 – June 12, 2023 |
| Commission Workshop                       | May 23, 2023             |
| County Board Adoption                     | June 13, 2023            |





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Premium Mobility Plan

