

District Six: Freight Village Countywide Analysis Study

Miami River Commission

May 5, 2025

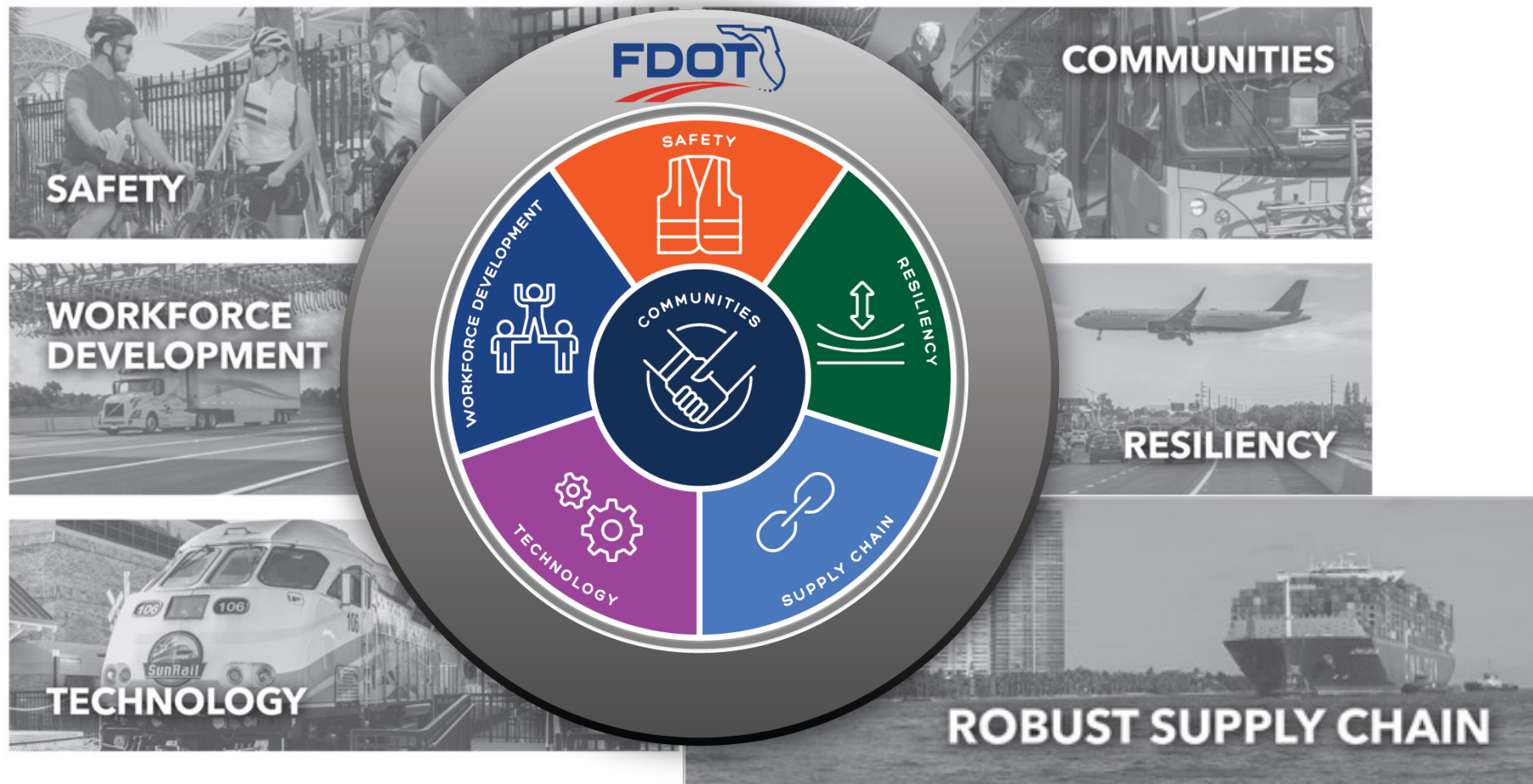
FPID: 437947-1



FDOT Compass



This plan aims to improve Florida's global supply chain and economic competitiveness by identifying key transportation enhancements to maximize efficiency.



Today's Objectives



- Brief the **Miami River Commission (MRC)**
- Gather **Your** Input



Study Overview



- Key activities include:
 - Freight and logistics network overview
 - Assessment of multimodal freight mobility needs
 - Identification and prioritization of improvements
 - Programming and assessment of financial feasibility
 - GIS database and freight dashboard

Freight Stakeholders Involved



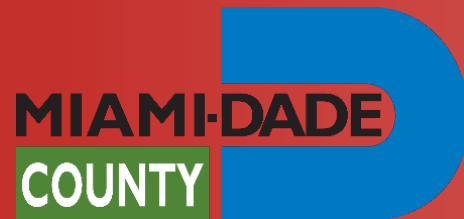
State Level



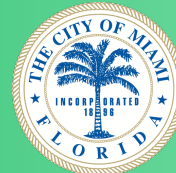
Florida Department of
Agriculture and
Consumer Services



County Level



Local Level



Industry Level



Goals and Objectives



Goal

Improve Florida's standing as a hub for trade, logistics, and international trade activities.

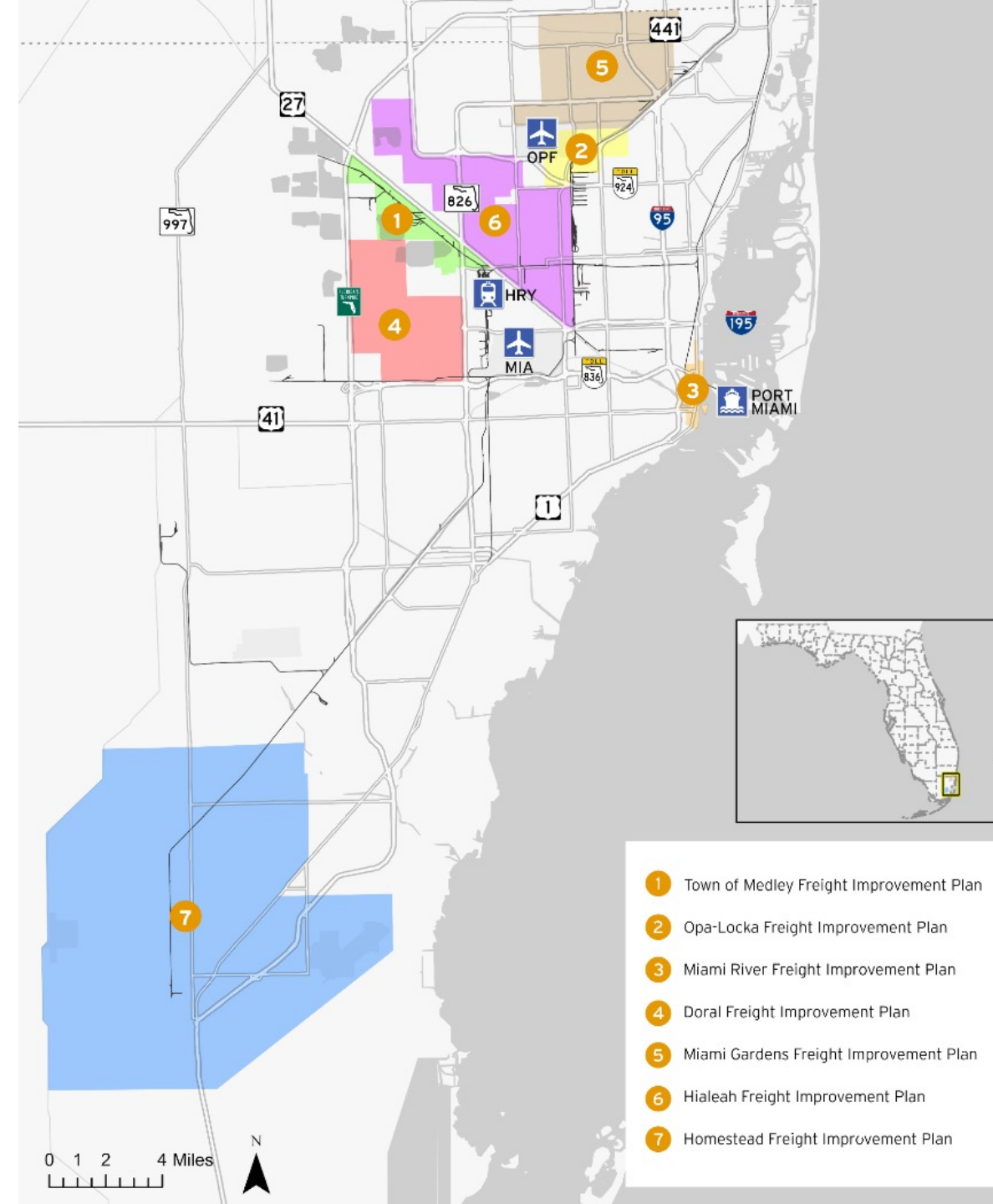
Primary Objective

Develop a bank of freight infrastructure projects that meet existing and future needs, enabling key projects to be considered for inclusion in the District Six Work Program.

Study Area

Miami-Dade County

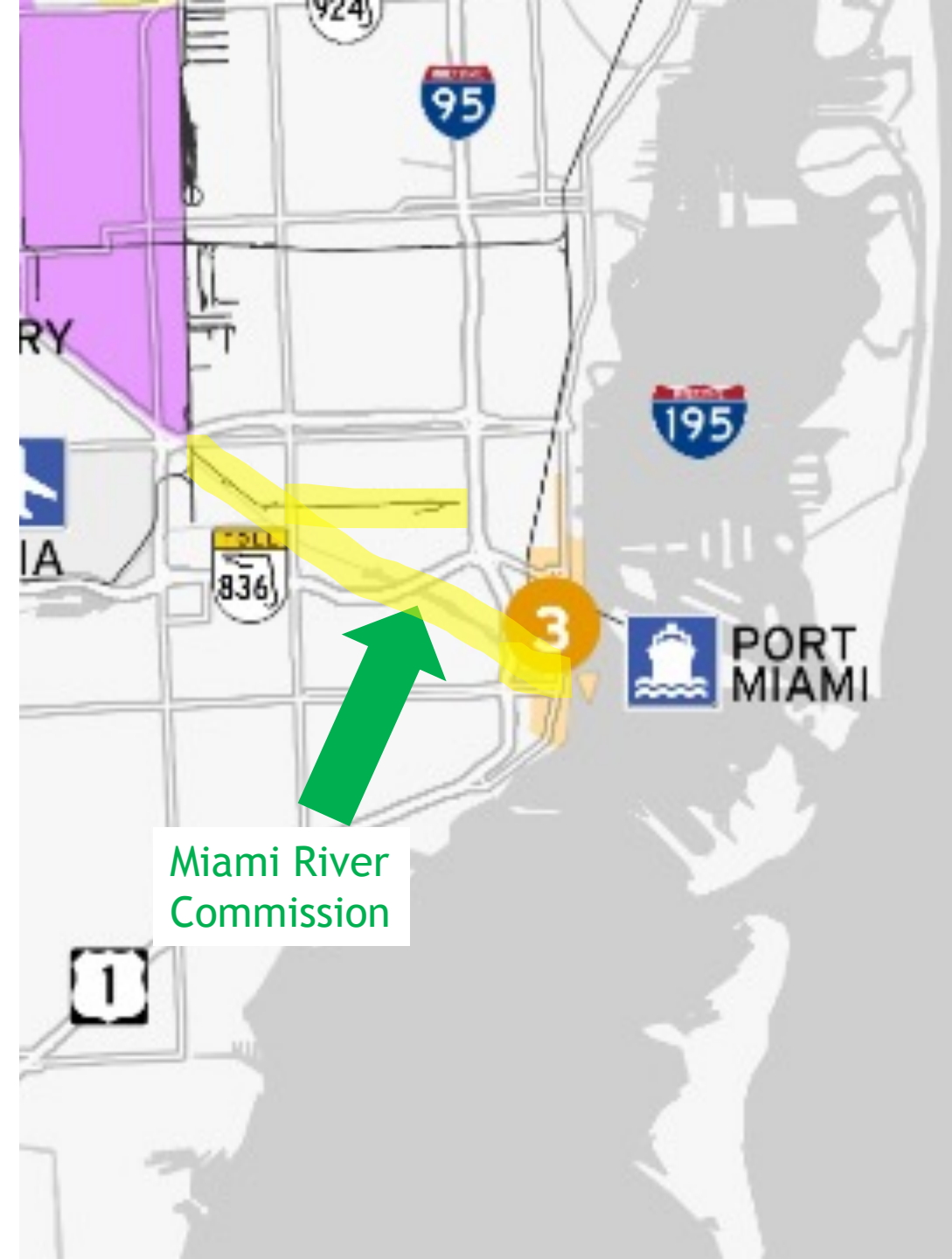
- Coordinated freight planning across the County
- District Six has completed eight (8) sub-area studies to date
 1. Medley
 2. Opa-Locka
 3. Miami-River
 4. Doral
 5. Miami-Gardens
 6. Hialeah
 7. Homestead
 8. Monroe County
- Freight movement does not stop at county or city boundaries



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Outreach Efforts



Meetings and Coordination

- Website and Fact Sheet
- Public Meetings
 - Florida Freight Advisory Committee (FLFAC)
 - Miami-Dade TPO's Freight Transportation Advisory Committee (FTAC)
 - Miami River Commission (MRC)
- One-On-One Stakeholder Meetings (Ongoing)
- Stakeholder Coordination Memo (Pending)



Emerging Outreach Themes



- **Infrastructure Improvements**

- Cargo Capacity
- Roadway Design
- Rail Connectivity
- Seawall Improvements

- **Safety & Operational Enhancements**

- Railroad Crossings
- Traffic Management Systems
- Congestion Management

- **Truck Parking & Traffic Flow**

- Parking Facilities
- Signal Optimization

- **Funding & Coordination**

- Increased Funding Resources
- Enhanced Partner and Stakeholder Collaboration

- **Modernization**

- Additional Energy Capacity
- Innovative Technology

Implementation Framework



Document Review, Policy Framework, and Implementation Guidance

- Review of Previous and Ongoing Studies
- Policy Framework for Freight System Development
- Freight Plans and Network
- Plan Performance Framework

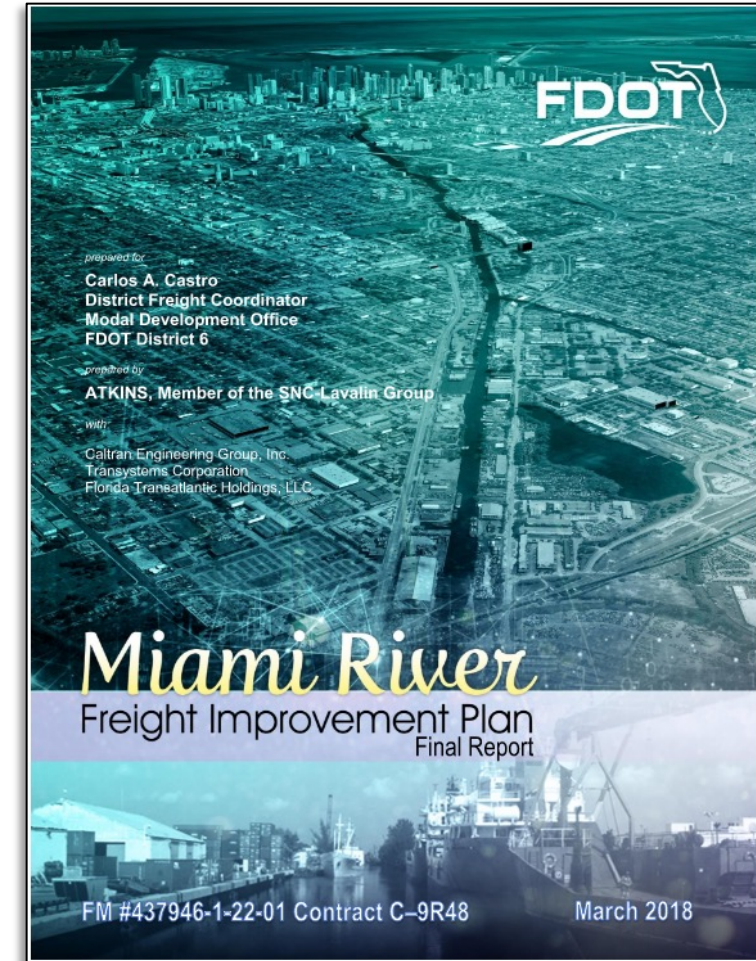


Implementation Framework



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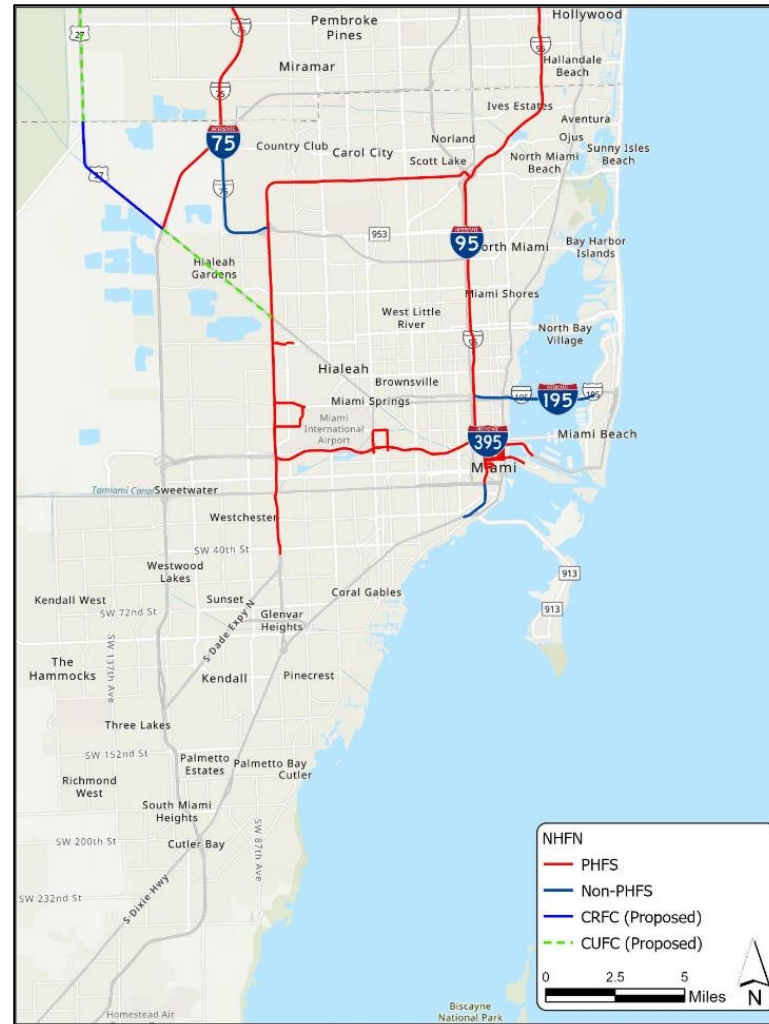
- Identify the Consistent Performance-related Themes
- The Miami River Freight Improvement Plan (2018)
- Coordination Across Multiple Levels of Government
- Networks Are Maintained by Multiple Levels of Government



Implementation Framework



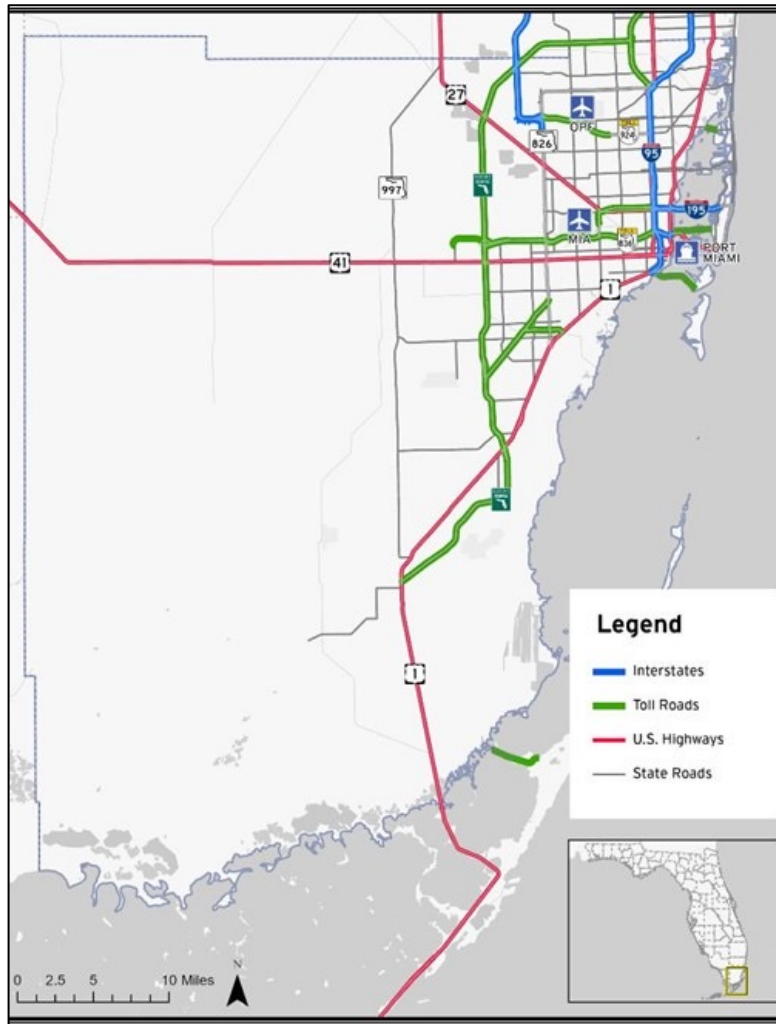
National Highway System (NHS)



National Highway Freight Network (NHFN)

- Backbone of Miami-Dade's Freight Transportation Network
- Both consist of subsystems
- NHS = 236.17 Centerline Miles
- NHFN = 72.30 Centerline Miles

Implementation Framework



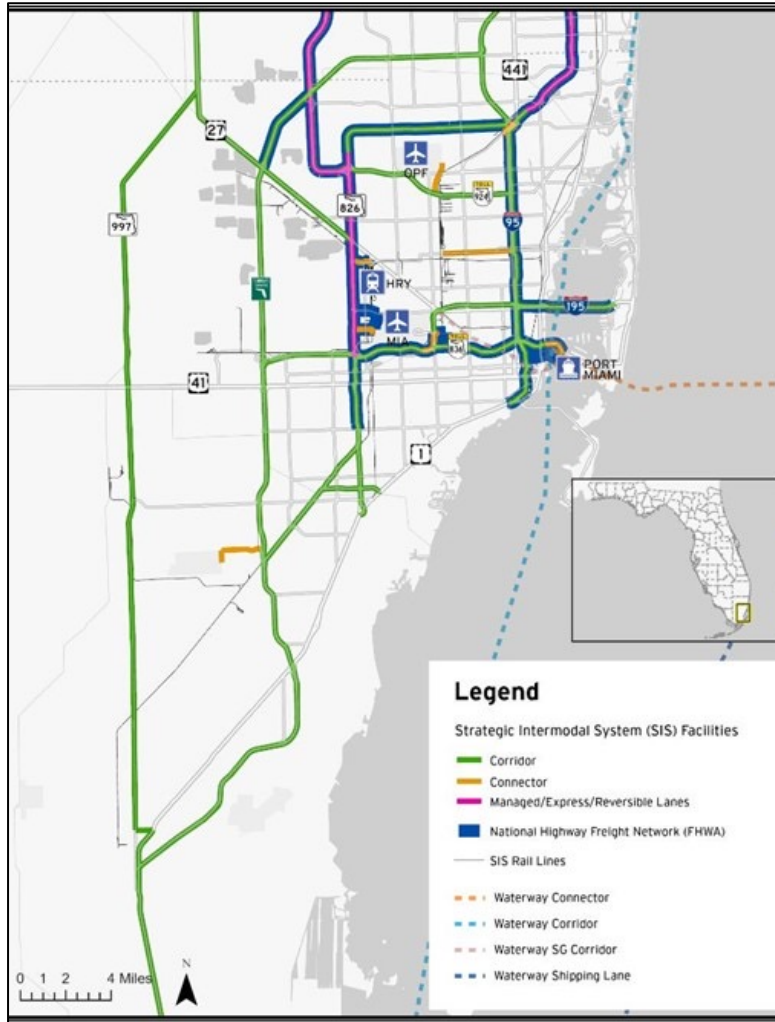
State Highway System (SHS)



Strategic Intermodal System (SIS)

- SHS = 580.29 Centerline Miles
 - Interstates, Toll Roads, US Highways, & State Roads
 - 33,283,000 daily vehicle miles traveled
- SIS
 - 198 Centerline Miles
 - 50 Rail Miles
 - 15 Connector Miles

Implementation Framework



**Miami-Dade County
Freight Network (MDCFN)**

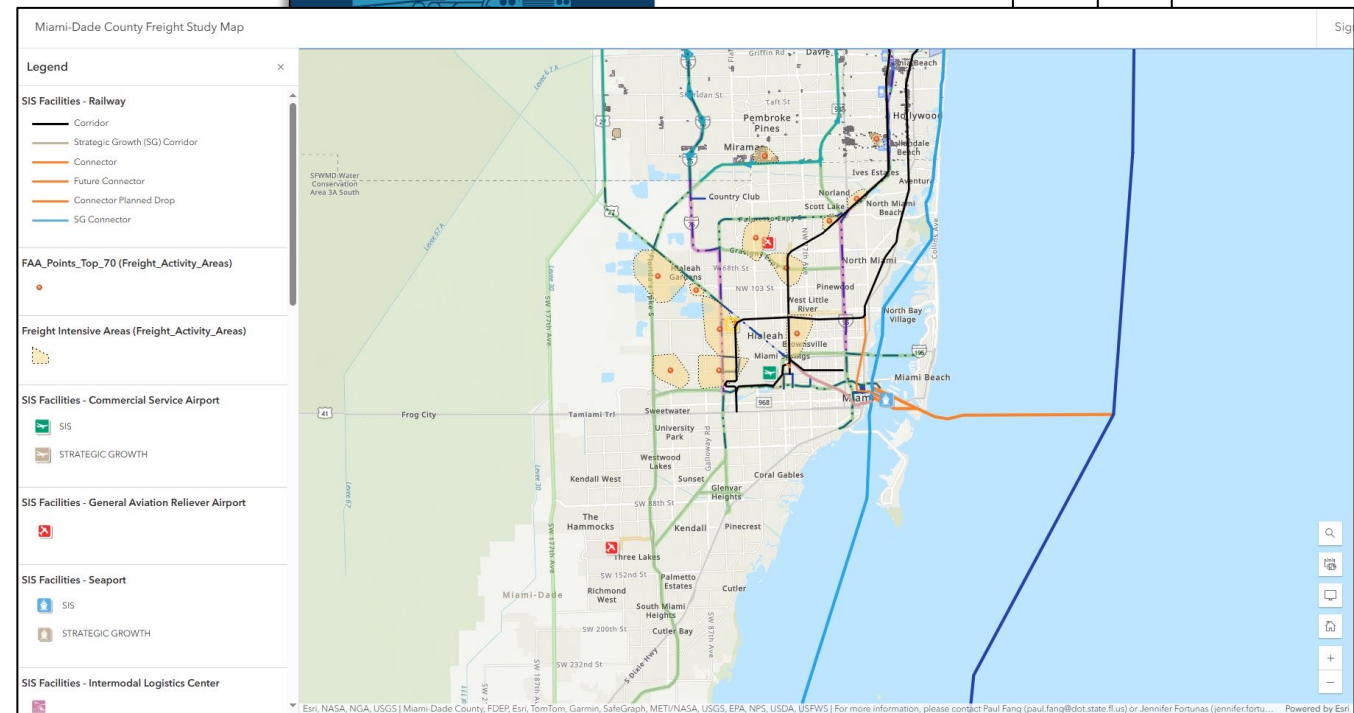
- Facilitates seamless movement of goods between regional and international destinations
- Integrated transportation modes
- Includes:
 - 198 miles of SIS roadways
 - Approximately 72 miles of National Highway Freight Network
 - The Miami River (previously designated as an Emerging SIS Waterway)
 - Miami-Kendall Airport (designated as a SIS airport)

Data Collection and Network



Data Collection, Network Components, and Performance

- Existing and Future Freight Conditions
- Freight Logistics Network Components
- Freight and Logistics Network Performance Overview
- GIS Application Development



Data Collection and Network



Table 1. Projected Growth of Outbound Commodity Tonnage in Miami-Dade County (2020-2050)

Commodity Name	2020	2050	Growth
Minerals	2,943,000	3,424,000	16.3%
Waste	2,938,000	3,196,000	8.8%
Paper	1,582,350	2,333,700	47.5%
Other durable manufacturing	1,558,286	2,334,600	49.8%
Agricultural products	1,383,800	1,553,200	12.2%
Coal	1,363,300	1,507,725	10.6%
Nondurable manufacturing	1,241,350	1,846,325	48.7%
Petroleum products	943,475	953,600	1.1%
Chemicals	935,250	1,244,575	33.1%
Lumber	626,800	930,750	48.5%
Clay and stone	38,175	22,825	-40.2%
Total	15,553,786	19,347,300	24.4%

Source: Freight Analysis Framework (FAF), Bureau of Transportation Statistics (BTS)

Data Collection and Network



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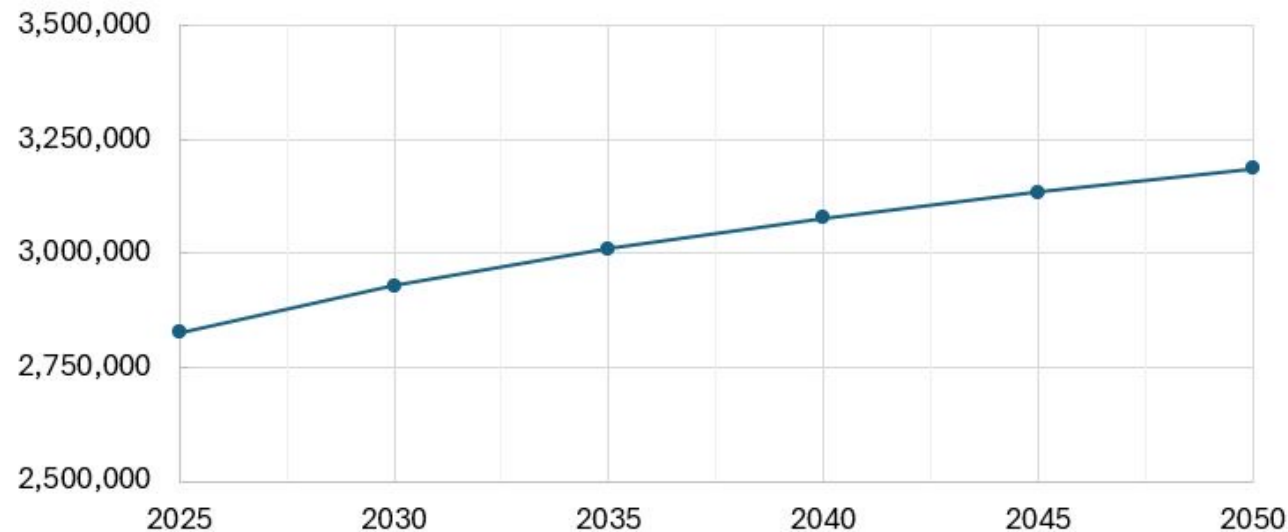
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Data Collection and Network



Population Trend from 2025 to 2050 in Miami-Dade County



Source: BEBR

Population from 2025 to 2050 in Miami-Dade County

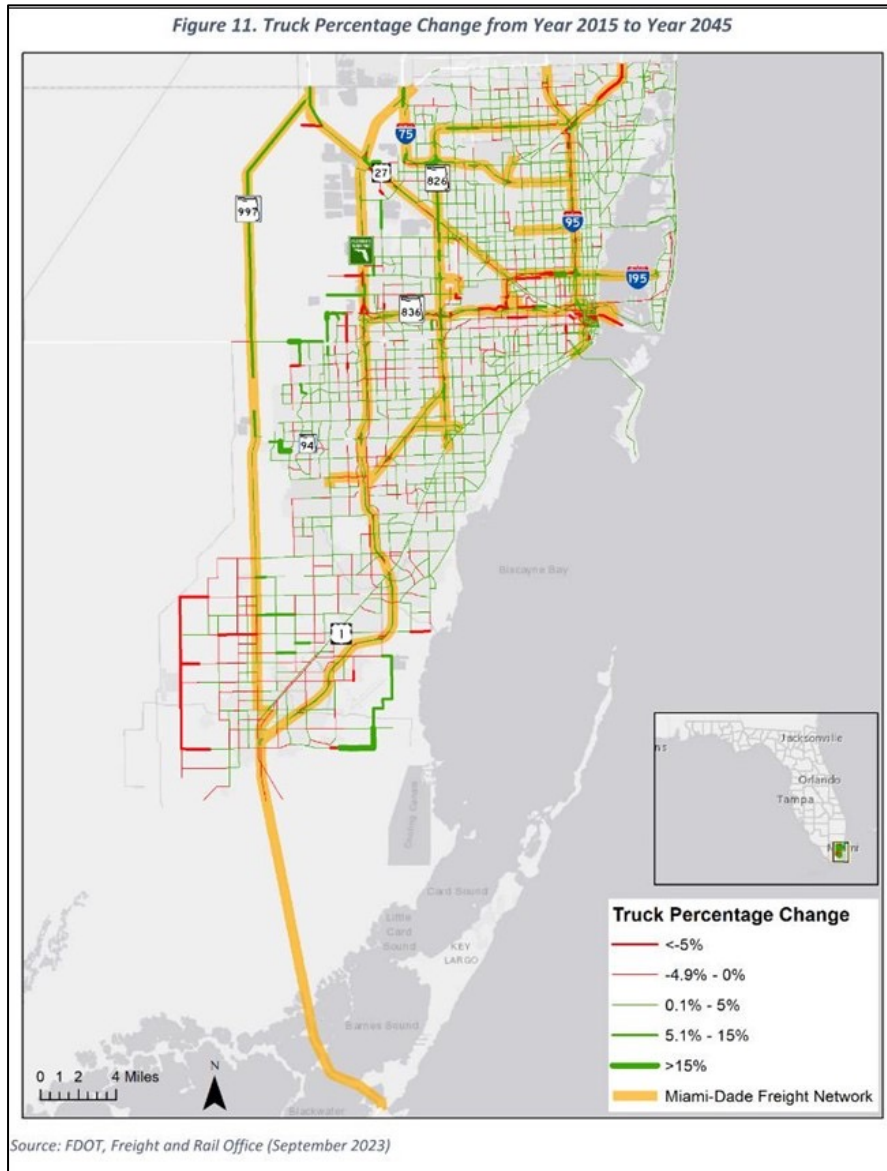
Year	Miami-Dade Population
2025	2,826,885
2030	2,928,190
2035	3,010,941
2040	3,076,907
2045	3,133,565
2050	3,186,934

Source: BEBR

Demographic Changes (2025 to 2050)

- 2,826,885 in 2025
- 3,186,934 by 2050
- Total employment is projected to increase by 37.6% between 2015 and 2045

Data Collection and Network



Southeast Regional Planning Model (SERPM)

- Truck traffic (2015 to 2045)
- Most network segments show increases
- Most significant growth areas:
 - I-95 corridor
 - I-195 corridor
 - Florida's Turnpike
- These routes are projected to see increases of over 5,000 trucks per day

Freight Needs Analysis (Ongoing)



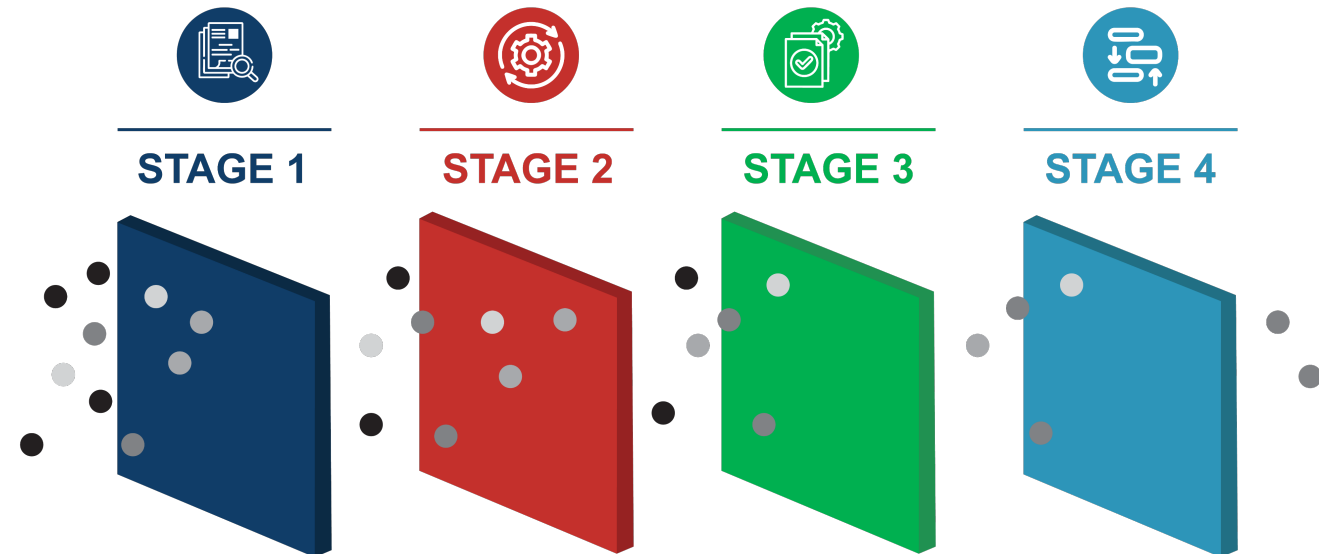
Comprehensive Freight Mobility Needs Assessment

Stage 1: Review Existing Plans and Conduct Stakeholder Interviews

Stage 2: Update Status of Recommended Projects

Stage 3: Refine the Recommended Projects through Needs Analysis

Stage 4: Finalize and Prioritize Final Recommended Projects

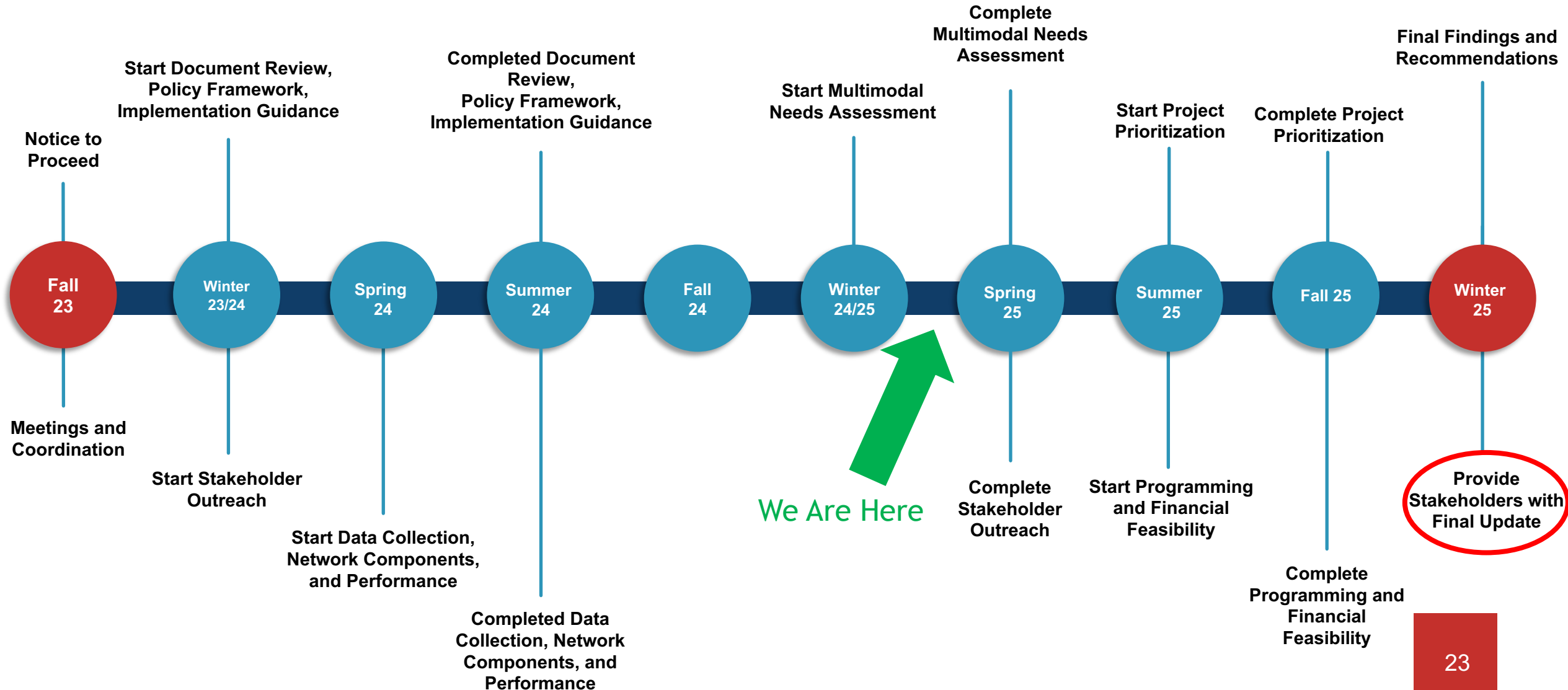


Next Steps



- **Comprehensive Freight Mobility Needs Assessment** (Ongoing)
- **Future Task Work Orders**
 - Prioritization of Freight Projects and Actions
 - Programming and Financial Feasibility Analysis
 - Final Findings and Recommendations

Schedule



Watch For Motorcycles



FDOT District Six
Safety Resources Site



Thank You! | Questions?



FDOT Project Manager

Sandra Villard

sandra.villard@dot.state.fl.us

HNTB Project Manager

Jessica Dean

jedean@hntb.com

HNTB Deputy Project Manager

Daniel Crotty

dcrotty@hntb.com