

# District Six: Freight Village Countywide Analysis Study

Miami River Commission

May 5, 2025

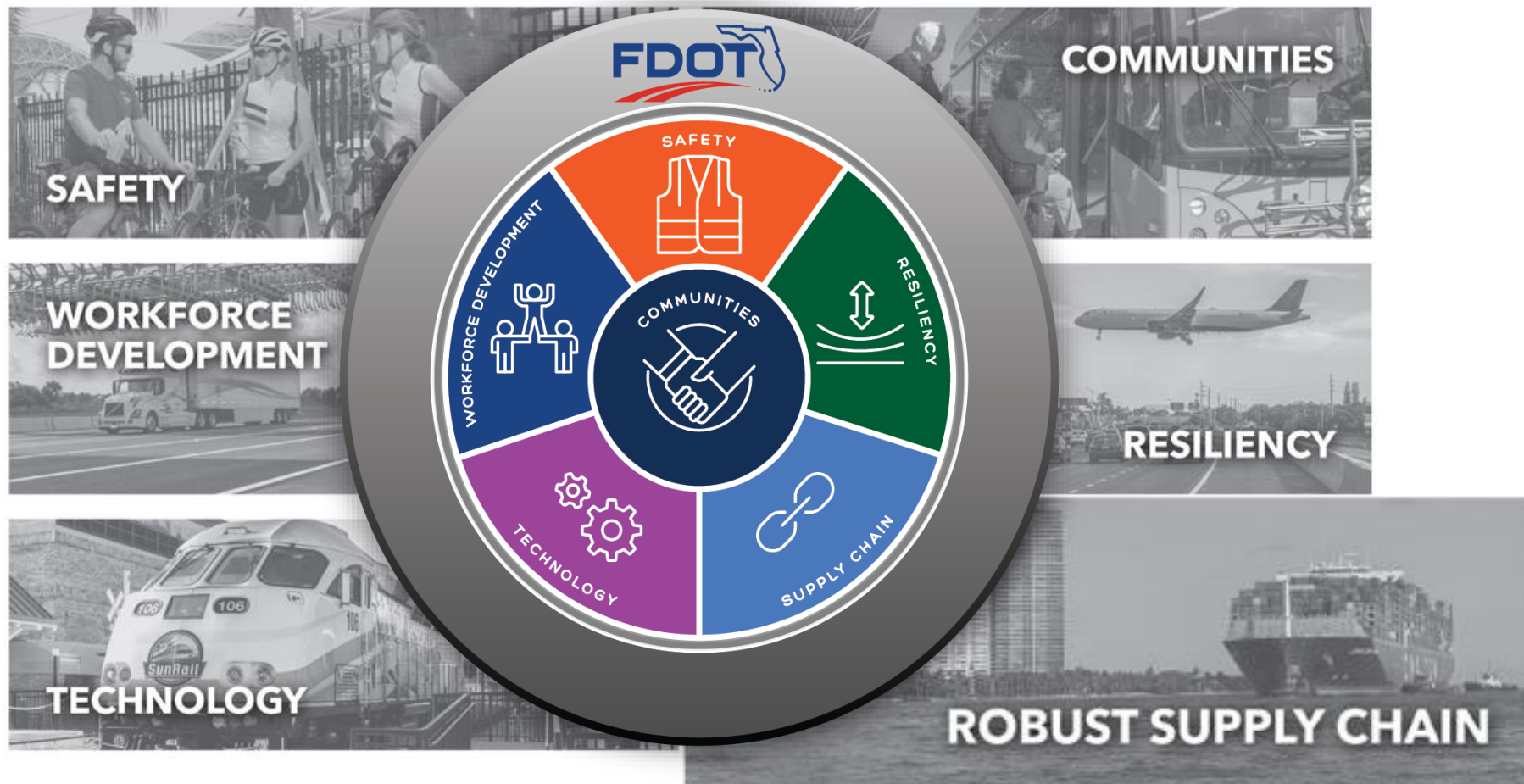
FPID: 437947-1



# FDOT Compass



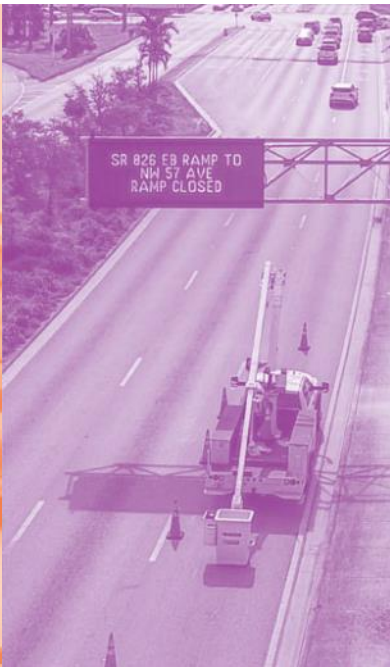
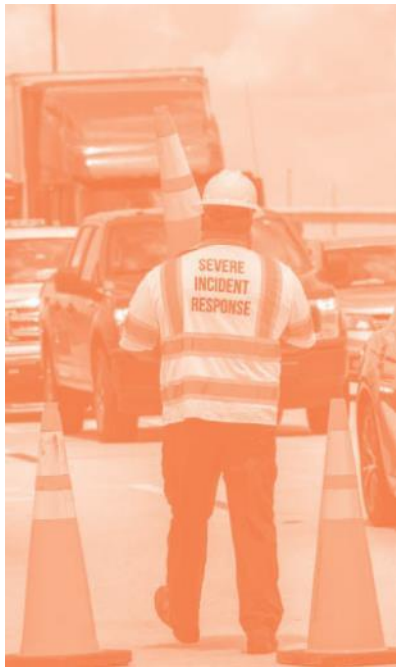
This plan aims to improve Florida's global supply chain and economic competitiveness by identifying key transportation enhancements to maximize efficiency.



# 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



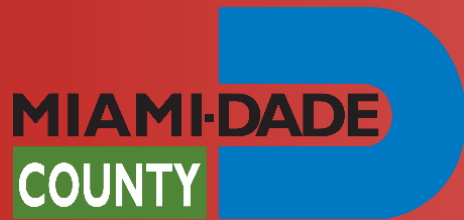
State Level



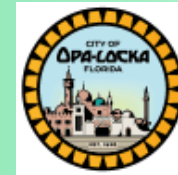
Florida Department of Agriculture and Consumer Services



County Level



Local Level



Industry Level



# Goals and Objectives



## Goal

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

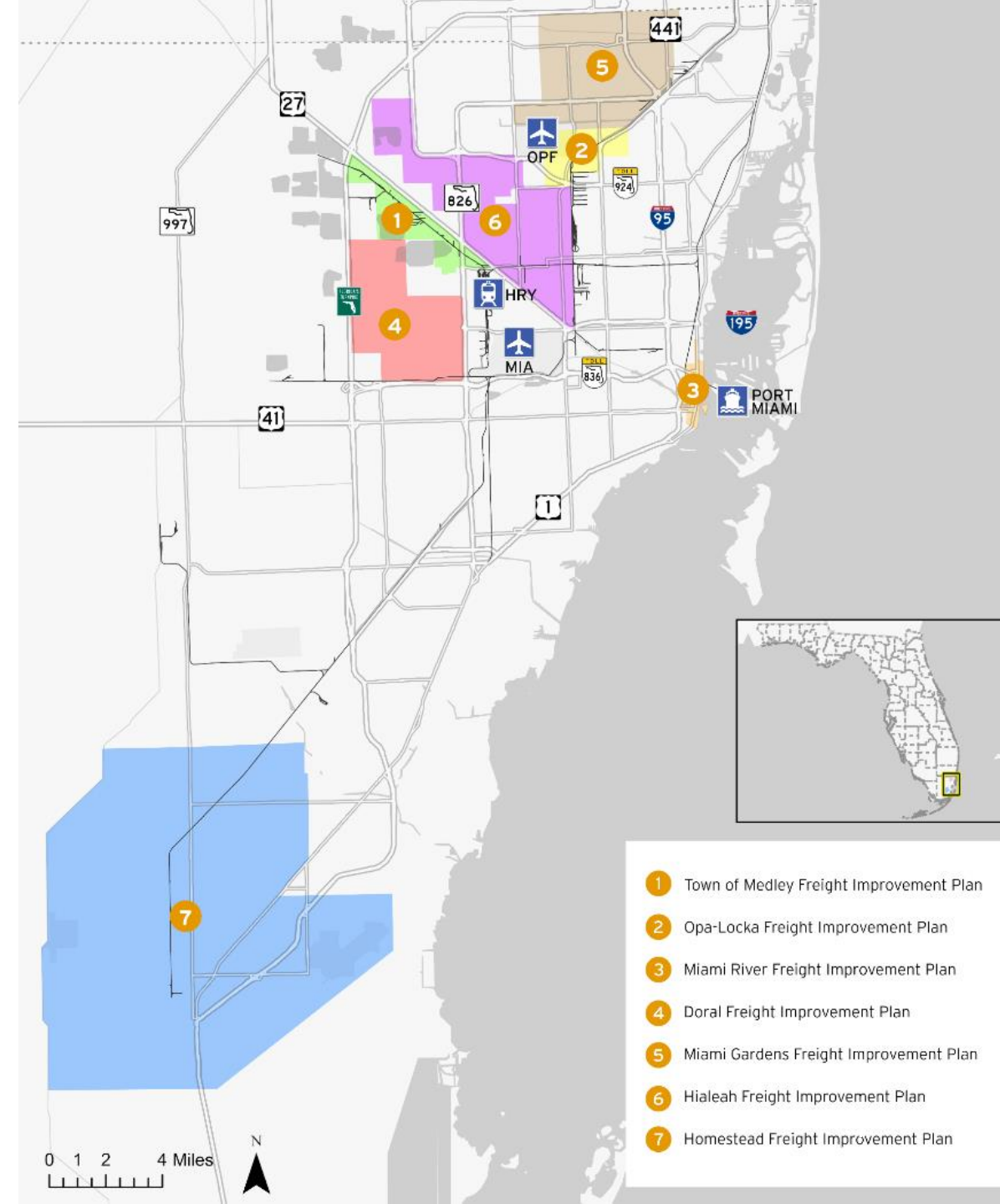
## Primary Objective

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

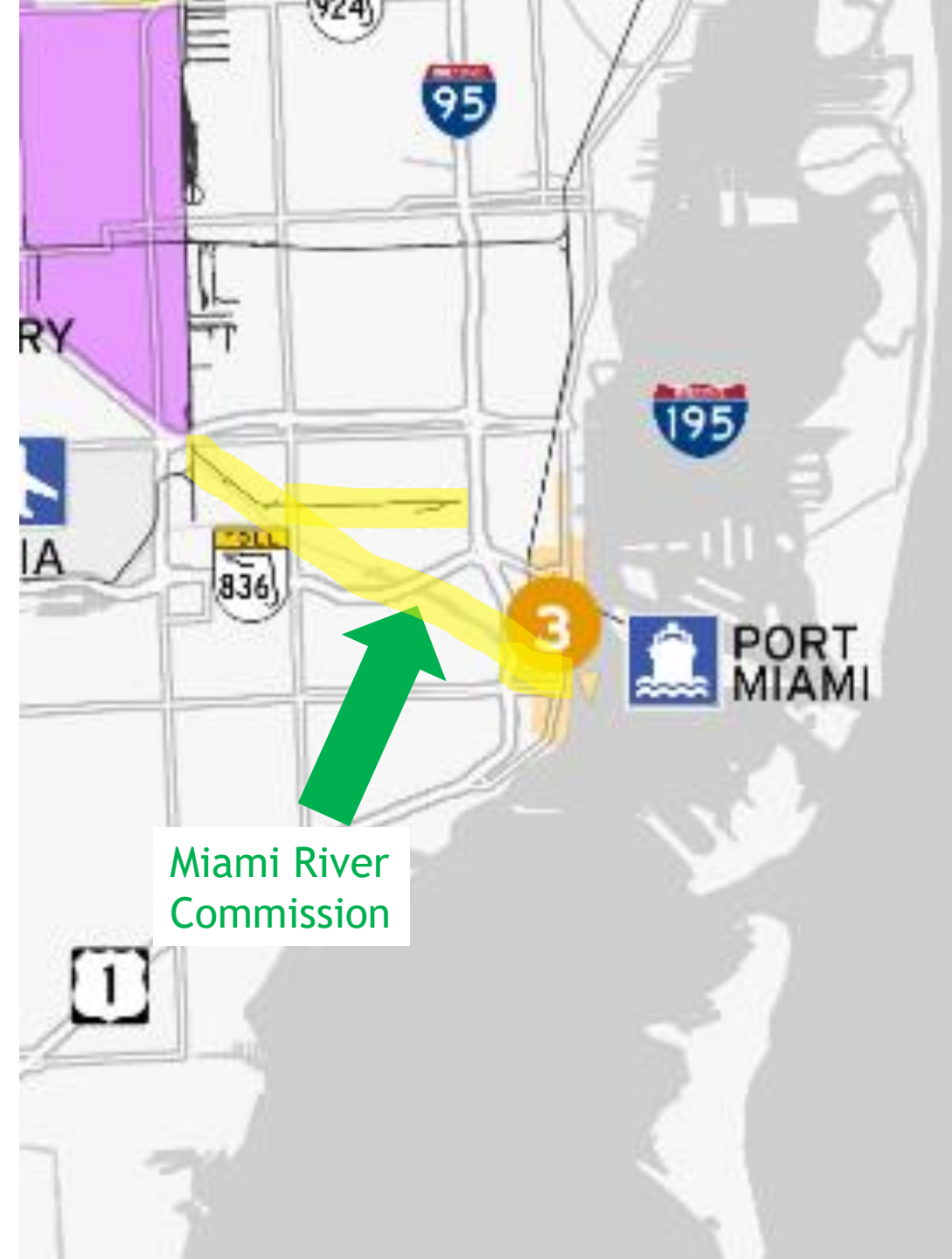
- Coordinated freight planning across the County
- District Six has completed eight (8) sub-area studies to date
  1. Medley
  2. Opa-Locka
  3. Miami-River
  4. Doral
  5. Miami-Gardens
  6. Hialeah
  7. Homestead
  8. Monroe County
- Freight movement does not stop at county or city boundaries



# Study Area

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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

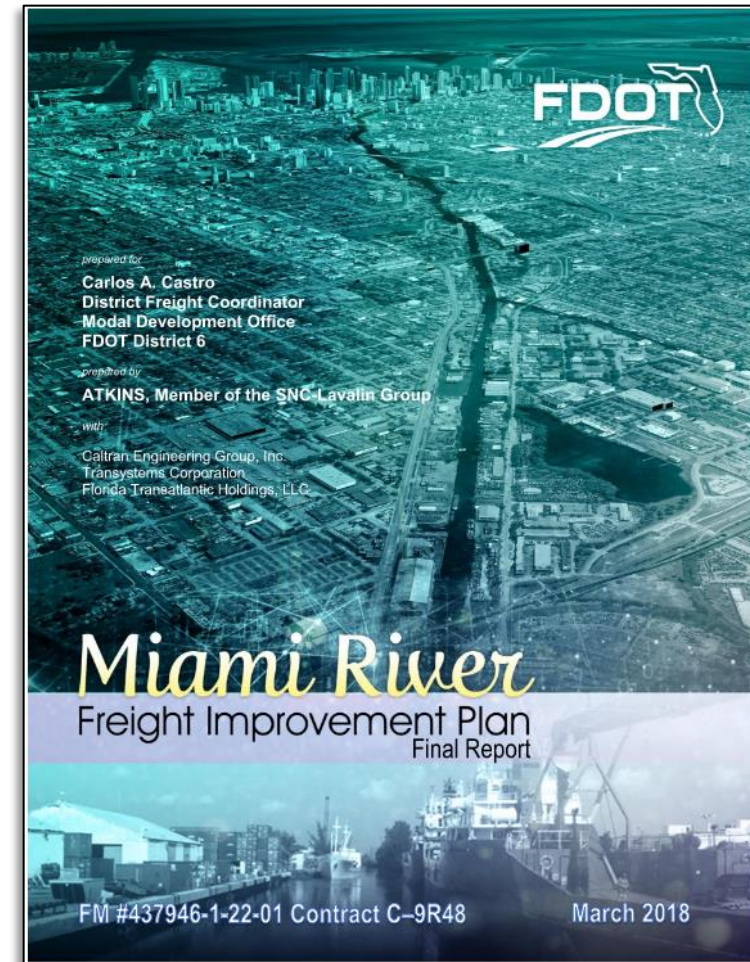


# Implementation Framework



## Document Review, Policy Framework, and Implementation Guidance

- 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



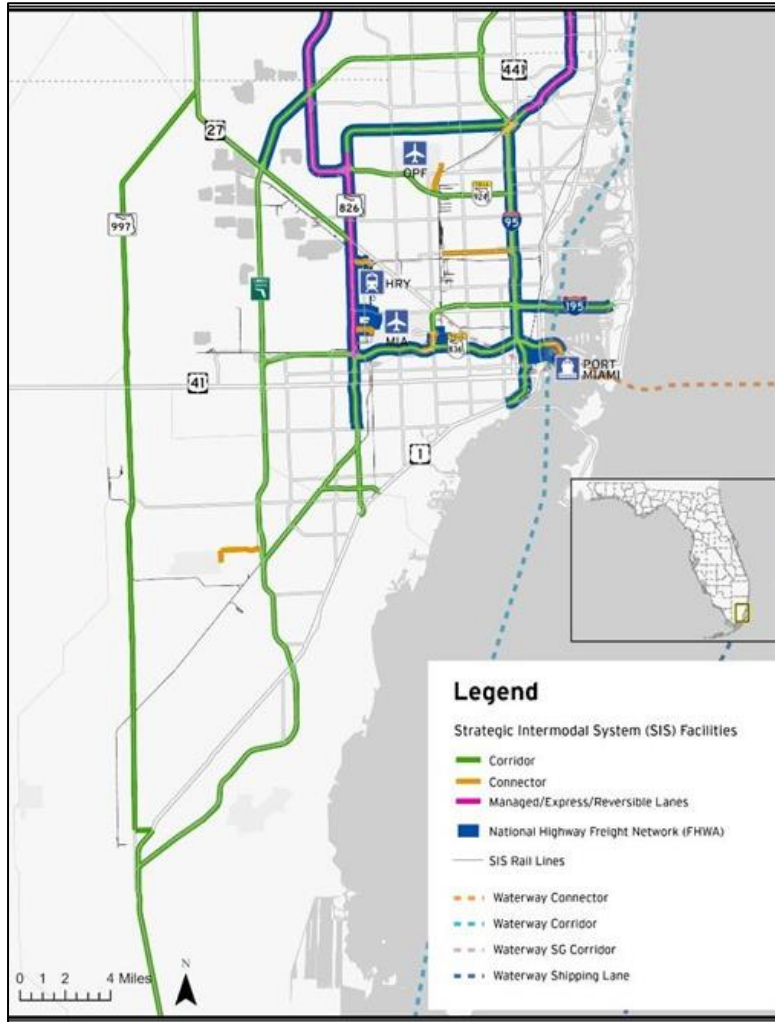
**State Highway System (SHS)**



**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)

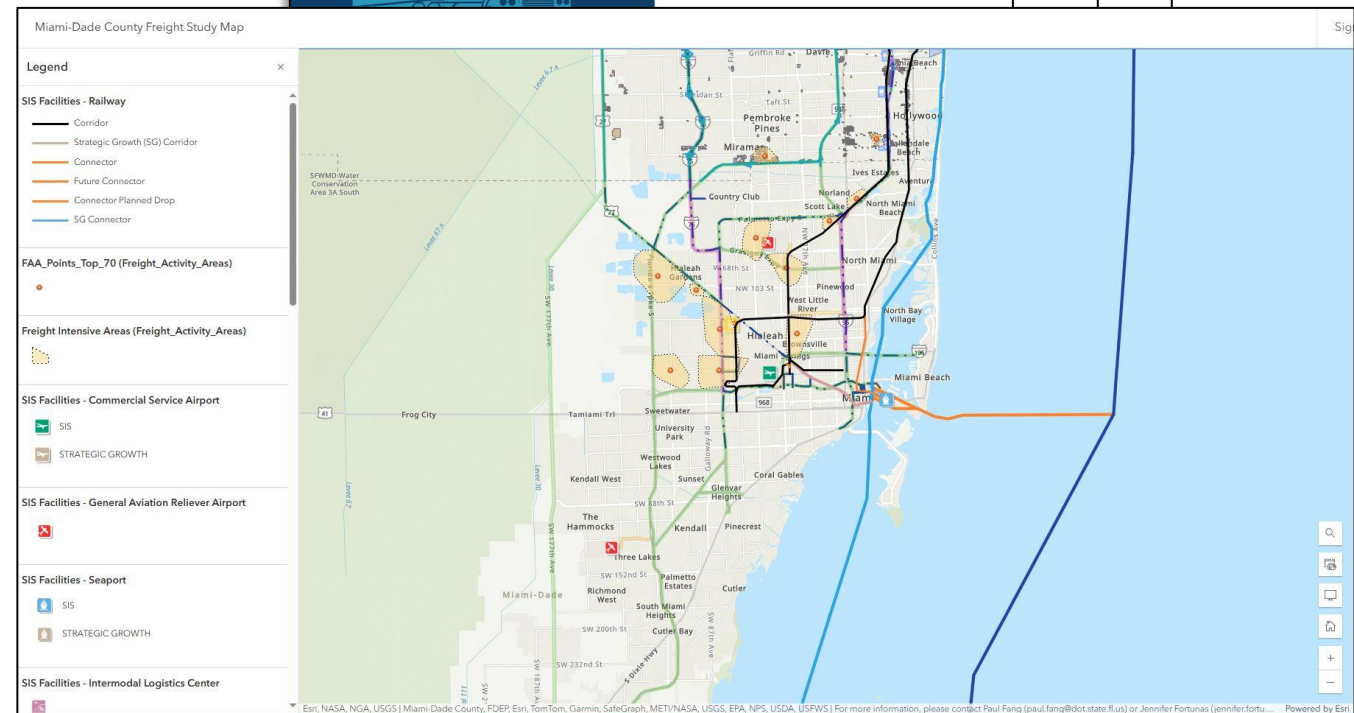
- Facilitates seamless movement of goods between regional and international destinations
- Integrated transportation modes
- Includes:
  - 198 miles of SIS roadways
  - Approximately 72 miles of National Highway Freight Network
  - The Miami River (previously designated as an Emerging SIS Waterway)
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

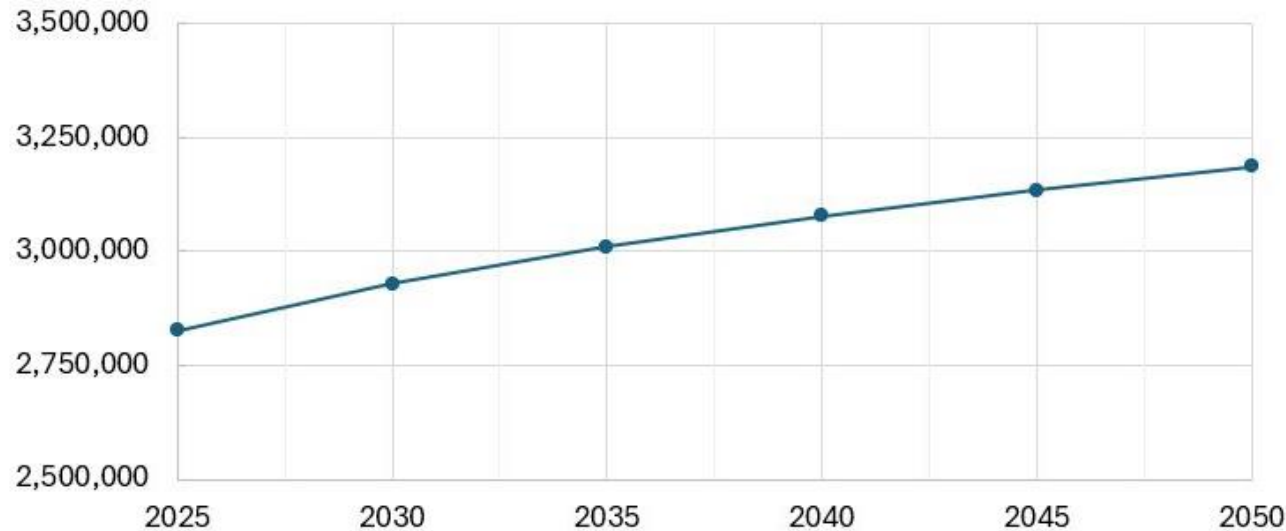
Commodity Name	2020	2050	Growth
Minerals	2,943,000	3,424,000	16.3%
Waste	2,938,000	3,196,000	8.8%
Paper	1,582,350	2,333,700	47.5%
Other durable manufacturing	1,558,286	2,334,600	49.8%
Agricultural products	1,383,800	1,553,200	12.2%
Coal	1,363,300	1,507,725	10.6%
Nondurable manufacturing	1,241,350	1,846,325	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%
<b>Total</b>	<b>15,553,786</b>	<b>19,347,300</b>	<b>24.4%</b>

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

# 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

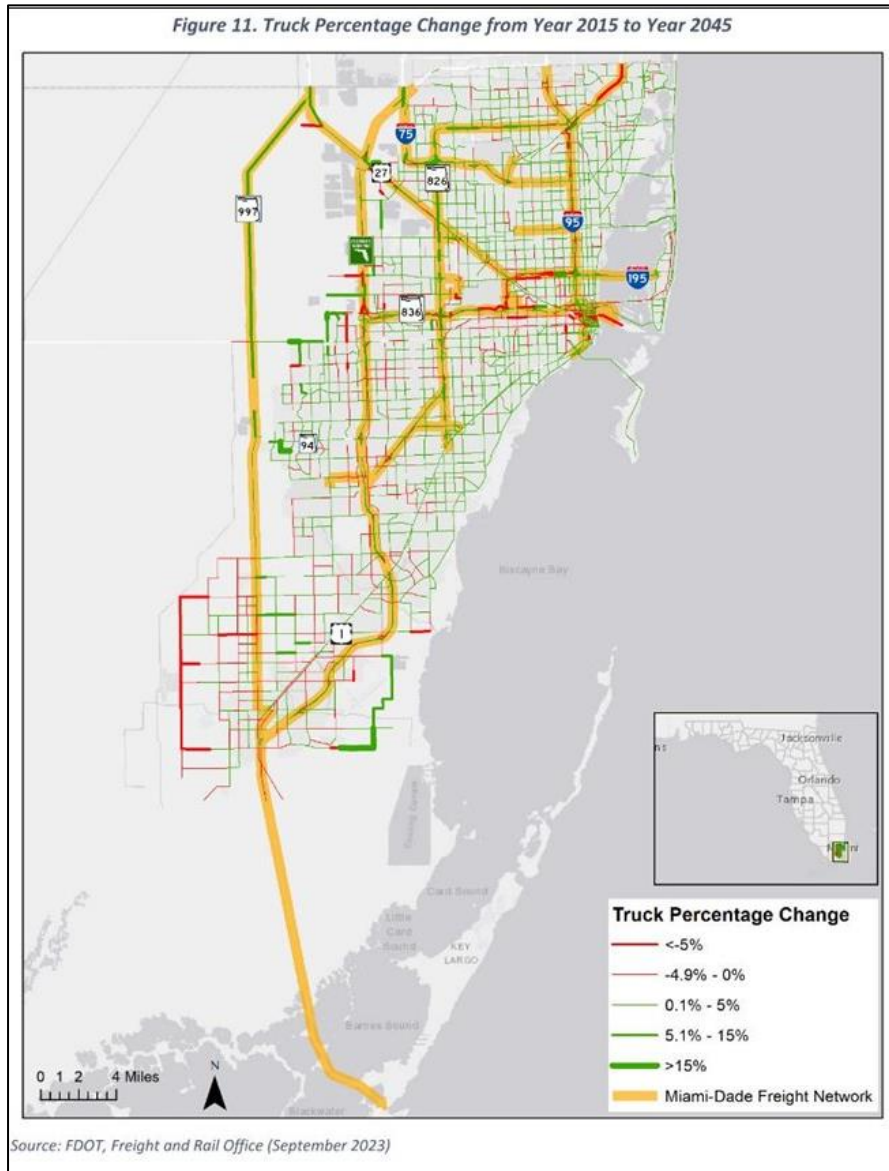
Year	Miami-Dade Population
2025	2,826,885
2030	2,928,190
2035	3,010,941
2040	3,076,907
2045	3,133,565
2050	3,186,934

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)



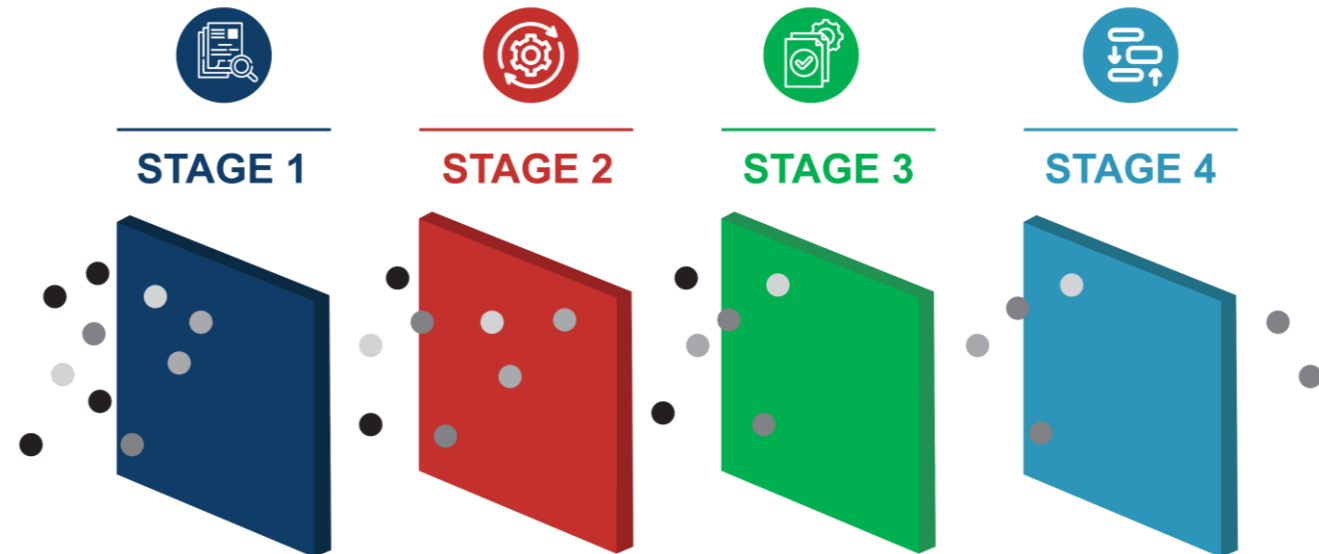
## Comprehensive Freight Mobility Needs Assessment

**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

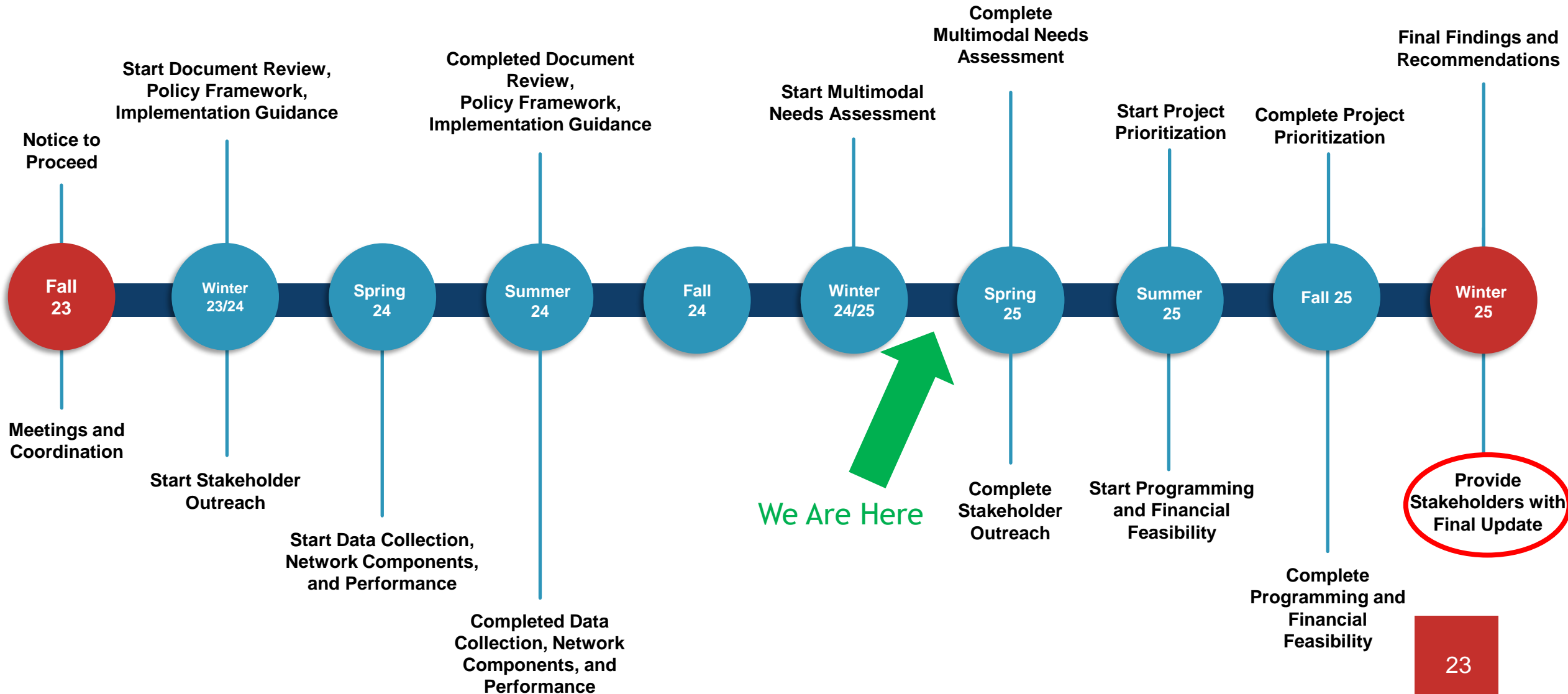


# Next Steps



- **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



**FDOT**  
TOGETHER, WE ALL PLAY A VITAL  
ROLE IN MOTORCYCLE SAFETY.  
REMEMBER TO CHECK TWICE TO  
SAVE A LIFE, AND ALWAYS STAY  
ALERT FOR MOTORCYCLES.



# Thank You! | Questions?



**Freight Village Countywide  
Analysis Study**

**Project Website**

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