

APPENDIX H

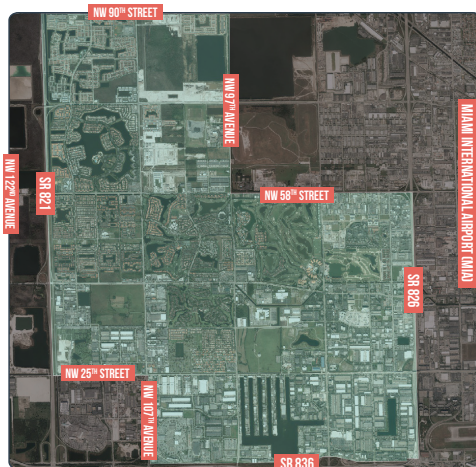
Public Outreach

FACT SHEET - OUTSIDE

SCOPE OF SERVICES

This project is the 4th installment in a series of projects initiated by District 6 to implement Florida's Mobility and Trade Plan (FMTP) which provides the Florida Department of Transportation (FDOT) with an integrated and comprehensive approach to target the benefits of movement of goods, commodities, and services. The strategy is to advance the implementation of the freight and logistics transportation system by partnering with local communities and stakeholders to develop subarea freight plans.

STUDY AREA



WWW.FREIGHTMOVESFLORIDA.COM

ABOUT THE PROJECT

The project will be performed within the framework of a Planning and Conceptual Engineering (PACE) study with the purpose of advancing freight/intermodal projects. Short-, mid- and long term projects will be identified for advanced programming through various State, Federal and Local funding programs.



OBJECTIVES

- Examine freight movements throughout the City of Doral and relevant surrounding areas with an emphasis on impacts to the area roadway system
- Focus on freight industry movements to identify impacts to the area roadway system
- Describe products and market and its relation to the economy of Miami-Dade County
- Determine the origin and destination of truck traffic moving through the City of Doral and its commerce areas
- Determine the appropriate facilities needed to match the current and projected freight movements
- Identify specific transportation improvements to match roadway capacities for future demand

CONTACT INFORMATION

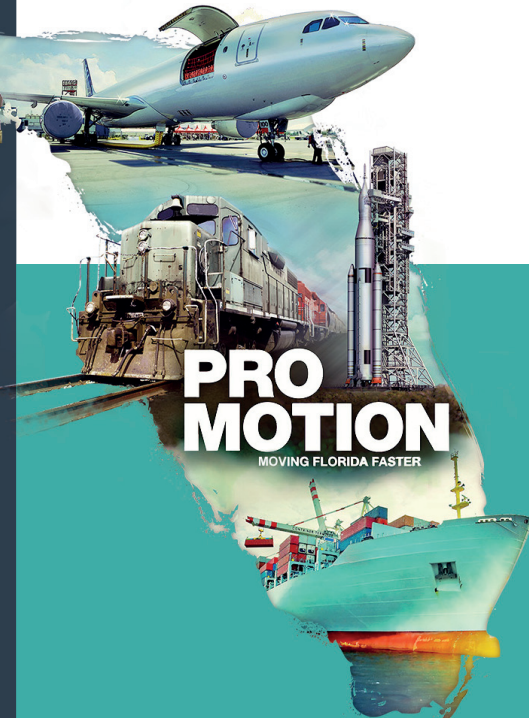
JEFF WEIDNER
jweidner@marlinengineering.com
954. 205. 2471

CARLOS CASTRO
carlos.castro@dot.state.fl.us
305. 470. 5238

CITY OF DORAL

SUBAREA FREIGHT MOBILITY IMPROVEMENT PLAN

FM# 437945-1-22-01



FACT SHEET - INSIDE

AWARENESS OF
PROJECT ISSUES

Traffic Congestion and Maintaining Freight Mobility

The Doral Area is a center for regional and global logistics activity. During the morning and evening peak periods, the area experiences severe congestion as the influx of commuter work trips degrades network operations.

Stakeholder and Intergovernmental Coordination

The area includes multiple jurisdictions including the City of Doral, Sweetwater, the Town of Medley, and Unincorporated Miami-Dade County. The area also includes multiple transportation owners and service providers.

Growth in Freight and Non-Freight Related Uses

Growth in the freight industry is expected to place greater demand on the transportation network in a short time frame due to the opening of the new locks at the Panama Canal and the completion of major freight projects in the area.

Numerous Projects Planned for the Area and Sequencing Multimodal Transportation Investment Presents Challenges

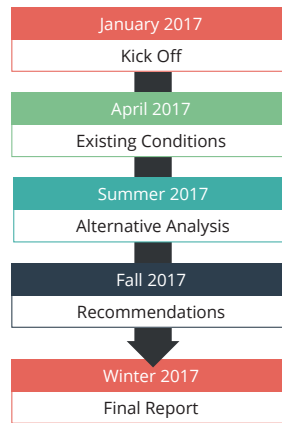
There are a lot of transportation projects scheduled for this area that will have a significant impact on relieving congestion and impacting travel behavior and freight flows. All together the projects have a significant impact on improving transportation conditions, the difficulty is in the sequencing of the projects to prioritize freight improvement.

Development of Future Growth Scenarios

Analysis of freight mobility for current and expected freight movements.

- High freight growth scenario with higher than average overall economic growth.
- Low freight growth scenario with lower than expected economic growth.
- A No-Build Scenario where no additional improvements are proposed beyond current programming.

SCHEDULE



TASKS



DORAL KICK-OFF MEETING SUMMARY

Summary

Doral Area Freight Plan – FM# 437945-1-22-01 Planning and Conceptual Engineering (PACE) Study Kick-Off Meeting – Contract No. C-9S79

Meeting Summary
February 22nd, 2017 3:30 PM
City of Doral – Manager’s Conference Room



Attendees:

Joan Shen, City of Doral, City Manager’s Office
Manuel Pila, City of Doral, Economic Development
Julian Perez, City of Doral, Planning and Zoning
Jorge Gomez, City of Doral Public Works
Rita Carbonell, City of Doral, Public Works
Eugene Collings, City of Doral, Public Works, Chief Engineer
Evan Owen, City of Doral, Communications and Protocol Manager
Alex Tejerizo, City of Doral, Economic Development, Grant Writer
Carlos Castro, FDOT
Ivan Jimenez, FDOT
Jeff Weidner, FDOT Consultant

Meeting Summary

Carlos Castro kicked off the meeting with a summary of the purpose of the study:

- Carlos serves as the FDOT District 6 Freight Coordinator, Miami-Dade and Monroe Counties and he reviewed the attached documents
- FDOT Goal is to implement strategies of the Statewide FDOT Freight Mobility and Trade Plan
- The Doral Plan is the 4th in an on-going series of projects at FDOT District 6 to reach out and coordinate with locals to develop sub-area freight studies. The focus of the plans are to identify freight mobility projects and coordinate on project funding
- Carlos also briefed the group on Federal FAST Act funding for freight projects

Jeff Weidner – reviewed the Scope of Services for the study

- The Study area is larger than the City of Doral as it includes the areas between MIA to the East, SR 836 to the South, NW 122nd Avenue to the west and NW 90th Street to the North
- Issues include supporting freight mobility in a fast growing urban residential and commercial environment
- The study area has numerous roadway widening, new roadway and transit projects planned
- The scope will include development of a subarea transportation model to identify short-, mid- and long-range planning horizon conditions

Doral Area Freight Plan – FM# 437945-1-22-01 Planning and Conceptual Engineering (PACE) Study Kick-Off Meeting – Contract No. C-9S79



- The planning horizons will include high, medium and low growth scenarios
- The study also includes an Economic Development Summit that will draw on national, regional and local expertise in order to develop the high, medium and low scenarios
- Projects will be identified and prioritized for federal, state and local funding
- Projects will be reviewed for consistency with the MPO LRTP, TIP and the State Work Program

Julian Perez, spoke on the City's planning efforts:

- In the past the City was planning for warehouse conversions to lower uses including dance studios, there were parking issues and the City now recognizes the value of industrial property
- Industrial uses are preferred as they have more value and create more direct and indirect jobs
- Continue to add retail and hotel development that complements
- No heavy industrial. Want to be consistent with the needs of MIA
- Promote well defined light industrial zones
- Recommended that the Team coordinate with Florida Customs Brokers and Forwarders including Barbara Pimentel, Beacon Council Logistics and Trade Committee, Logistics and Trade Accelerator.

Coordination with the City – There was discussion on coordination and data needs:

- The City described their Smart City Program where video cameras are counting vehicles entering and exiting the City – right now 100,000 vehicles in and 106,000 vehicles out everyday
- The City was asked if they would host the economic development work and we discussed both their training room and the chambers
- The workshop would be used to get national, statewide and local economic development experts to help the team frame the high, medium and low growth scenarios
- Data was requested from the City:
 - 2016 traffic counts and will make them available
 - Link to the Capital Improvements Program
 - The recent Turning Radii Report
 - Smart City traffic data
 - Existing/current boardings and alightings on city trolley system
 - Transit annual performance report
 - Approved developments map (provided at the meeting)

Doral Area Freight Plan – FM# 437945-1-22-01 Planning and Conceptual Engineering (PACE) Study Kick-Off Meeting – Contract No. C-9S79



The FDOT Team informed the City of the Miami-Dade County/PortMiami Inland Port study that is now underway. The study is seeking to find the best location(s) for an inland port container laydown and truck parking location. They indicated that one of the possible sites could be the County owned land south of NW 74th Street between 87th and 97th Avenues.

Staff indicated that that site is also proposed for a regional soccer facility and that the site will be very difficult for anyone to develop. The site is a Federal EPA Superfund site that has been capped and whoever develops it needs to dig into the cap. City staff indicated that they are supportive of developing more light industrial freight related uses west of the HEFT between NW 12th Street and 41st Street.

There was significant open discussion in the room and all involved are excited to move forward.

Meeting adjourned

DORAL APRIL 10 MEETING AGENDA

Summary

**Doral Area Freight Plan – FM# 437945-1-22-01
Planning and Conceptual Engineering (PACE) Study
Progress Meeting – Contract No. C-9S79**

April 10, 2017 Meeting with Economic Development Staff



1. Review of Transit Plan and Draft Transportation Plan
 - i. Freight Corridors
 - ii. Planned Improvements
2. Review of Trade and Logistics Summit Agenda
 - i. Framework
 - ii. How to tie local plans
3. Review Conference Room
4. Open Discussion

FreightMovesFlorida.com



DORAL SUBAREA FREIGHT PLAN FTAC PRESENTATION

**PRO
MOTION**
MOVING FLORIDA FASTER

**Miami-Dade TPO
Freight Transportation Advisory Committee (FTAC)
June 14th, 2017 | Miami, Florida**

Carlos A. Castro
District Freight Coordinator

**Doral Area
Subarea Freight Mobility
Improvement Plan**

FM No. 437945-1-22-01



MISSION · VISION · VALUES



OUR MISSION

The department will provide a safe transportation system that ensures the mobility of people and goods, enhances economic prosperity and preserves the quality of our environment and communities.

Our Vision

Serving the people of Florida by delivering a transportation system that is fatality and congestion free.

Our Values

The fundamental principles which guide the behavior and actions of our employees and our organization.

Integrity

"We always do what is right"

Respect

"We value diversity, talent and ideas"

Commitment

"We do what we say we are going to do"

One FDOT

"We are one agency, one team"

Trust

"We are open and fair"

Customer Driven

"We listen to our customers"

The Department will provide a safe transportation system that ensures the

mobility of

people and **goods**, enhances

economic prosperity

and preserves the quality of our environment and communities.



Presentation Outline

- **Overview**
- **Scope of Services/Schedule**
- **Existing Conditions Results**
- **Analysis Methodology**
- **Questions**



3

**PRO
MOTION**

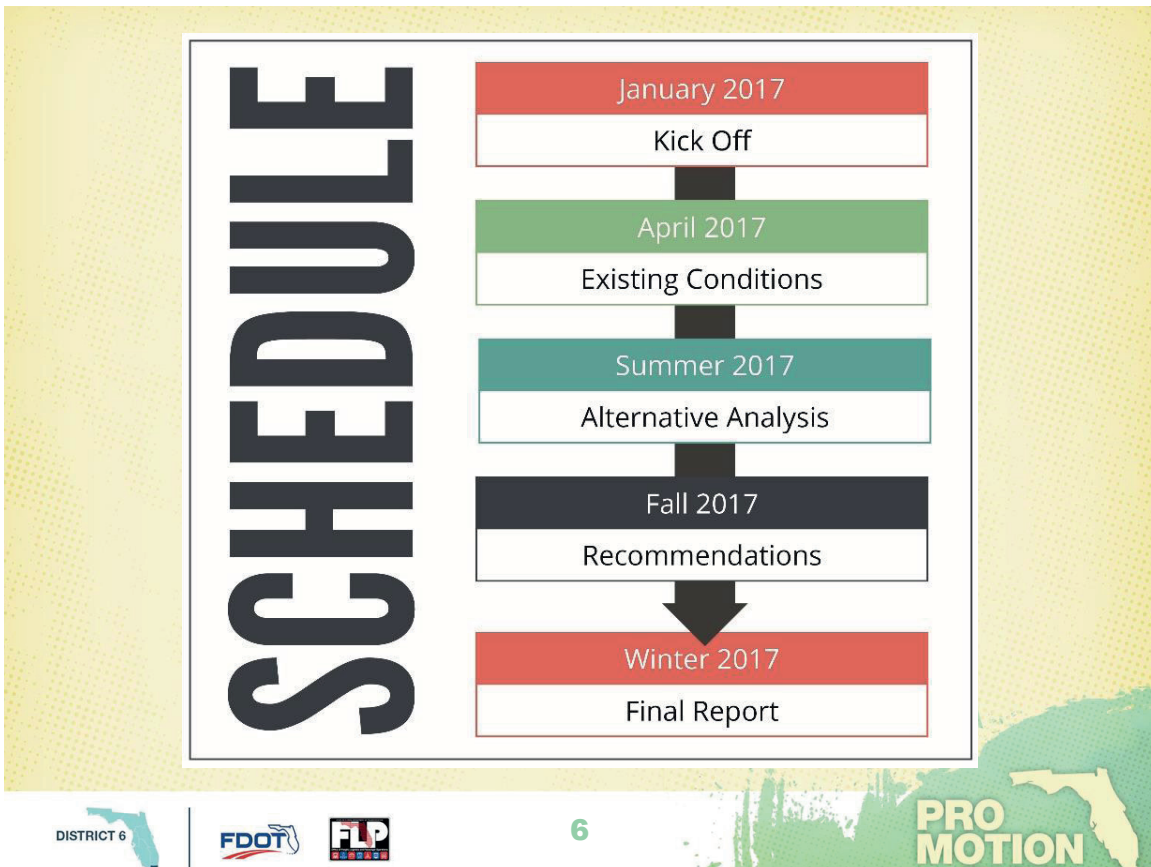
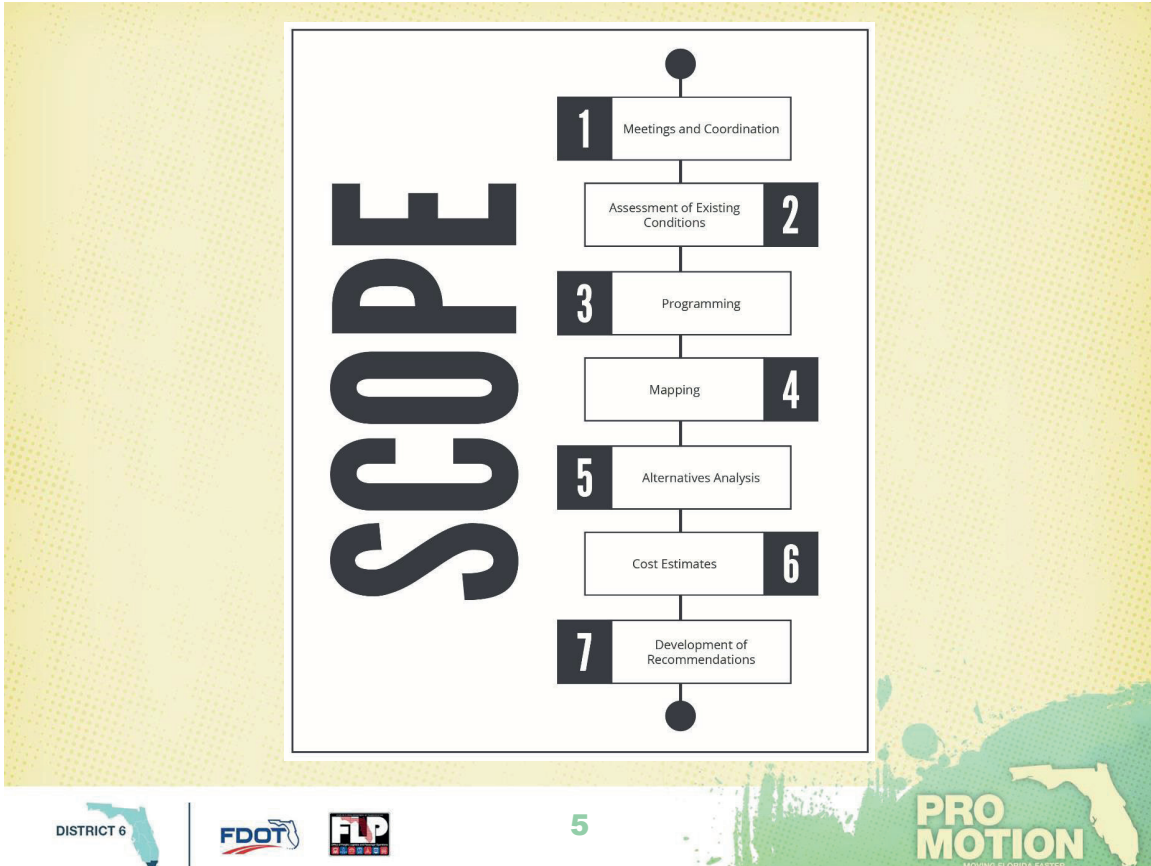
Scope of Services

The project will be performed within the framework of a Planning and Conceptual Engineering (PACE) study with the purpose of advanced programming of short-, mid- and long term projects freight/intermodal projects.

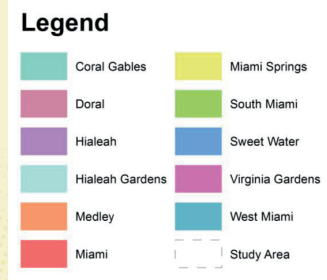
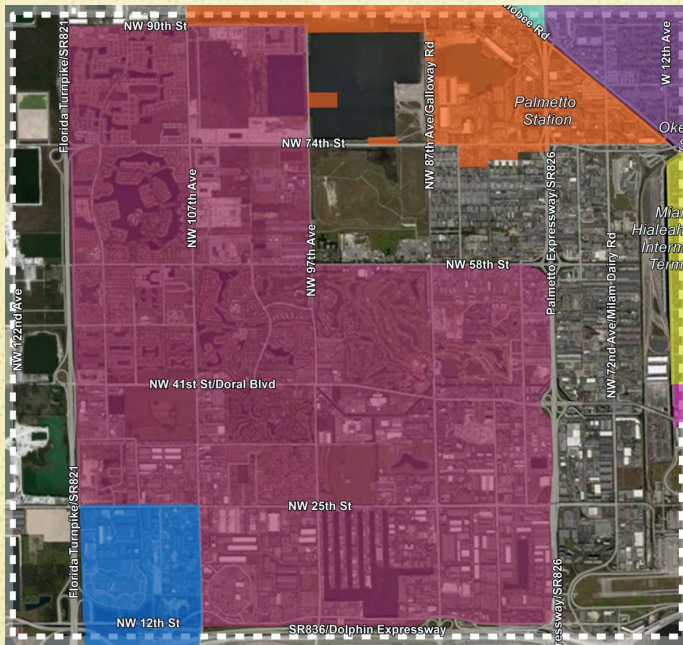


4

**PRO
MOTION**



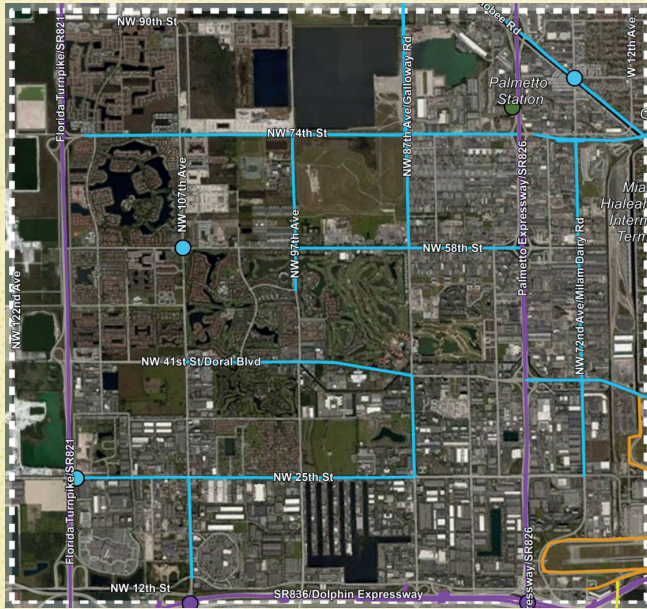
Study Area



Project Issues

- **Numerous projects recently built and planned for the area**
- **Growth in freight and non-freight uses**
- **Traffic congestion and maintaining freight mobility**
- **Stakeholder and intergovernmental coordination**
- **Development of future growth scenarios**

Project Issues: Changing Network



Roadway Projects: Doral Master Plan

ROADWAY	FROM	TO	IMPROVEMENT	NOTES	THRESHOLD ADDRESS	
1	NW 112th Avenue	NW 33rd Street	NW 41st Street	New 2 lane facility	Class II	Complete Grid
2	NW 92nd Avenue	NW 27th Street	NW 33rd Street	New 2 lane facility	Class II	Complete Grid
3	NW 102nd Avenue	NW 58th Street	NW 90th Street	New 4 lane facility	Class I	Complete Grid
4	NW 66th Street	NW 97th Avenue	NW 107th Avenue	New 2 lane facility	Class II	Complete Grid
5	NW 62nd Street	NW 99th Avenue	NW 107th Avenue	New 2 lane facility	Class II	Complete Grid
6	NW 104th Avenue	NW 58th Street	NW 62nd Street	New 2 lane facility	Class II	Complete Grid
7	NW 104th Avenue	NW 66th Street	NW 82nd Street	New 2 lane facility	Class II	Complete Grid
8	NW 99th Avenue	NW 58th Street	NW 66th Street	New 2 lane facility	Class II	Complete Grid
9	NW 78th Terrace	NW 97th Avenue	NW 107th Avenue	New 2 lane facility	Class II	Complete Grid
10	NW 82nd Street	NW 104th Avenue	NW 107th Avenue	New 2 lane facility	Class II	Complete Grid
11	NW 88th Street	NW 104th Avenue	NW 107th Avenue	New 2 lane facility	Class II	Complete Grid
12	NW 82nd Avenue	NW 41st Street	Geneva Court	New 4 lane facility	Class I	Complete Grid
13	NW 84th Avenue	NW 41st Street	NW 51st Terrace	New 4 lane facility	Class I	Complete Grid
14	NW 48th Street	NW 79th Avenue	NW 87th Avenue	New 4 lane facility	Class I	Complete Grid
15	NW 48th Street	NW 82nd Avenue	NW 87th Avenue	New 4 lane facility	Class I	Complete Grid
16	NW 43rd Street	NW 79th Avenue	NW 84th Avenue	New 2 lane facility	Class I	Complete Grid
17	NW 80th Avenue	NW 48th Street/ Geneva Court	NW 41st Street	New 2 lane facility	Class II	Complete Grid

Doral Turning Radii Study Results

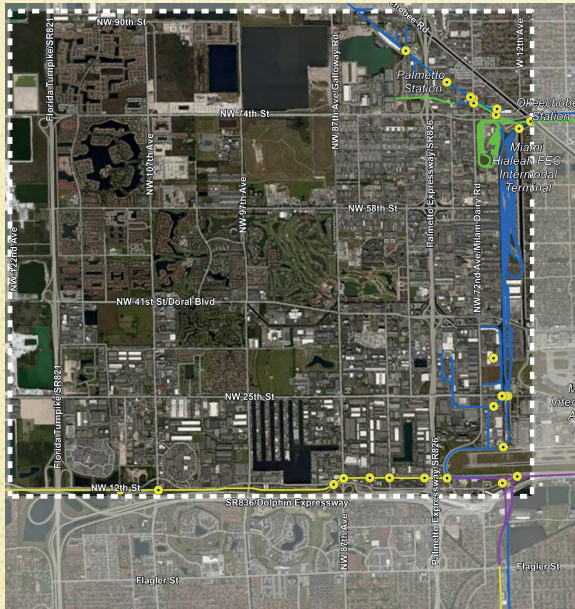
RIGHT TURN INTERSECTION IMPROVEMENT PRIORITY MATRIX													
RIGHT TURN INTERSECTION LOCATION	ADJACENT TO INDUSTRIAL AREA	>10 TRUCKS/HR*	CRASHES REPORTED**	ENCROACHMENT ONTO ADJACENT LANE	ENCROACHMENT ONTO OPPOSING LANE	ENCROACHMENT ONTO PED. FACILITIES	DAMAGE IN ADJACENT RW	SECTION LINE RD/SECTION LINE RD	TURNWAY LESS THAN (2) ADJACENT LANES	TURNW/LESS THAN (2) REEDED LINES	NO. OF FACTORS AFFECTING TRUCK TURNING	PRIORITY LEVEL OF IMPROVEMENT	BUDGET BY COST ESTIMATE OF IMPROVEMENTS***
NW 25 St./NW 97 Ave. SBRT	✓	✓	✓	✓	✓	✓	✓	✓			8	1	\$ 47,000.00
NW 25 St./NW 97 Ave. NBRT	✓	✓	✓	✓	✓	✓	✓	✓			8	1	\$ 36,400.00
NW 36 St./NW 82 Ave. WBRT		✓	✓	✓	✓	✓	✓	✓		✓	7	1	\$ 40,900.00
NW 58 Ave./NW 97 Ave. WBRT	✓	✓		✓			✓	✓		✓	6	2	\$ 39,700.00
NW 58 St./NW 82 Ave. WBRT	✓	✓		✓	✓		✓	✓		✓	6	2	\$ 16,900.00
NW 41 St./NW 97 Ave. NBRT		✓		✓			✓	✓		✓	6	2	\$ 54,900.00
NW 36 St./NW 97 Ave. WBRT		✓	✓	✓			✓	✓			6	2	\$ 39,400.00
NW 36 St./NW 82 Ave. EBRT		✓	✓	✓	✓	✓				✓	6	2	\$ 43,200.00
NW 36 St./NW 79 Ave. WBRT		✓	✓	✓	✓	✓	✓	✓			6	2	\$ 36,000.00
NW 34 St./NW 117 Ave. NBRT	✓	✓			✓			✓		✓	6	2	\$ 12,000.00
NW 58 St./NW 84 Ave. SBRT	✓	✓		✓	✓		✓				5	3	\$ 43,400.00
NW 58 St./NW 82 Ave. SBRT	✓	✓		✓	✓		✓				5	3	\$ 1,600.00
NW 36 St./NW 82 Ave. NBRT		✓	✓	✓	✓	✓	✓				5	3	\$ 2,800.00
NW 34 St./NW 112 Ave. (curved rd.)	✓	✓		✓	✓		✓				5	3	\$ 7,400.00
NW 58 St./NW 82 Ave. EBRT	✓	✓			✓					✓	4	3	\$ 36,600.00
NW 58 St./NW 84 Ave. EBRT	✓	✓			✓					✓	4	3	\$ 33,500.00
NW 58 St./NW 84 Ave. WBRT	✓	✓					✓			✓	4	3	\$ 2,600.00

Source: Draft City of Doral Transportation Master Plan March 2017

Multiple Transportation Owners


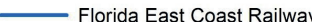



- **Florida Department of Transportation**
 - District 6
 - Florida's Turnpike Enterprise
- **Miami-Dade Expressway Authority**
- **Miami-Dade County**
 - Aviation Department
 - Department of Transportation and Public Works
- **City of Doral**

Project Issues: Multiple Rail Owners



Legend

Rail Owner

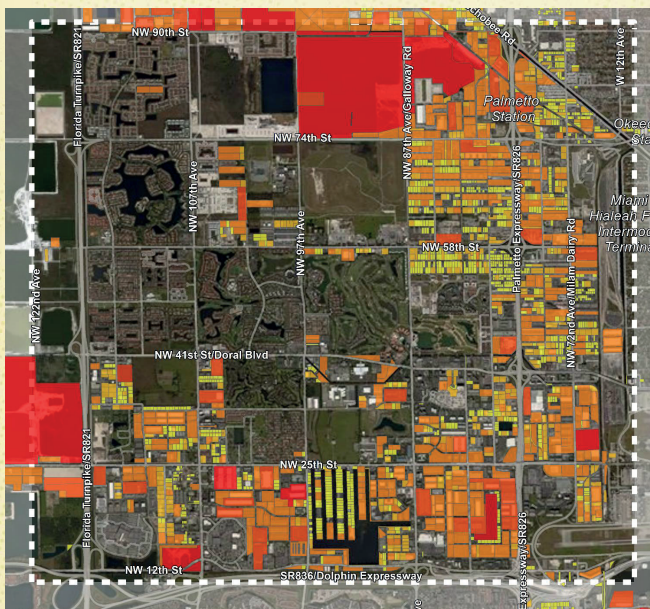
-  CSX
-  Florida East Coast Railway
-  South Florida Rail Corridor
-  Metrorail
-  At-Grade RR Crossing



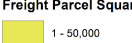


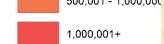

13

PRO
MOTION

Coexistence of Freight and Non-Freight Uses



Legend

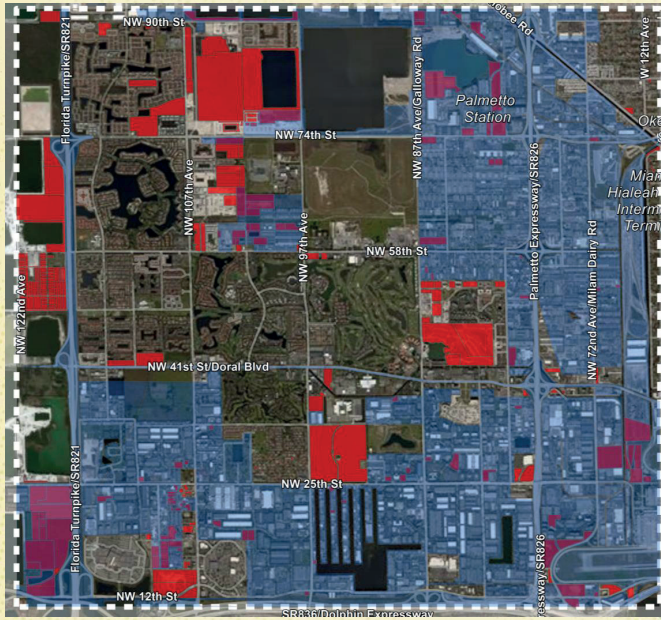
- Freight Parcel Square Feet**
-  1 - 50,000
 -  50,001 - 100,000
 -  100,001 - 500,000
 -  500,001 - 1,000,000
 -  1,000,001+



14

PRO
MOTION

Vacant and Industrial Land



Legend

- FLUM Industrial
- Vacant
- Study Area

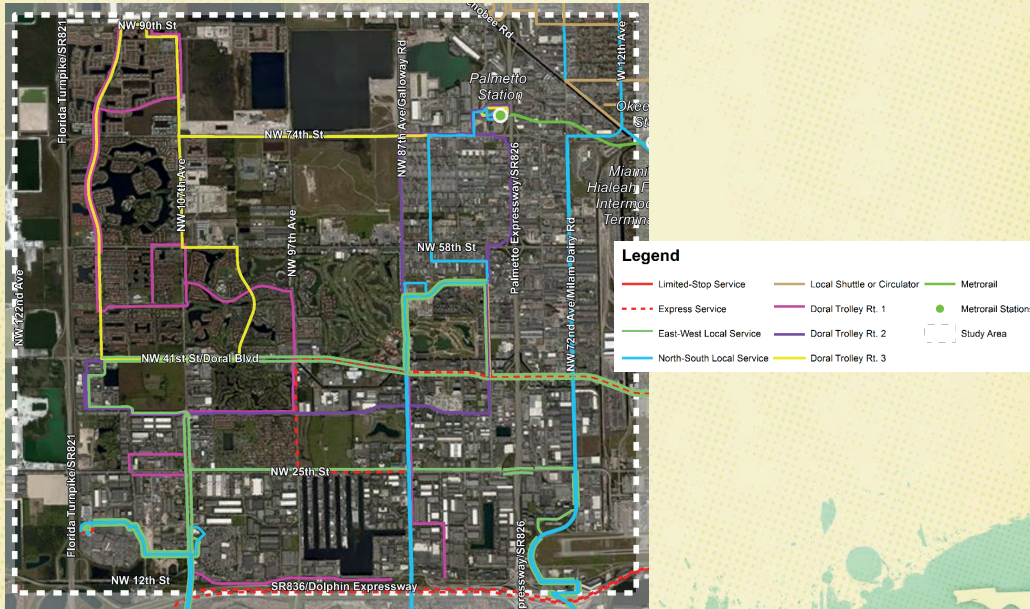
Existing Land Use Acreage Breakdown:
Total Project Area Acreage:
23,103.70

- Airports/Freight Terminals: 460.42 acres
- Industrial: 4,279.80 acres
- Rail: 506 .95 acres
- Vacant acres: 1,743 acres
- Industrial Vacant: 645 acres

Project Issues: Growth in Non-Freight Uses 2017 to 2021

APPROVED DEVELOPMENT	
Sq feet Commercial	4,135,211
Sq feet Warehouse	13,650
Sq feet Municipal	224,790
Hotel Rooms	812
Dwelling Units	14,784
Estimated Pop.	36,964

Transit Services



Historic Traffic Growth 2011-2015

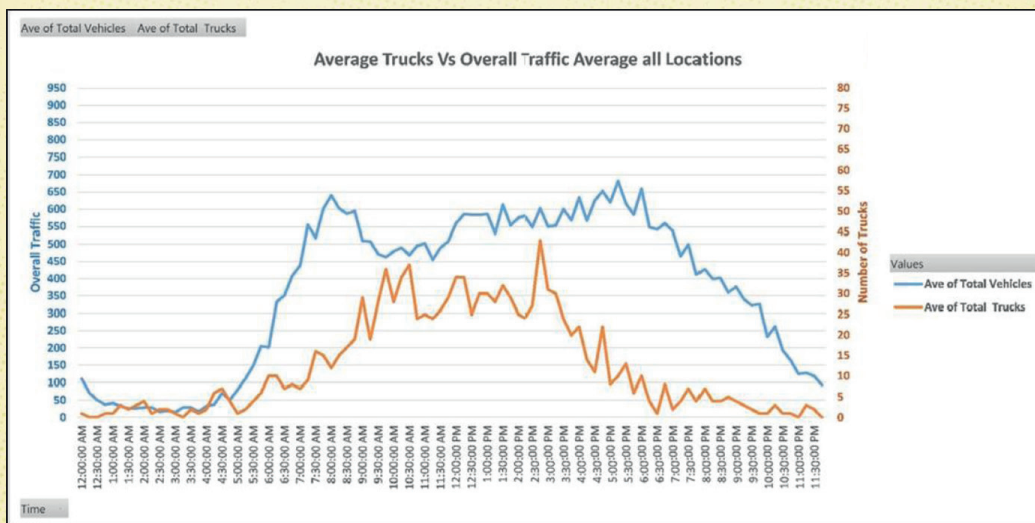
ROADWAY NAME	Station	ROADWAY DESCRIPTION	2015 AADT	2015 T Factor	2015 Truck Volume	2011 - 2015 Historic AADT % Growth Rate	2011 - 2015 Historic Truck % Growth Rate	Truck Rate Minus AADT Rate
NORTH/SOUTH ROADWAY								
HEFT	972526	HEFT/SR-821 M/L, N OF NW 12ST BRIDGE	115,000	7.3%	8,395	6.0%	12.2%	6.2%
	970276	HEFT SB ON RAMP FROM NW 12TH ST, M27F	5,850	7.3%	428	5.4%	10.1%	4.6%
	970272	HEFT NB CD/NB OFF RAMP TO NW 12TH ST, M27B	5,850	7.3%	428	5.4%	10.1%	4.6%
	970273	HEFT NB ON RAMP FROM NW 12TH ST, M27D	9,600	7.3%	701	8.0%	15.0%	7.0%
	970275	HEFT SB OFF RAMP TO NW 12TH ST, M27E	9,600	7.3%	701	-3.8%	3.9%	7.8%
	972230	HEFT/SR-821 M/L, S OF NW 41ST STREET	121,900	7.3%	8,899	6.1%	12.3%	6.1%
	970267	HEFT/SR-821, S OF NW 25TH ST/SR-836	127,592	6.3%	8,039	5.5%	8.8%	3.3%
	970291	HEFT NB OFF RAMP TO NW 41ST ST, M29A	8,700	7.3%	636	3.0%	6.3%	3.3%
	970294	HEFT SB ON RAMP FROM WB NW 41ST ST TO 87471534 GORE, M29D	8,500	7.3%	621	5.0%	6.3%	1.2%
	970292	HEFT NB ON RAMP FROM NW 41ST ST, M29B	8,300	7.3%	606	0.3%	4.7%	4.3%
	970293	HEFT SB OFF RAMP TO NW 41ST ST, M29C	8,300	7.3%	606	-2.4%	0.0%	2.4%
	972269	HEFT/SR-821 M/L, S OF NW 74TH STREET	120,600	7.3%	8,804	6.4%	12.5%	6.1%
	970311	HEFT NB OFF RAMP TO NW 74TH ST, M30A	8,700	7.3%	636	3.0%	6.3%	3.3%
	970314	HEFT SB ON RAMP FROM NW 74TH ST, M30D	8,700	7.3%	636	3.0%	6.3%	3.3%
	970312	HEFT NB ON RAMP FROM NW 74TH ST, M30B	8,300	7.3%	606	10.0%	9.5%	-0.5%
	970313	HEFT SB OFF RAMP TO NW 74TH ST, M30C	8,300	7.3%	606	10.0%	9.5%	-0.5%
972268	HEFT/SR-821 M/L, AT OKEECHOBEE PLAZA	111,500	7.3%	8,140	4.9%	11.2%	6.3%	



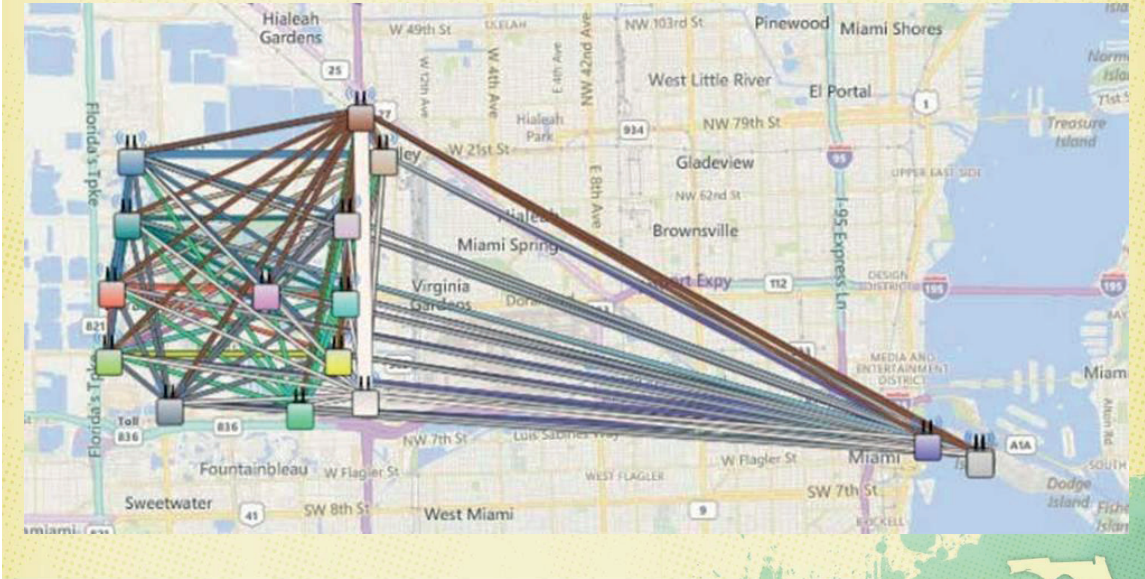
2017 Truck Operations

MAIN ROAD	LOCATION	ALL VEHICLES			TRUCKS			DT Trucks %
		DT	AM PEAK BEGIN	PM PEAK BEGIN	DT	AM PEAK BEGIN	PM PEAK BEGIN	
NW 58 St	East of NW 79 Ave	23,706	7:45 AM	12:15 PM	1,845	10:45 AM	1:30 PM	7.78%
NW 87 Ave	North of 836 Dolphin Expy	47,499	11:00 AM	4:30 PM	941	11:00 AM	12:15 PM	1.98%
NW 12 St	East of Turnpike	38,903	7:45 AM	5:00 PM	1,232	8:15 AM	3:00 PM	3.17%
NW 107 Ave	at NW 14 St	47,552	8:00 AM	4:15 PM	1,332	11:00 AM	1:00 PM	2.80%
NW 107 Ave	North of NW 27 St	35,622	7:45 AM	4:30 PM	1,193	9:45 AM	2:30 PM	3.35%
NW 58St	East of NW 117Ave	1,245	7:45 AM	1:30 PM	26	10:00 AM	12:45 PM	2.09%
NW 36 St	East of Nw 79 Ave	77,788	8:15 AM	3:45 PM	3,086	10:30 AM	1:30 PM	3.97%
NW 97Ave	at NW 33 St	19,167	8:00 AM	5:15 PM	275	8:45 AM	1:00 PM	1.43%
NW 58 St	East of NW 97 Ave	28,120	8:00 AM	4:30 PM	1,302	10:00 AM	1:45 PM	4.63%
NW 97 Ave	North 836 Dolphin Expy	24,895	7:30 AM	5:00 PM	195	9:45 AM	2:30 PM	0.78%
NW 87 Ave	North of NW 25 St	40,924	8:30 AM	4:15 PM	1,638	10:15 AM	2:30 PM	4.00%
NW 107 Ave	at NW 66 St	29,119	7:45 AM	5:15 PM	327	9:45 AM	12:00 PM	1.12%
NW 97 Ave	North of NW 58th St	9,114	7:30 AM	4:45 PM	1,062	9:30 AM	12:15 PM	11.65%
NW 74 St	West of SR 826	37,758	7:30 AM	5:00 PM	4,827	11:00 AM	12:00 PM	12.78%
NW 107 Ave	North of NW 74 St	21,202	7:00 AM	5:15 PM	373	9:00 AM	12:15 PM	1.76%
NW 87 Ave	North of NW 58 th St	18,920	8:00 AM	5:00 PM	1,561	10:00 AM	2:30 PM	8.25%
NW 25th St	Viaduct	5,598	8:15 AM	5:00 PM	1,621	8:30 AM	2:45 PM	28.96%

2017 Truck Operations



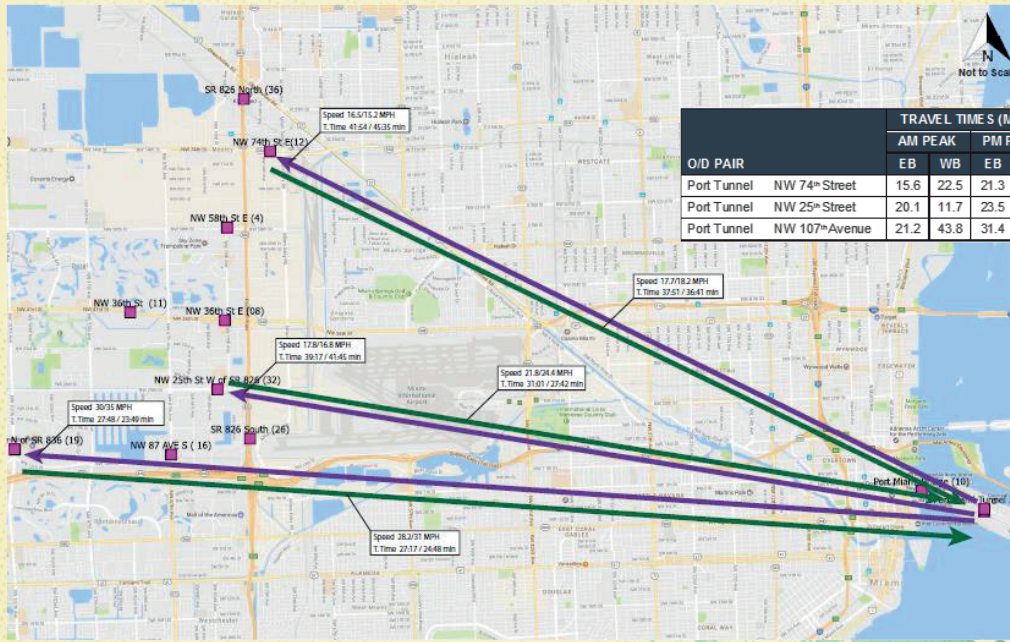
Bluetooth Detection Deployment



21

PRO
MOTION

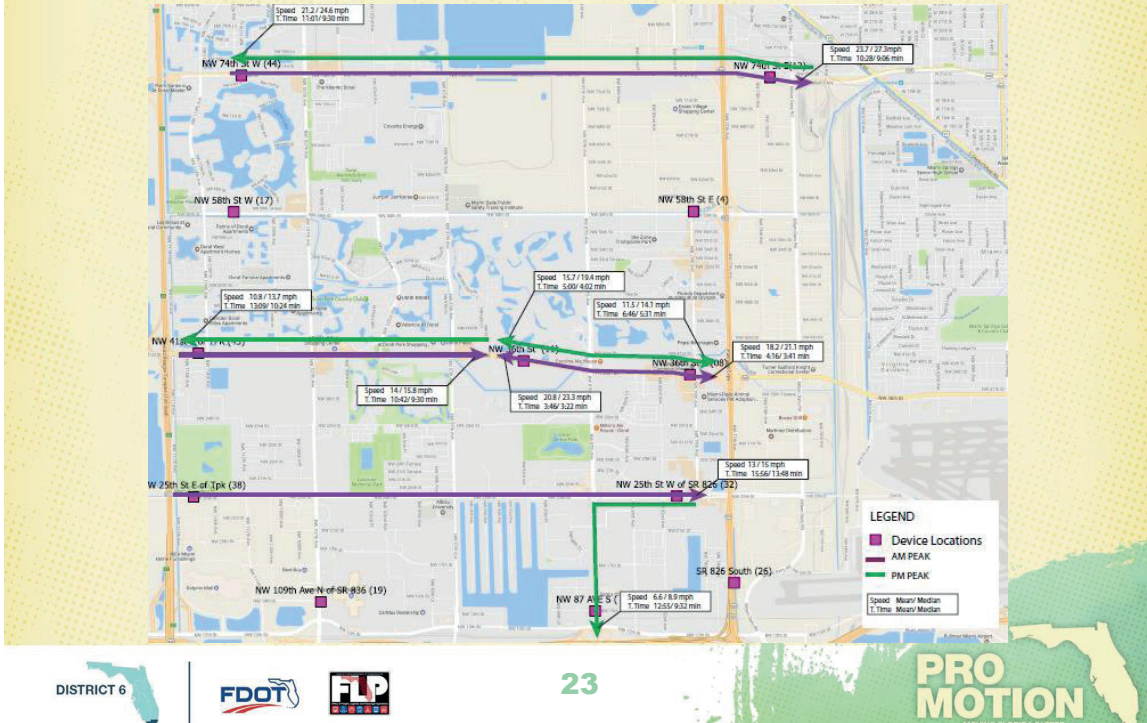
Trips To and From PORTMiami



22

PRO
MOTION

Congested Travel Speeds



Recommendations

The review of traffic and truck volumes and operations in context with existing and planned land uses have identified roadways that are recommended for analysis as freight corridors for this study area. The following roadways are recommended as candidates for Freight Corridor designation and analysis:

- **SR 836**
- **NW 25th Street**
- **Eastern section of NW 58th Street**
- **Eastern Section of NW 74th Street**
- **NW 117th Avenue**
- **NW 122nd Avenue**
- **HEFT**
- **Southern section of NW 97th Avenue**
- **Southern Section of NW 87th Avenue**
- **SR 826**
- **NW 72nd Avenue**
- **NW 12th Street**

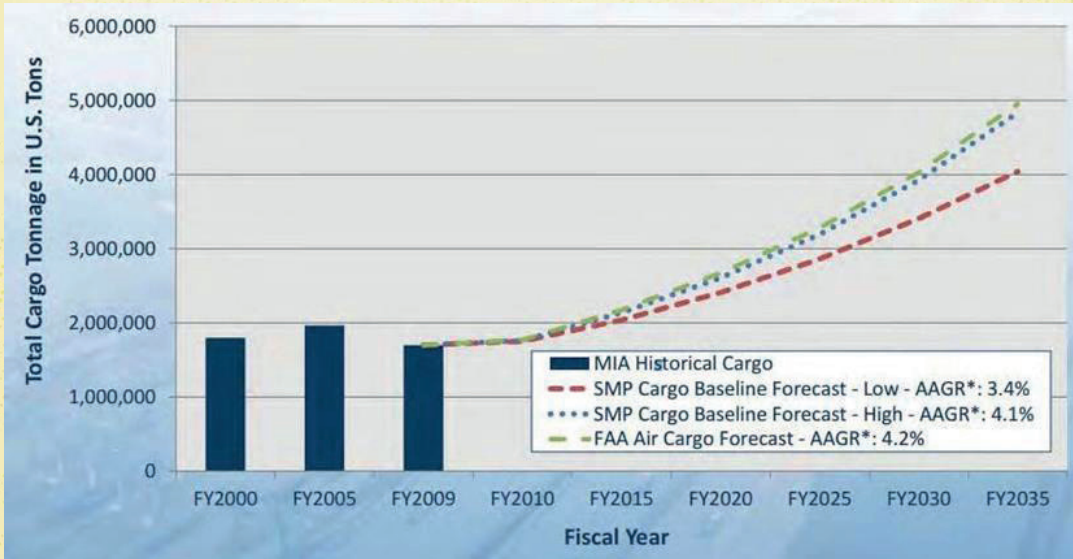
Methodology: Coordination!



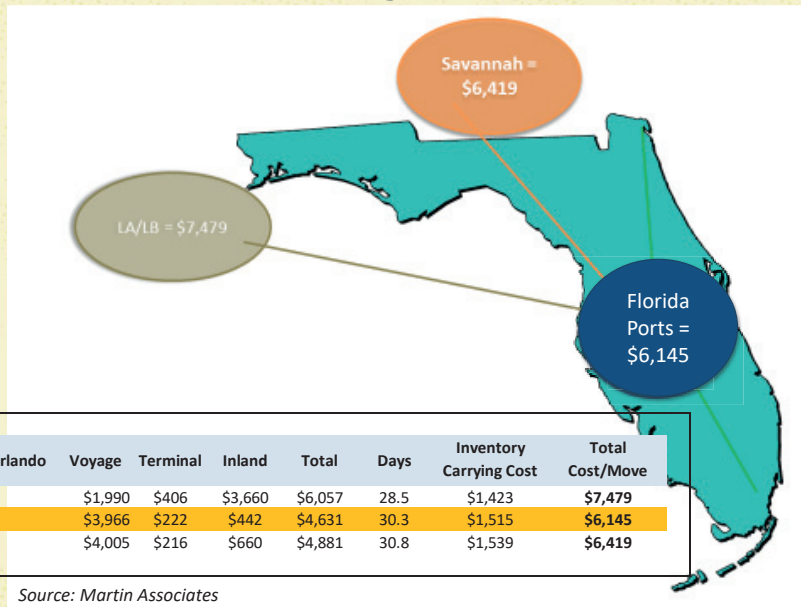
Methodology: Planning Scenarios

- **Freight mobility for expected freight movement**
- **High freight growth scenario**
- **Low freight growth scenario**
- **Cross referencing the growth scenarios across different levels of transportation investment including:**
 - **Current programmed projects – TIP**
 - **Current planned projects – LRTP**
 - **Needed and New projects!**

Methodology: Planning Scenarios



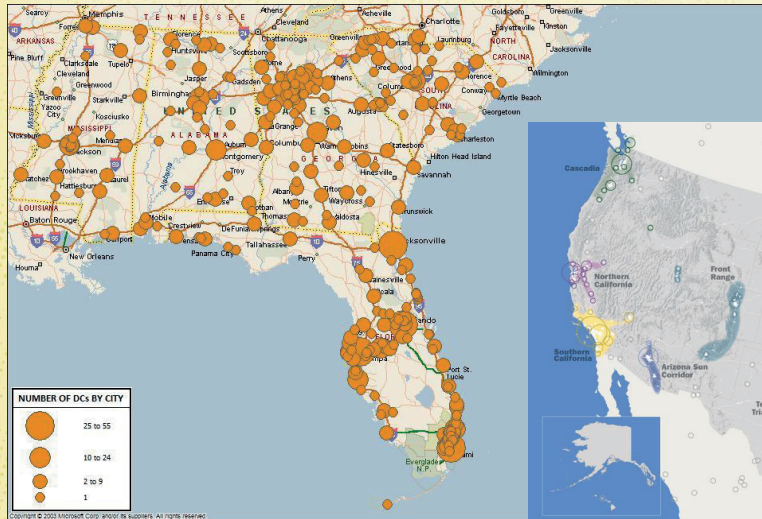
Florida Ports can Provide a Cost Effective Routing to Serve the I-4 Corridor. However, Florida Ports are underserved by ocean carriers.



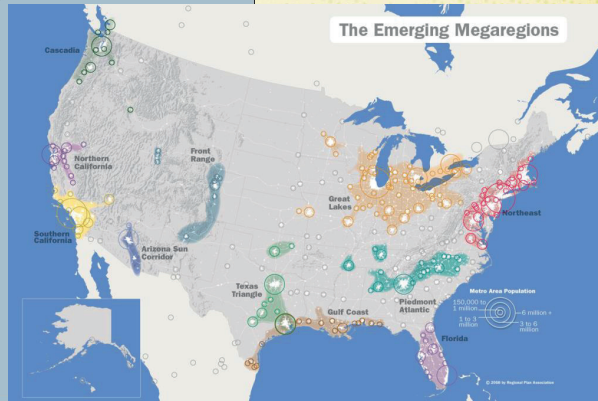
Hong Kong to: Orlando	Voyage	Terminal	Inland	Total	Days	Inventory Carrying Cost	Total Cost/Move
Los Angeles	\$1,990	\$406	\$3,660	\$6,057	28.5	\$1,423	\$7,479
Florida Ports	\$3,966	\$222	\$442	\$4,631	30.3	\$1,515	\$6,145
Savannah	\$4,005	\$216	\$660	\$4,881	30.8	\$1,539	\$6,419

Source: Martin Associates

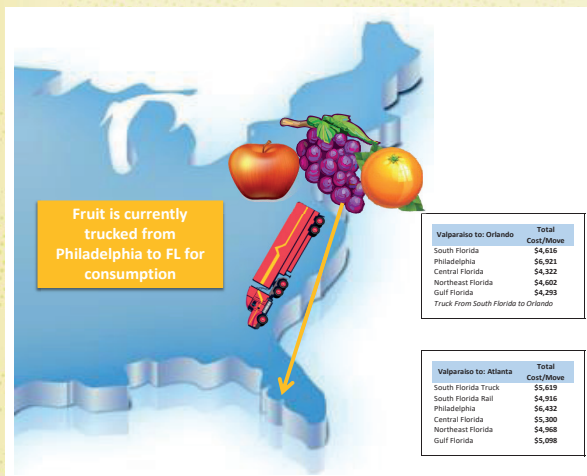
Beyond the I-4, Atlanta and the Southeast are growing markets for distribution and logistics-based activity



Source: Chain Store Guide, National Retail Federation, America2050



Florida Ports Provide a Logistics Cost Advantage to Serve Southeastern U.S. for Containerized South American Perishables



Source: U.S. Census, USA Trade Online, Martin Associates

- Under USDA's APHIS, the (pilot) program allows direct import of select fruits and vegetables from South America into southeastern US ports after undergoing a two-week cold treatment and obtaining the necessary unloading clearances
- Increased containerization of fruits such as grapes, citrus, pears and apples

Next Steps

- **Stakeholder outreach**
- **Complex Transportation Modeling**
- **Development of Alternatives and Recommendations**
- **Purpose and Needs**
- **Programming**



QUESTIONS





PRO MOTION

MOVING FLORIDA FASTER

FreightMovesFlorida.com

Carlos A. Castro, District Freight Coordinator
Modal Development Office
Florida Department of Transportation, District 6
(305) 470-5238 | Carlos.Castro@dot.state.fl.us

Jeff Weidner | MARLIN Engineering, Inc.
(954) 205-2471 | jweidner@marlinengineering.com

DISTRICT 6 | FDOT | FLP

MIA MEETING OCTOBER 5, 2017

Summary

Doral Area Freight Plan – FM# 437945-1-22-01 Planning and Conceptual Engineering (PACE) Study Progress Meeting – Contract No. C-9S79

October 5, 2017 9:00 am
Miami-Dade County Aviation Department Meeting Summary



Attendees:
Jose Ramos, MDAD
Ammad Riaz, MDAD
Emir Pineta, MDAD
Pete Ricondo, MDAD Consultant
Kevin Walford, MD TPO
Michael Williamson, Cambridge Systematics
Jeff Weidner, MARLIN Engineering

Supportive of the SMART Plan connections

All surrounding roadways are critical to MIA operations: 12th Street, 36th Street, 25th Street, 72nd Ave

Opportunities for more connectors to the west including 21st St but need to cross FEC

Perception of cargo security issues to the west –

- Have added lighting and security personnel
- The more efficient we are at moving freight and people/trucks in/out of the cargo area the more secure it will be
- Trucking parking and staging is a huge issue here
- Trucks arrive ahead of schedule and have nowhere to go
- Constant requests from tenants for truck staging/parking

Completed Master plan goes beyond property line

Railroad tracks restrict growth

Last piece of the Master Plan is the Cargo Optimization, Redevelop and Expand (CORE) plan – to double volume and facilities

Growth is expected to double – continue to use that metric for planning. Plan horizon is 2035.

Challenge - How do we deal with older facilities and build newer ones

Know that they are going to double but need the transportation facilities to handle it (key for support of our planning efforts to get cargo in/out of MIA area)

CORE is fluid and a living document – make it better

Reviewed the phases of CORE Plan

Expansion plan includes a direct connect ramp to Viaduct

Forecast will be complete in November

Master plan FAA funding includes a GIS mapping update of airport property

Ecommerce is a big challenge as it will mean more traffic – 20 25% annual growth

Potential of shifting some uses to UPS, Amazon, commercial operations to Opa Locka and Tamiami

Public opposition to commercial ops at Opa Locka
Opportunities to utilize west 1/3 of drainage parcel for truck staging and parking and shift drainage to the RPZ
Can we use SIS for truck parking
Autonomous vehicles will require more space for parking

Action Items: MDAD to provide

SMP MIA Cargo Warehouse Requirement Summary
CORE Plan Ultimate Scenario – rollout map
CORE Powerpoint Presentation
Historic cargo data by value and commodity

1.

JOHN DOHM MEETING OCT 10, 2017

Summary

Doral Area Freight Plan – FM# 437945-1-22-01 Planning and Conceptual Engineering (PACE) Study Progress Meeting – Contract No. C-9S79

October 10, 2017 10:00 AM
John Dohm



Attendees:

John Dohm, Florida Transatlantic Holdings, LLC., Infinity Commercial Real Estate
Jeff Weidner, MARLIN Engineering

- Meeting was held interactively at MR. Dohm's desk reviewing numerous data bases, trend reports and GIS maps
- Focused on Existing, Under Construction, Proposed Development and Under Restoration Development comparing Doral with Countywide information
- Reviewed map of Doral Draft Alternatives
- Jist of discussion was that development within Doral for warehousing, manufacturing and distribution center space is very low. The area is pretty much built out except for new residential, commercial and office development.
- Mr. Dohm pointed out the new developments in the Medley area along the HEFT and shared a map of all the approved Freight related developments along with the America's Mall development in triangle shaped area bounded by the HEFT to the west, I-785 to the east and NW 138th Street to the South.
- Freight related land development is booming in NW Dade and running out of land and rates per square foot keep going up.
- We discussed areas west of the HEFT and north of 12th Street and Mr. Dohm indicated that freight related development was occurring their and that it is a good next place for more freight related development.
- Mr. Dohm created screen shots throughout the conversation and forwarded them along with spreadsheets and data after the meeting. See dropbox link below:
- https://www.dropbox.com/s/ir9ql4brbors06u/Doral_MapOverviews_10-10-17.zip?dl=0

TOWN OF MEDLEY MEETING OCT 10, 2017

Summary

Doral Area Freight Plan – FM# 437945-1-22-01 Planning and Conceptual Engineering (PACE) Study Progress Meeting – Contract No. C-9S79

October 10, 2017 11:30 AM
Town of Medley Meeting Summary



Attendees:

Jorge Corzo, Town of Medley
Jeff Weidner, MARLIN Engineering

Reviewed Executive Summary Town of Medley Final Report
Mr. Corzo requested that FDOT send him a copy of full report
Reviewed map of Doral Draft Alternatives

- Filling in the grid in the area between Doral and Medley is critical
- The roadway network wasn't planned, developed incrementally
- Developments were built in disconnected way that disrupts a grid roadway network
- Mr. Corzo pointed out the Lopefra property east of 87th between 74th St and 90th St., good opportunity for a railyard
- Mr. Corzo pointed out that 0th Street needs to be connected to 81st Road and then to 79th place to create a new north south connector
- Mr. Corzo pointed out there are no corridor or r/w requirements for when the lakes are filled in for development. We discussed the need for a policy to create an east/west north/south collector system when lakes are filled.
- Review the NW 107th Ave truck restrictions in Doral and the potential to extend NW 117th Ave to 116th Way. Mr. Corzo was supportive but pointed out the conflicts with Turnpike Interchanges

Transit is important to the Town, need workers to take alternative modes, get more people to use Metro Rail [Palmetto Station], Stewart Robertson with Kimley-Horn has a mobility study underway

NOVEMBER 2017 FTAC MEETING PRESENTATION

DORAL AREA
SUBAREA FREIGHT MOBILITY
IMPROVEMENT PLAN
FM# 437945-1-22-01
Carlos Castro, FDOT D6 Freight Coordinator
Miami-Dade Freight Transportation Advisory Committee
March 14, 2018

Presentation Outline

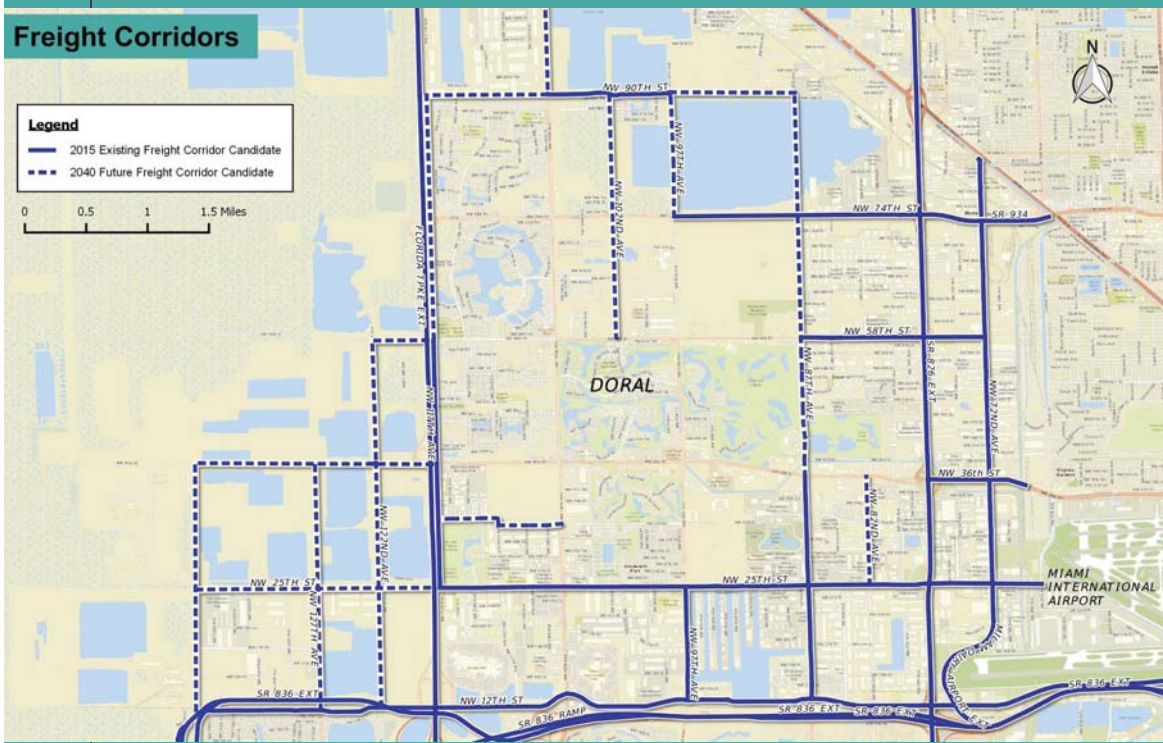
- Purpose/Scope
- Identification of Freight Corridors
- Corridor Alternatives Analysis Results
- Freight Diverse Area
- Intermodal Alternatives
- Recommendations
- Q & A

Scope of Services

- The project will be performed within the framework of a Planning and Conceptual Engineering (PACE) study with the purpose of advancing freight/intermodal projects.

Short-, mid- and long-term projects will be identified for advanced programming to NEPA.

Freight Corridors



Metrics and Scenarios

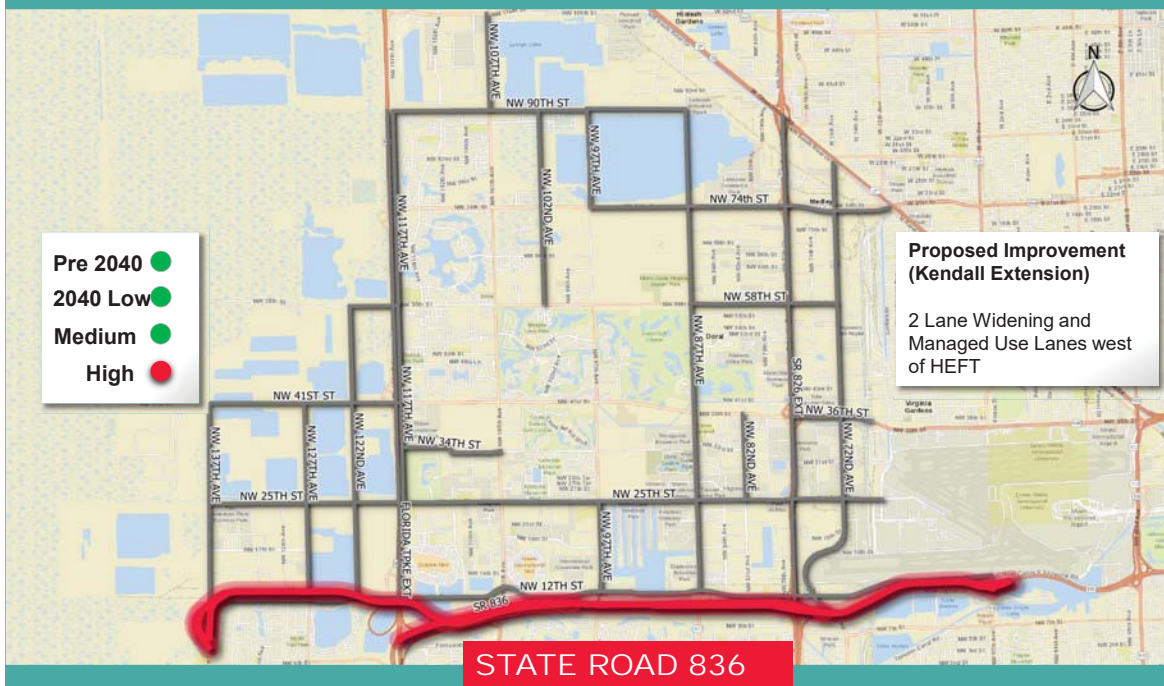
Planning Scenarios

- Cost Feasible Plan 2021 to 2040
- 2040 Low Growth Planning Scenario
- 2040 Medium Growth Planning Scenario
- 2040 High Growth Planning Scenario

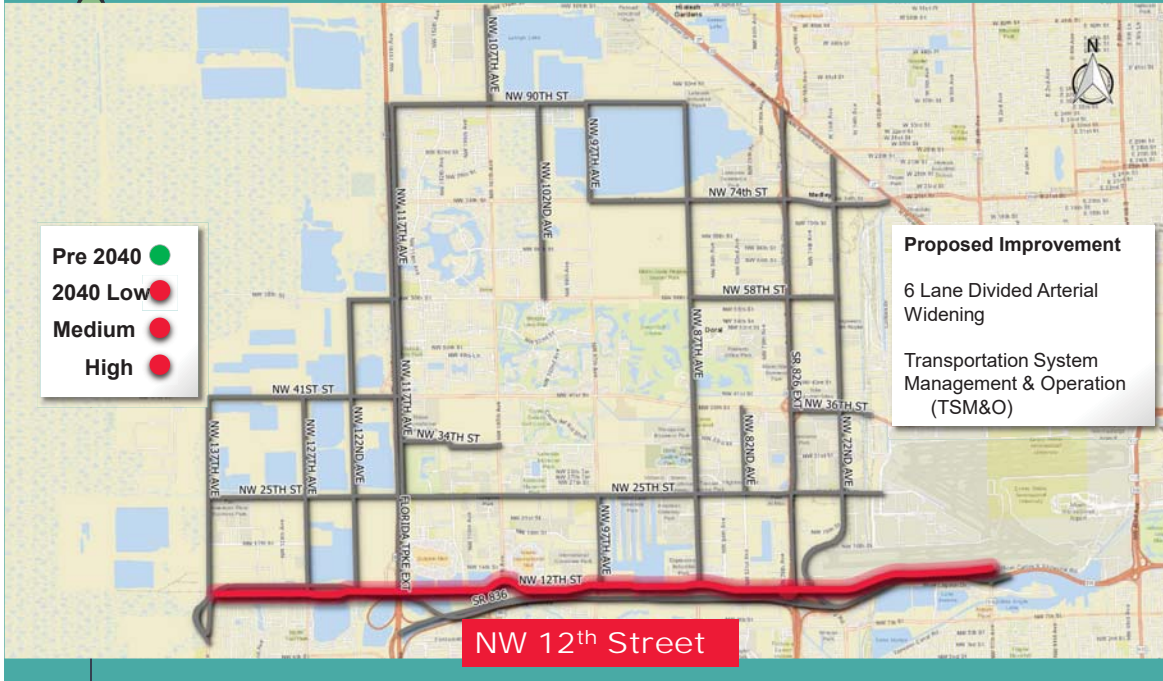
Evening Peak Period Volume to Capacity (V/C) Ratio

- V/C Ratio < 1.0
- V/C Ratio 1.01 to 1.20
- V/C Ratio > 1.21

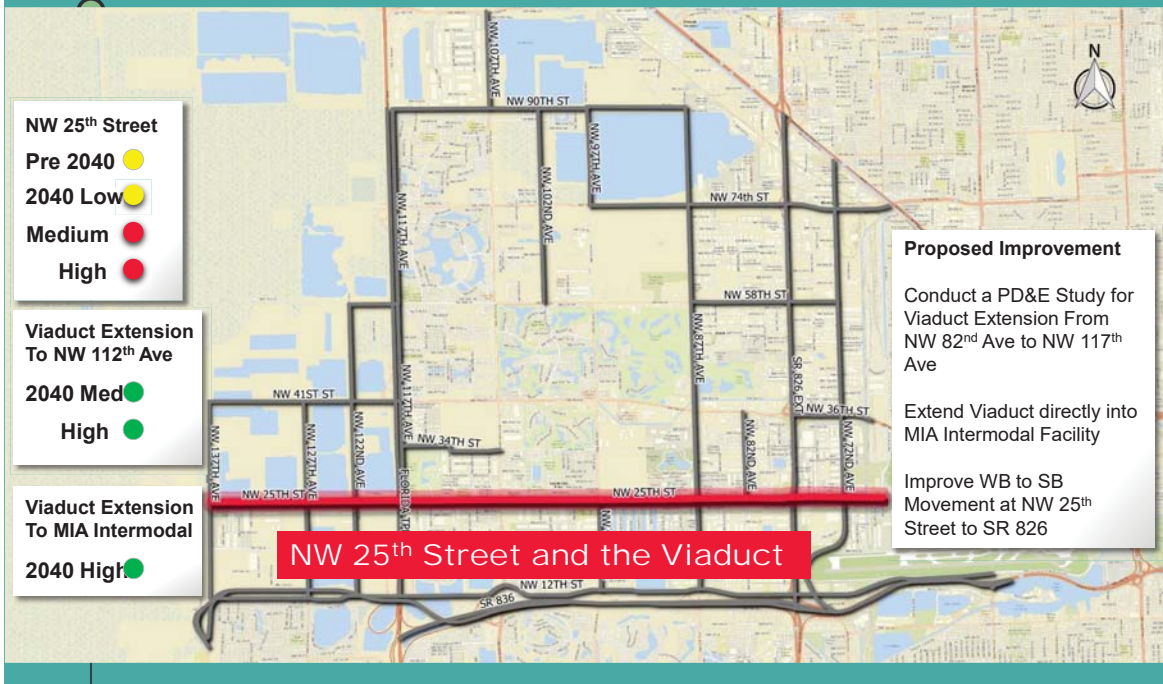
Corridor Analysis and Recommendation



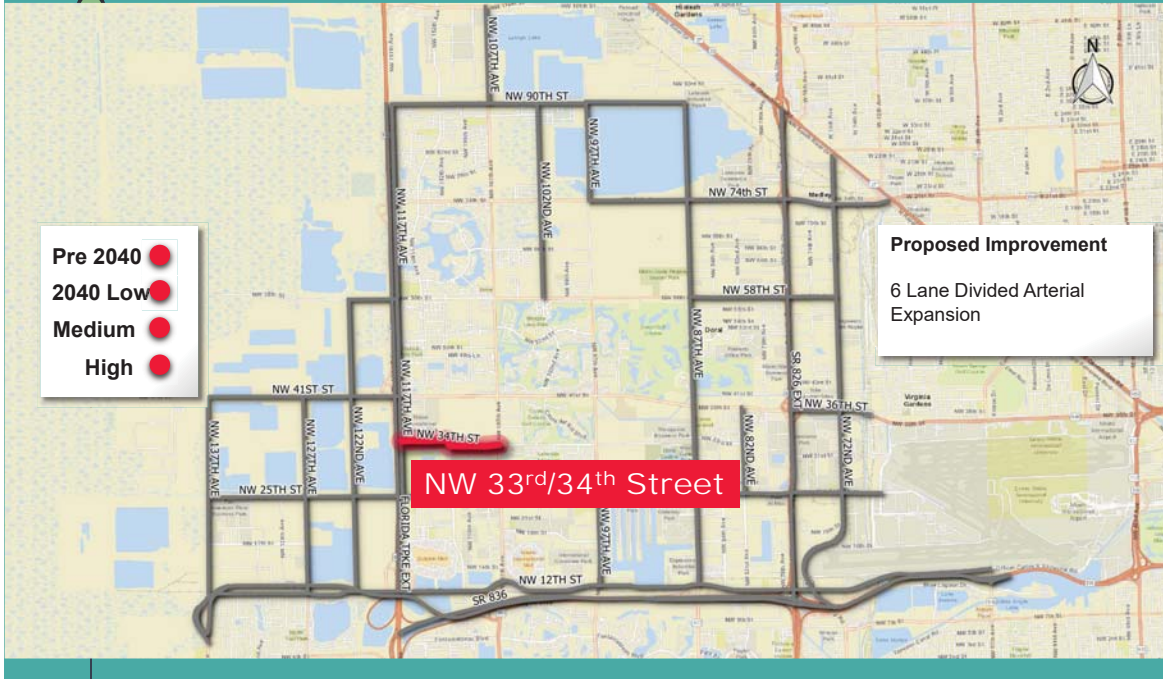
Corridor Analysis and Recommendation



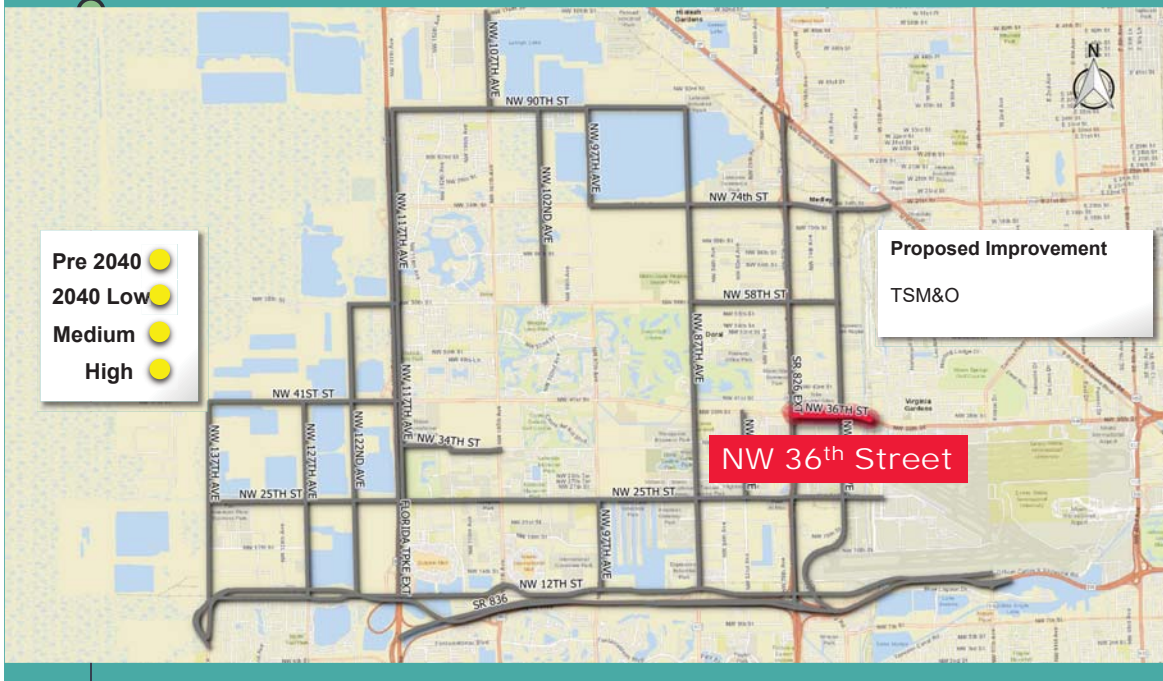
Corridor Analysis and Recommendation



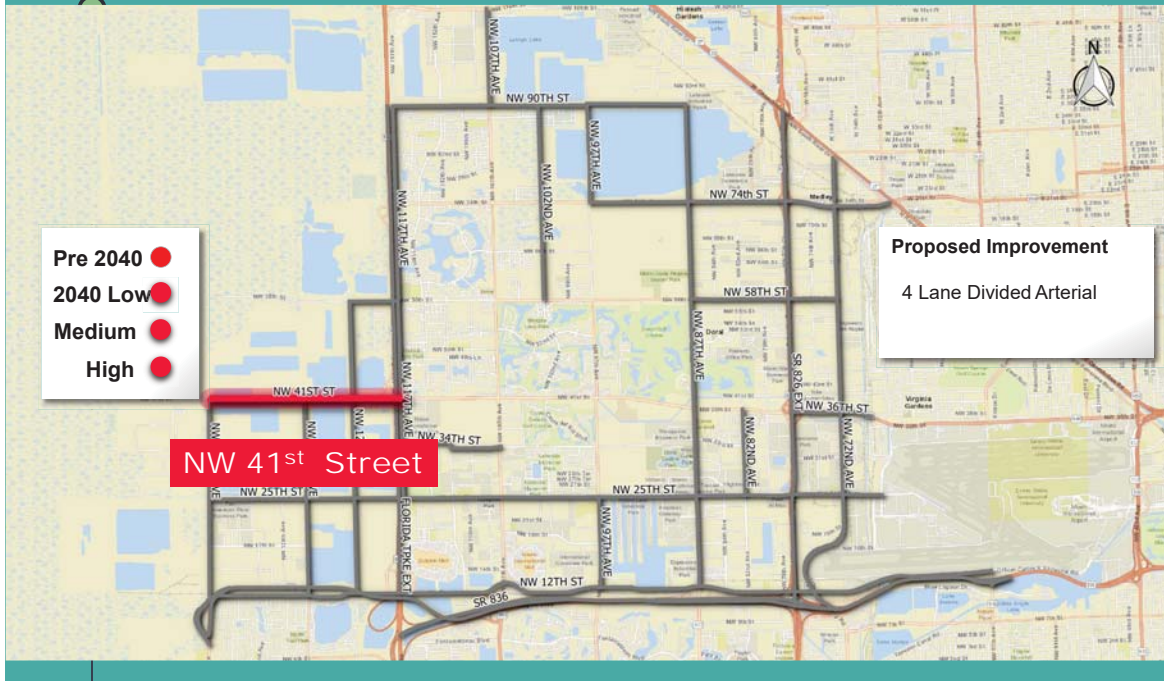
Corridor Analysis and Recommendation



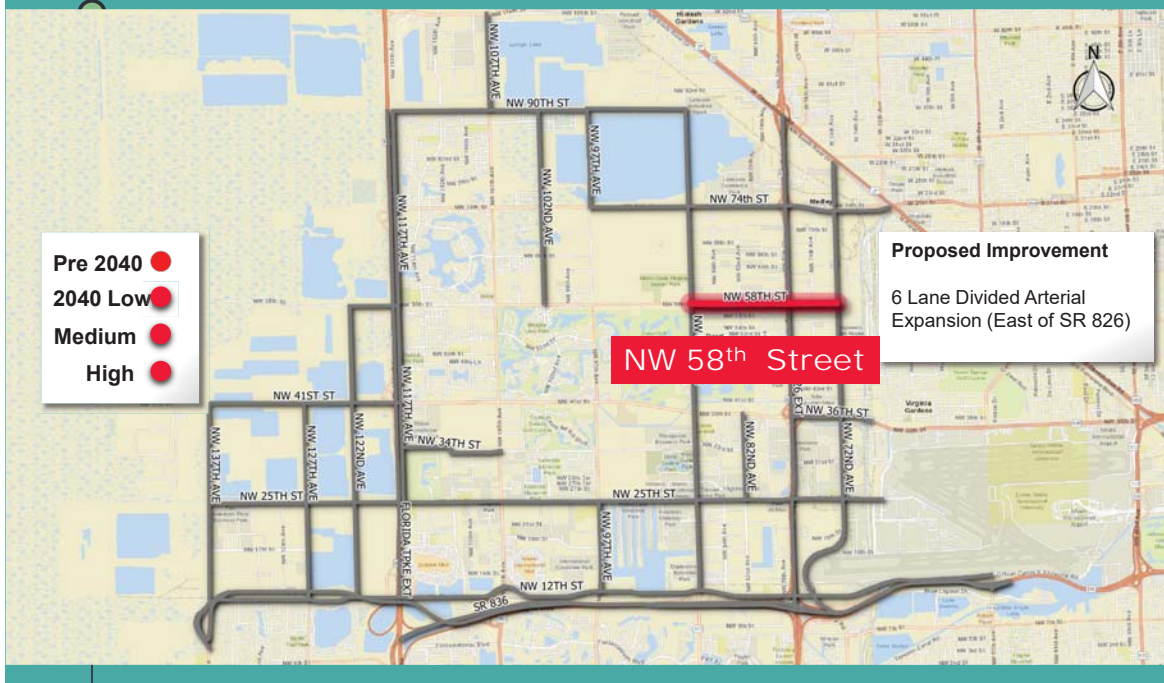
Corridor Analysis and Recommendation



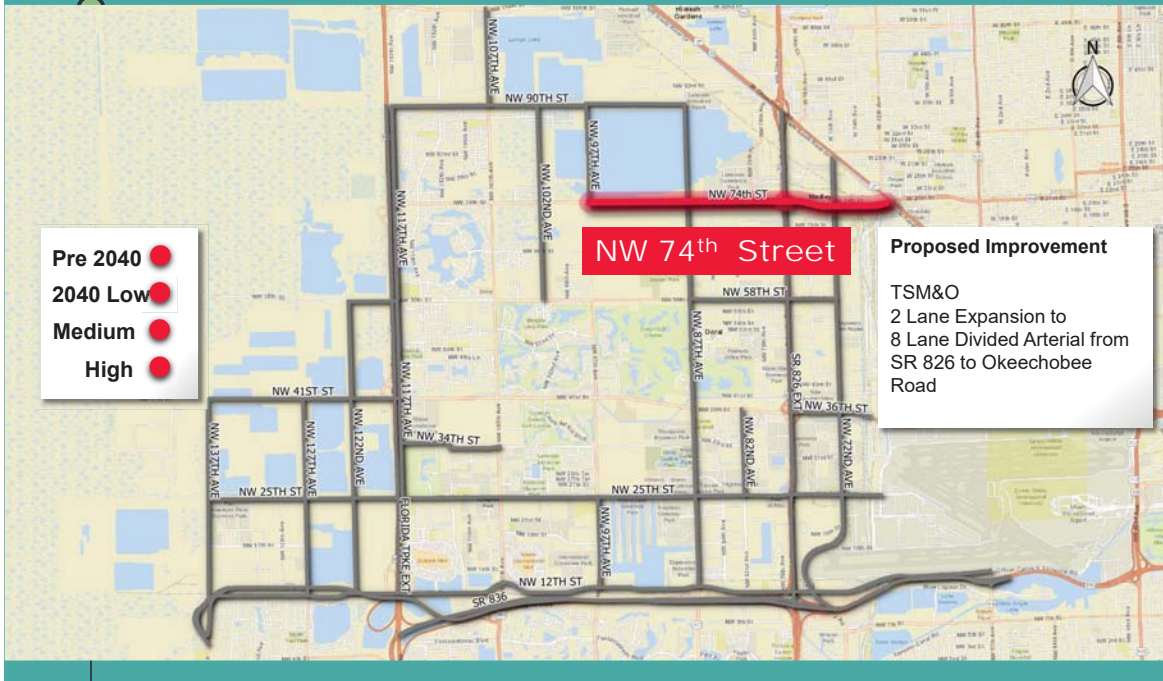
Corridor Analysis and Recommendation



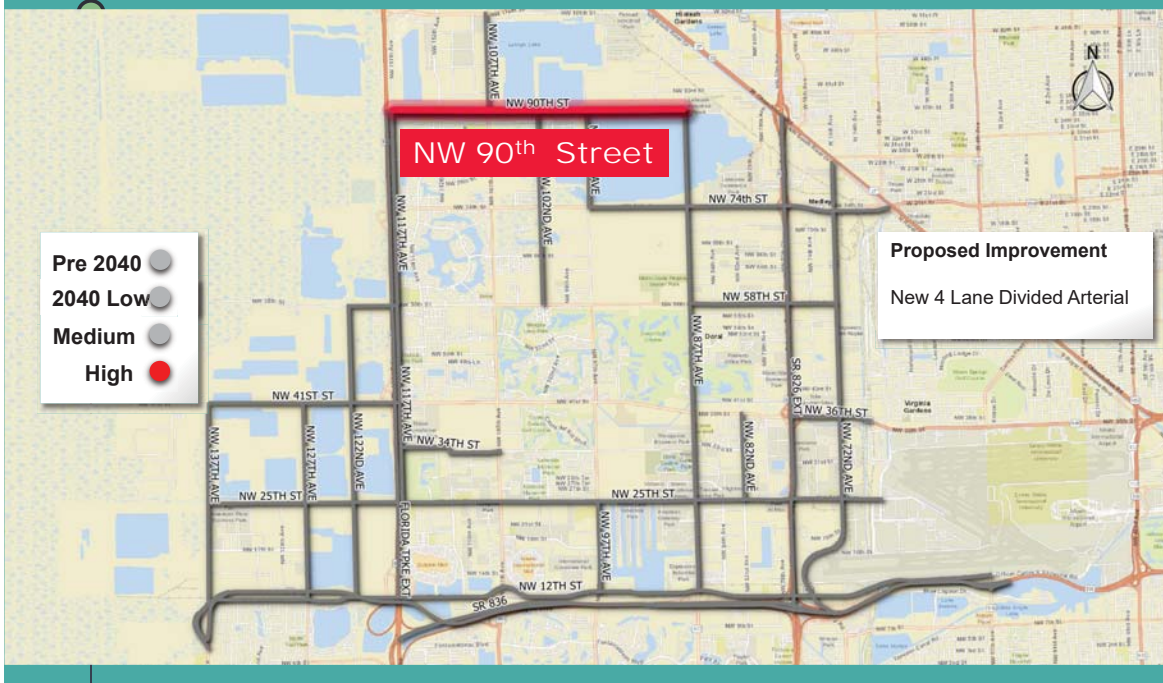
Corridor Analysis and Recommendation



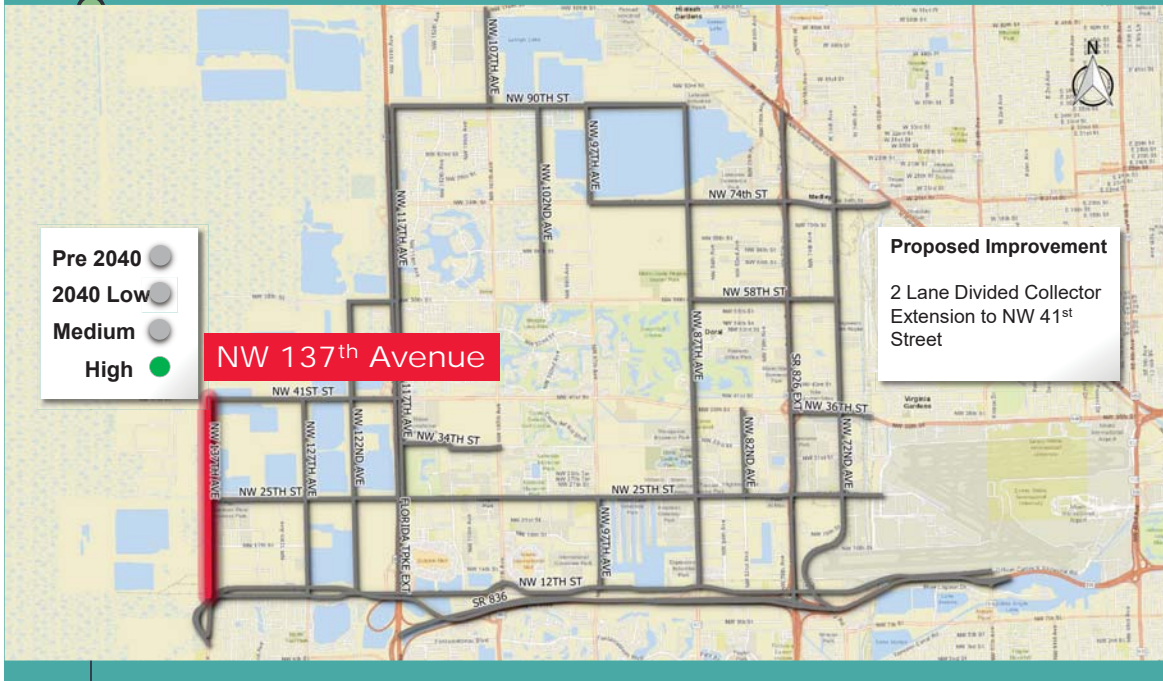
Corridor Analysis and Recommendation



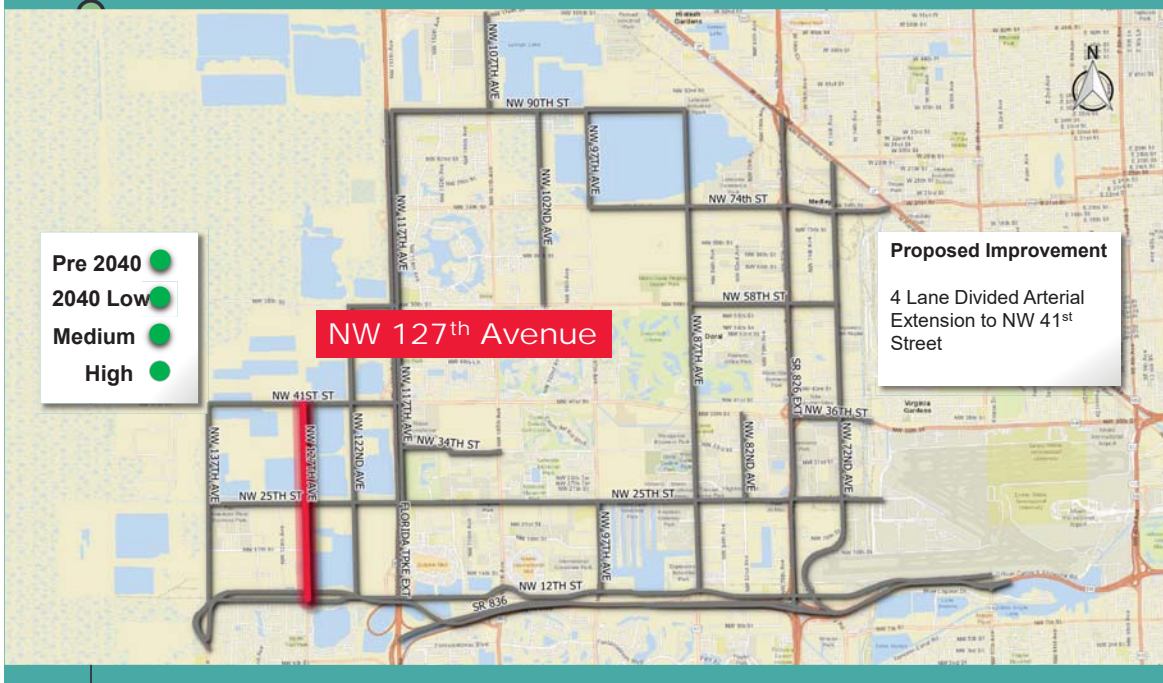
Corridor Analysis and Recommendation



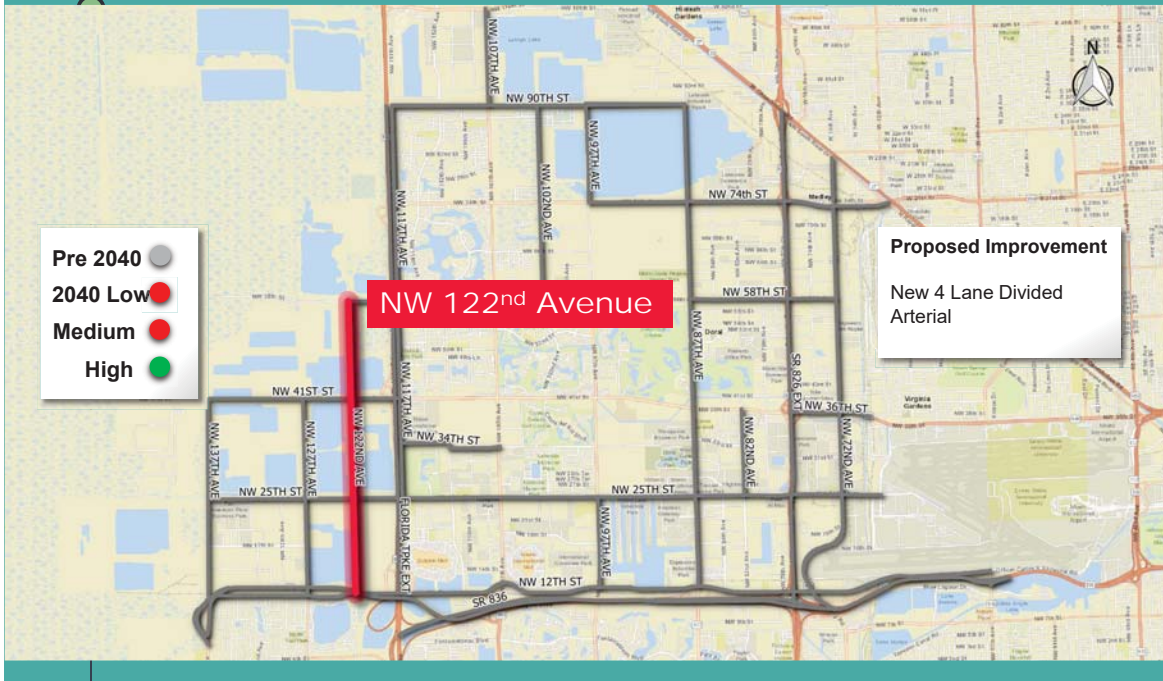
Corridor Analysis and Recommendation



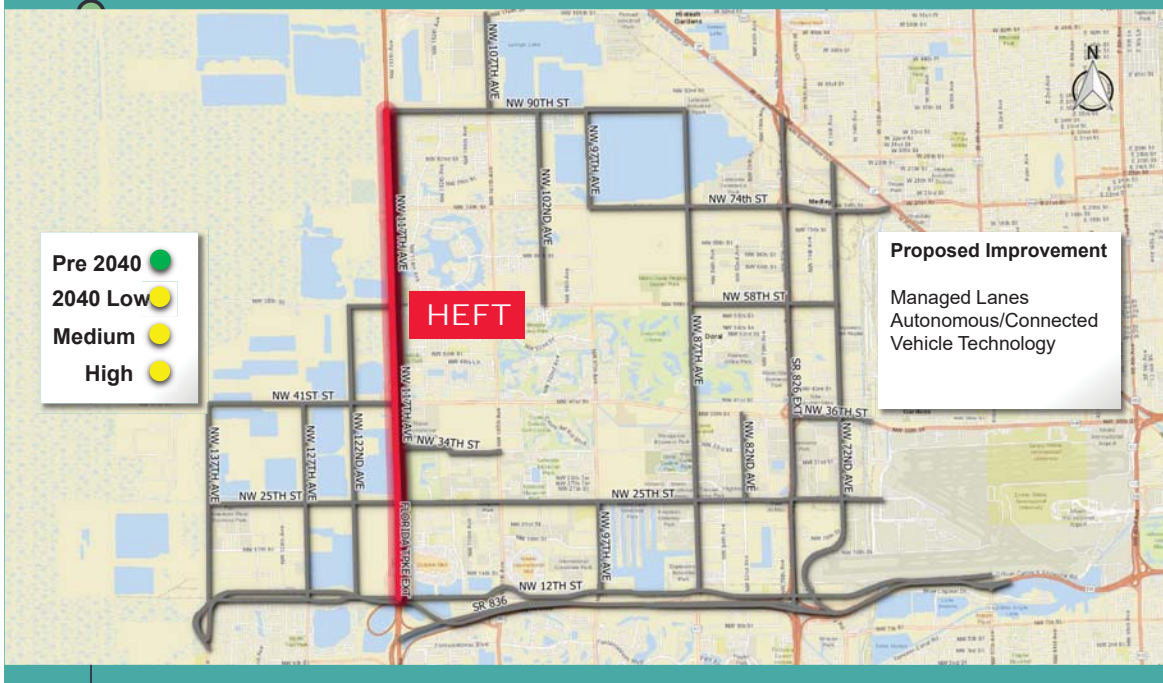
Corridor Analysis and Recommendation



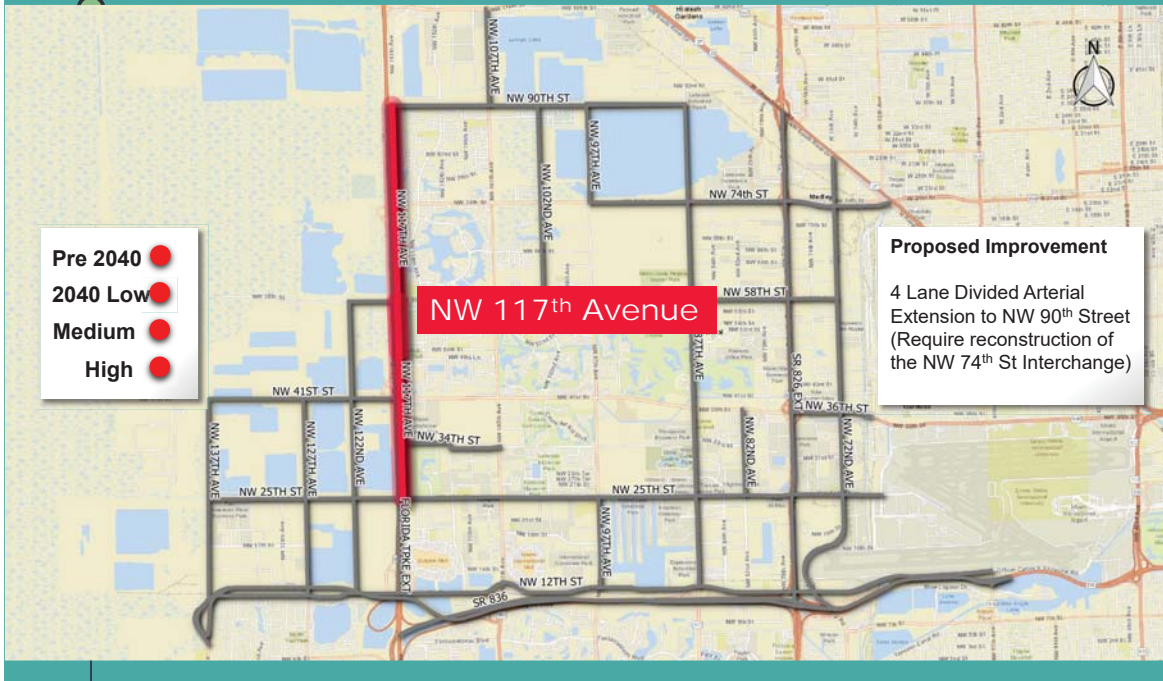
Corridor Analysis and Recommendation



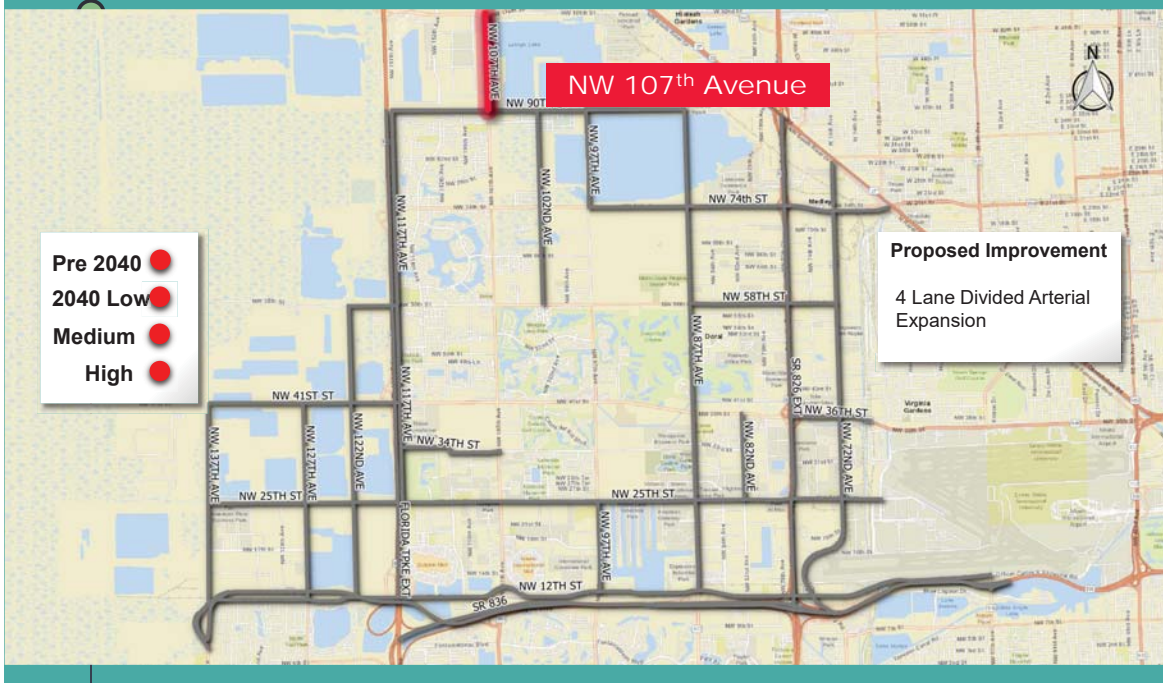
Corridor Analysis and Recommendation



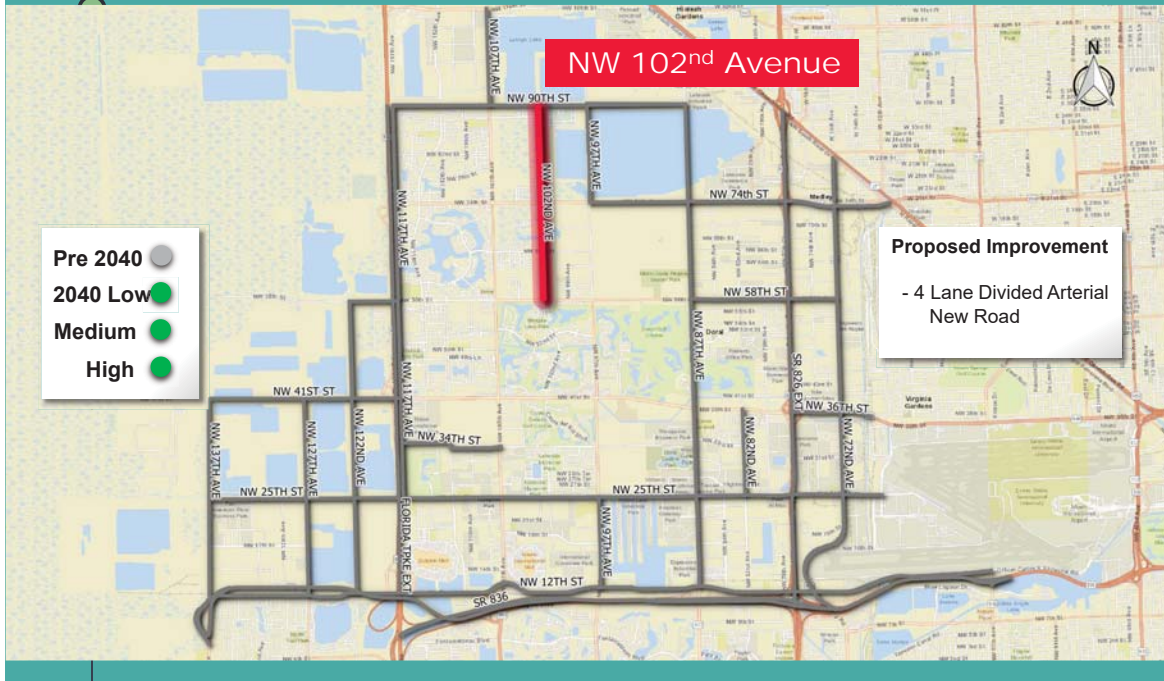
Corridor Analysis and Recommendation



Corridor Analysis and Recommendation

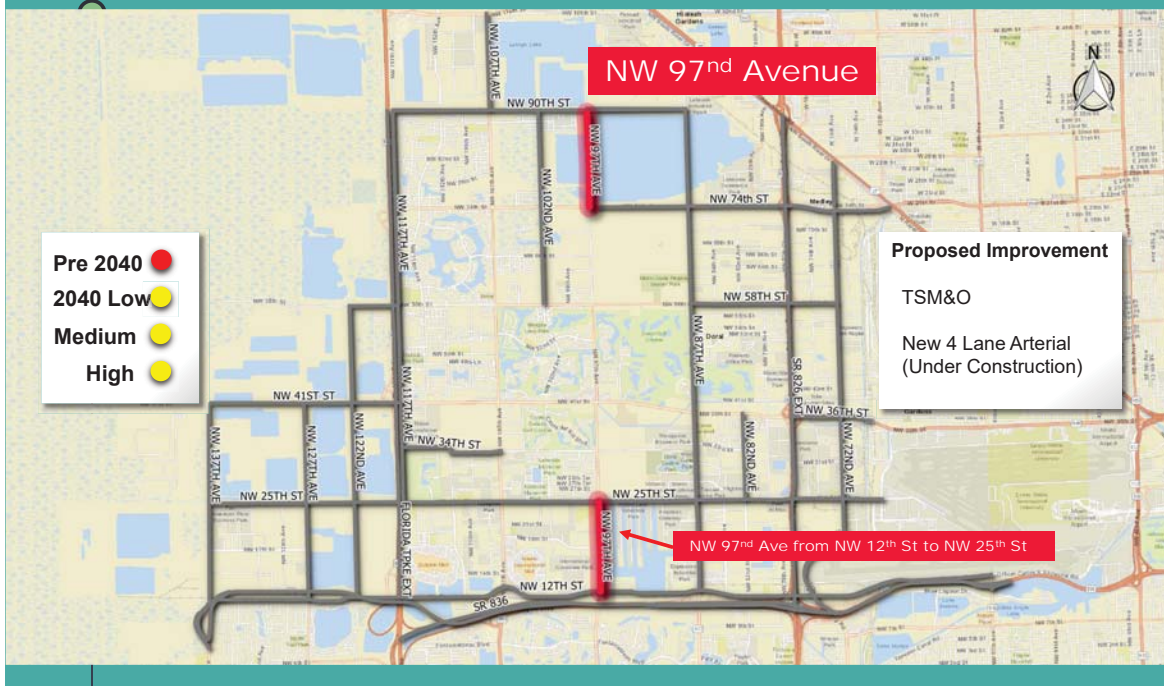


Corridor Analysis and Recommendation



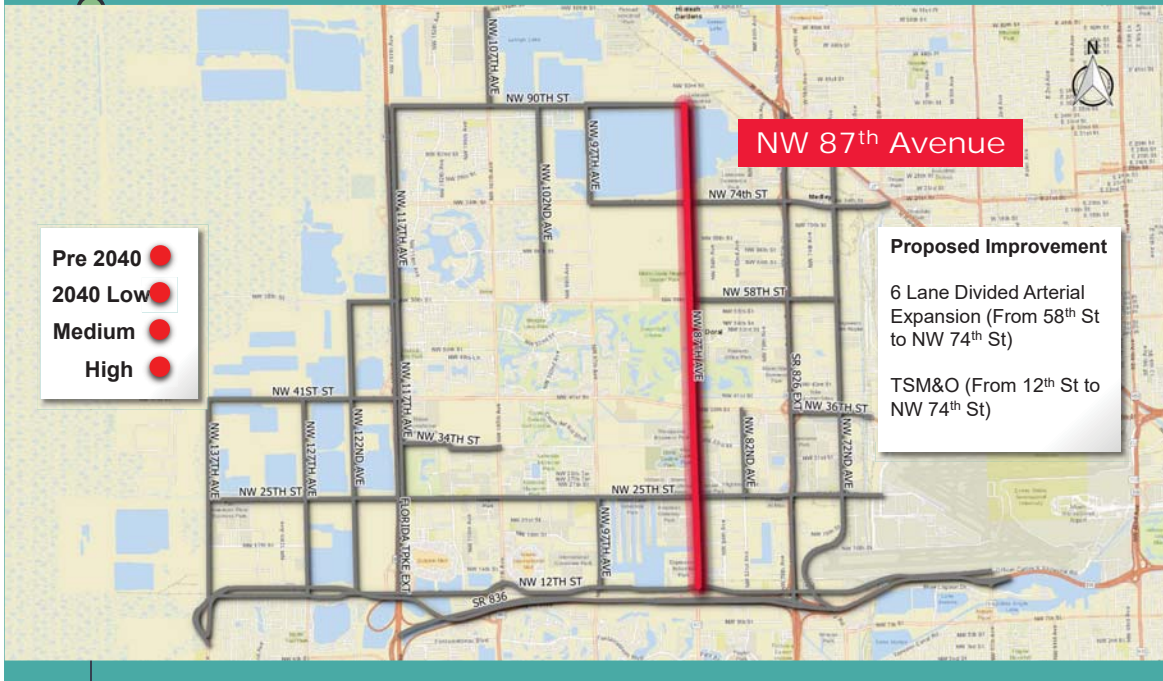
21

Corridor Analysis and Recommendation

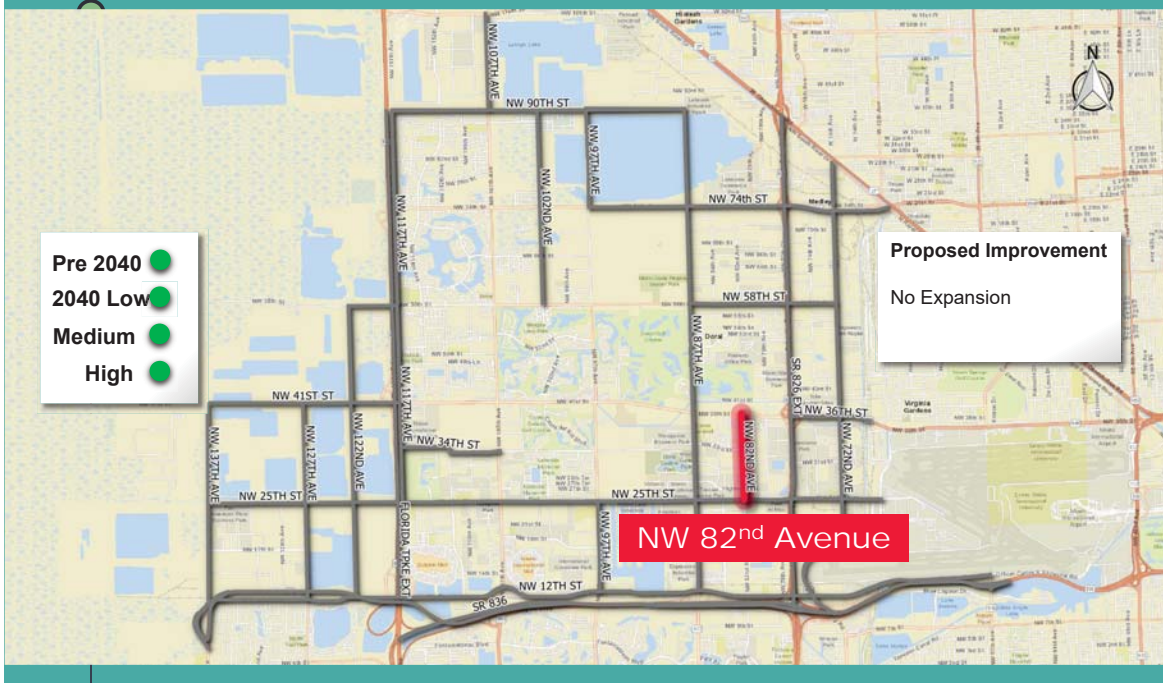


22

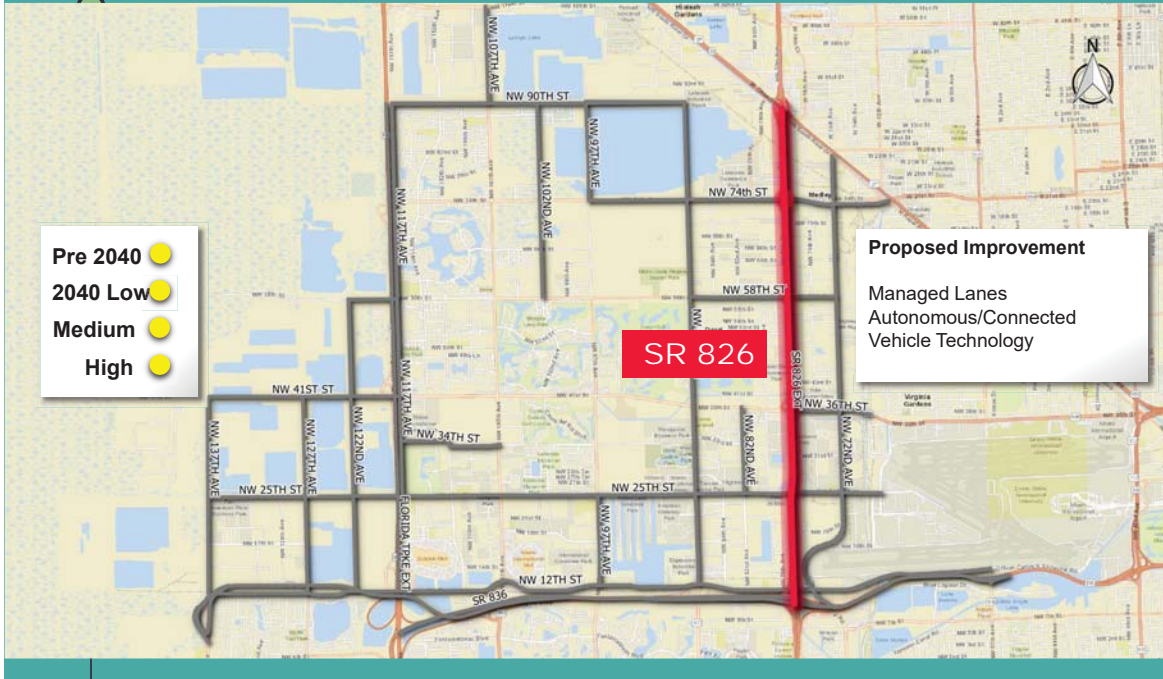
Corridor Analysis and Recommendation



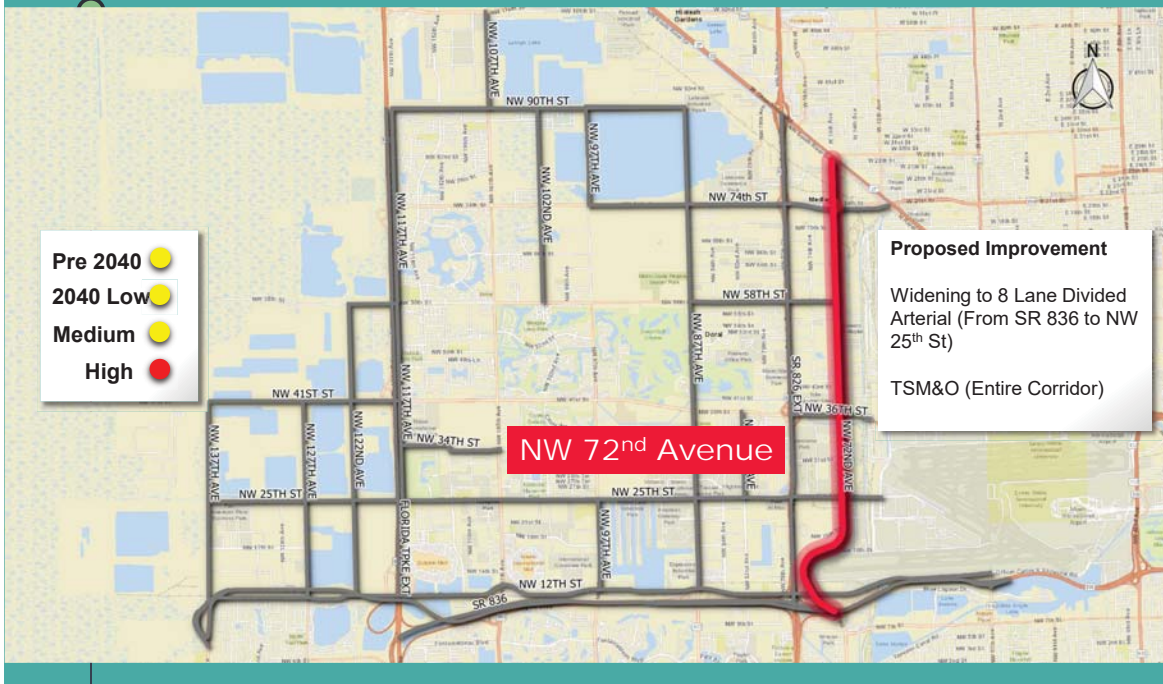
Corridor Analysis and Recommendation



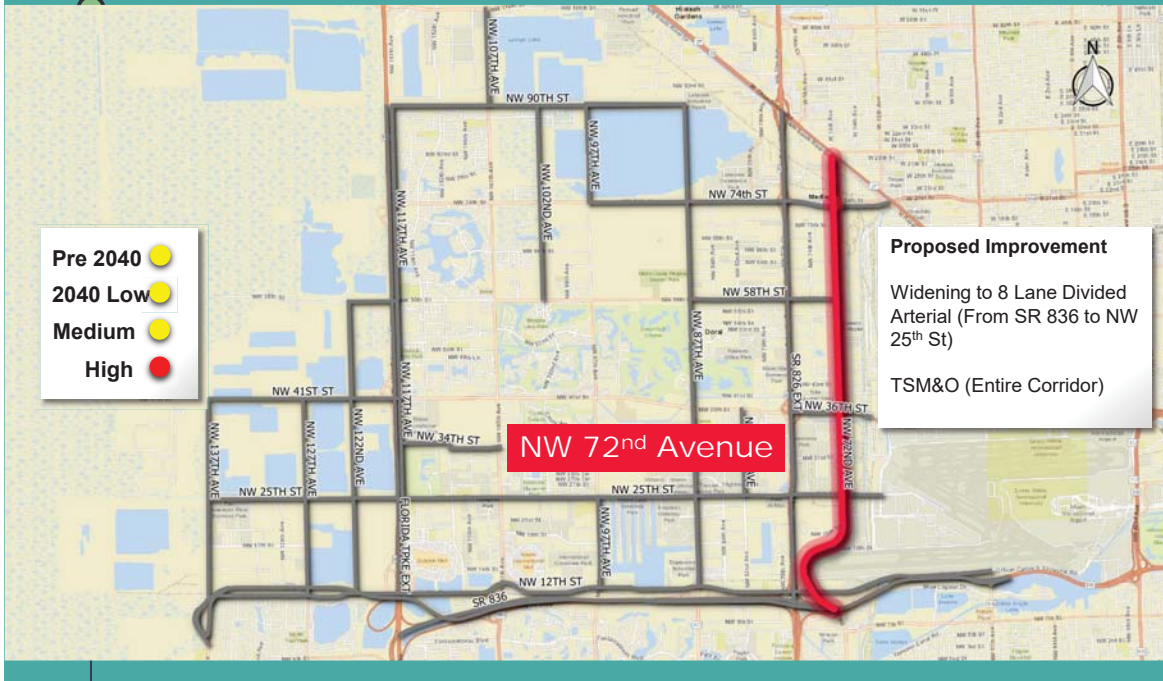
Corridor Analysis and Recommendation



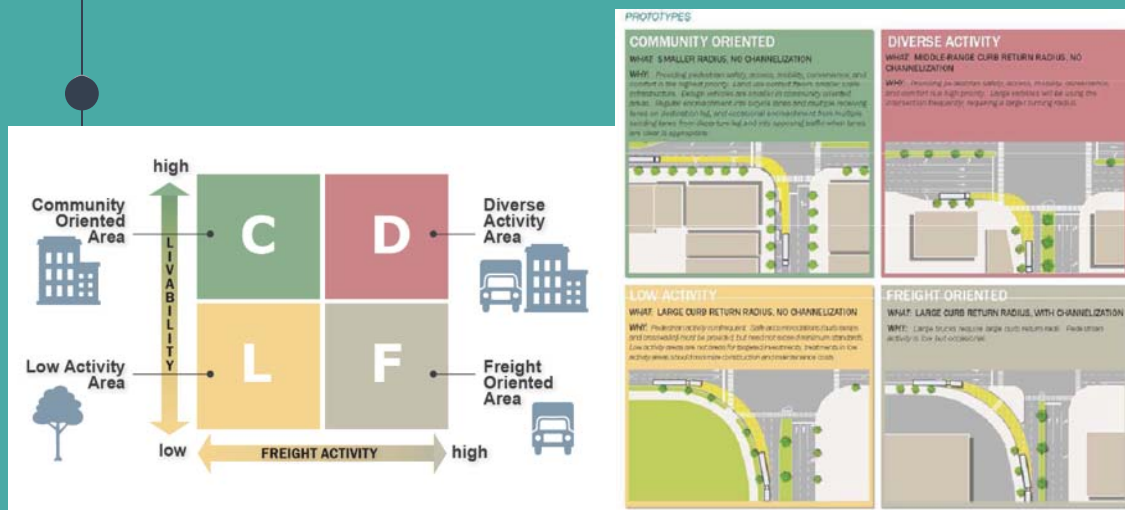
Corridor Analysis and Recommendation



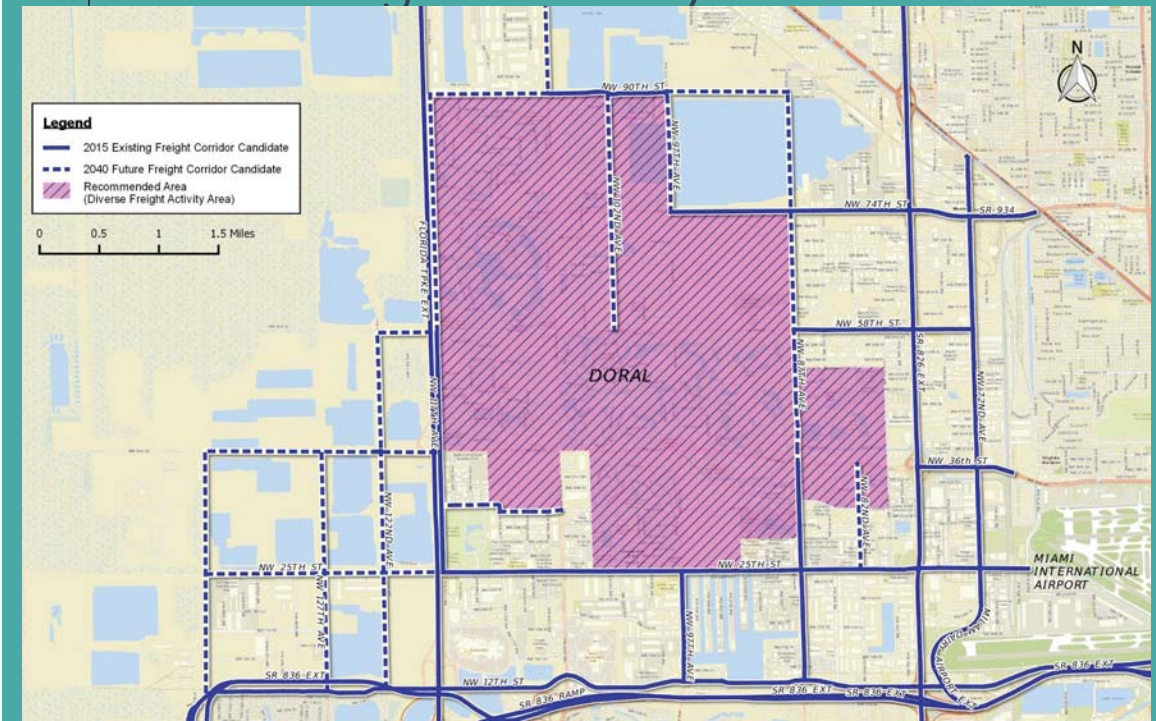
Corridor Analysis and Recommendation



Freight Related Design Considerations



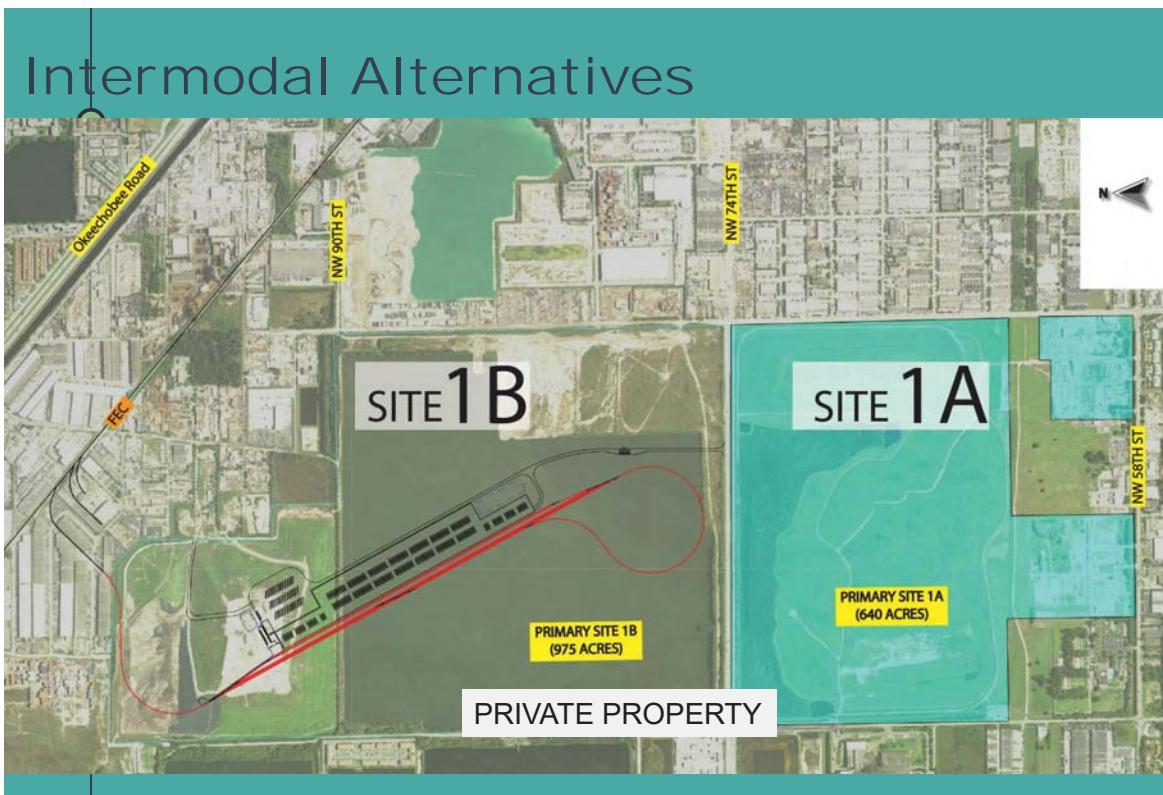
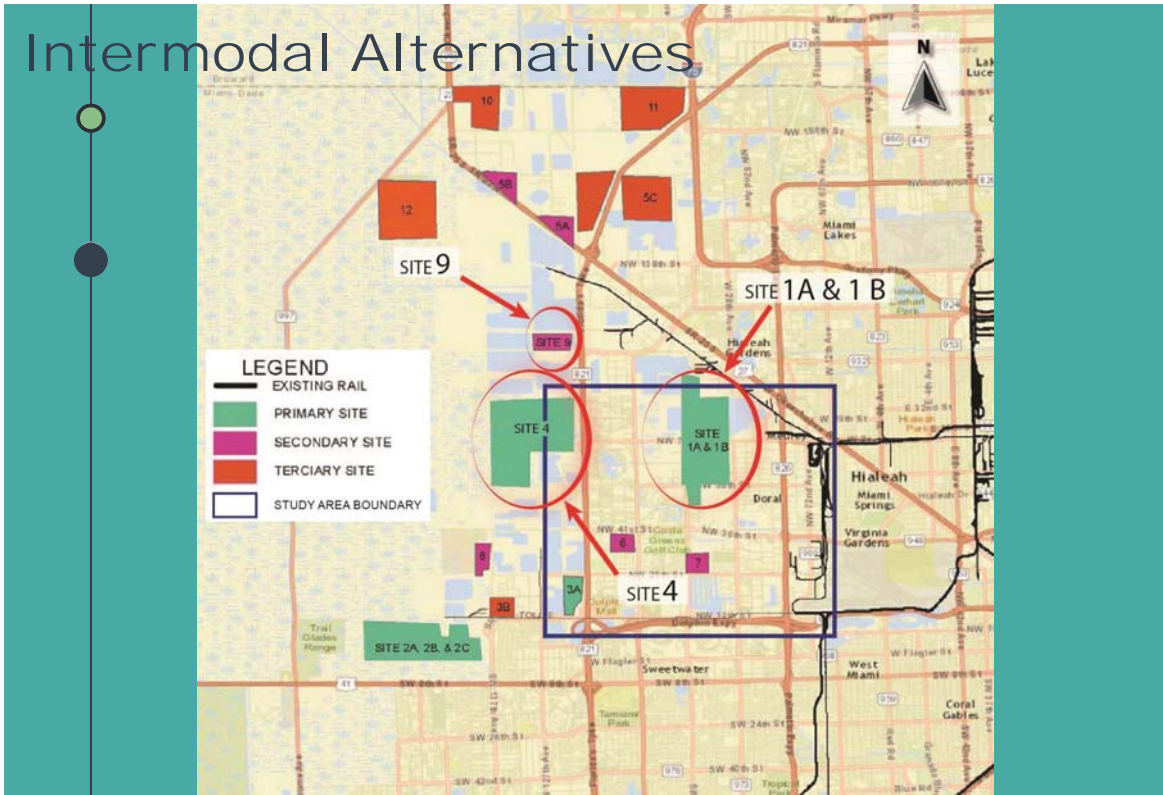
Diverse Freight Activity Area



DISCLOSURE on PRIVATELY OWNED PARCELS

The Florida Department of Transportation (the Department) wishes to emphasize that this study (FM No. 437945-1-22-01) is a planning level assessment designed to provide information on potential transportation projects to support freight related infrastructure. The following section includes a review of properties that have been under review by Miami-Dade County that may have the potential for development as an Inland Terminal. Note that some of these properties are privately owned and all the proposals include extensions of privately operated Railroads connecting to those properties.

The proposals provided in this study are for informational purposes for the private sector, specifically land owners, railroad operators and potential developers of such facilities and to facilitate partnerships to advance the development of such facilities and services.

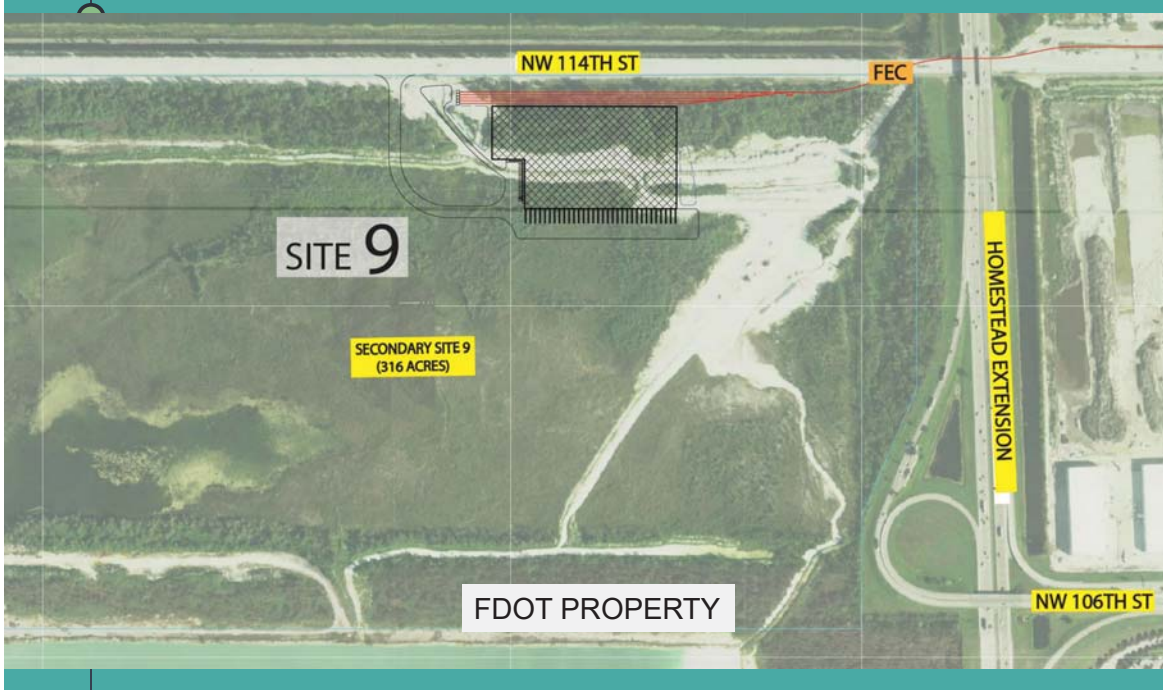


Intermodal Alternatives



33

Intermodal Alternatives



34

Corridor PD&E Recommendations

FDOT RECOMMENDATIONS FOR ADVANCEMENT OF FREIGHT PROJECTS TO PD&E

- 1 NW 74th Street/Hialeah Expressway from SR 826 to Okeechobee Blvd**
To be analyzed to a 8 lane divided arterial with Transportation Systems Management Technology
- 2 Extension of the NW 25th Street Viaduct from NW 117th Avenue to NW 82nd Avenue**
To be analyzed for a grade separated roadway along the NW 25th Street Corridor
- 3 Extension of the NW 25th Street Viaduct into the proposed MIA Intermodal Center**
To be analyzed for a grade separated roadway along the NW 25th Street Corridor
- 4 NW 117th Avenue Extension from NW 58th Street to NW 74th Street**
To be analyzed to a 4 lane divided arterial that will require some canal reconfiguration.
- 5 Reconstruct the NW 74th Street Interchange at the HEFT and extend NW 117th Avenue to NW 90th Street**
Analyze the interchange to allow for a new 4 lane divided arterial extension on the NW 117th Avenue Alignment from NW 74th Avenue to NW 90th Street
- 6 NW 72nd Avenue/Milam Dairy Road from SR 836 to Okeechobee Road**
To be analyzed to a 8 lane divided arterial from SR 836 to NW 25th Street and explore other alternatives for capacity and drainage solutions from NW 25th Street to Okeechobee Road. Include TSM&O technologies for the entire corridor

Thank You

Carlos Castro
FDOT District 6 Freight Coordinator
305-470-5238
Carlos.Castro@dot.state.fl.us

Jeffrey Weidner
Marlin Engineering
954-205-2471
jweidner@marlinengineering.com

