

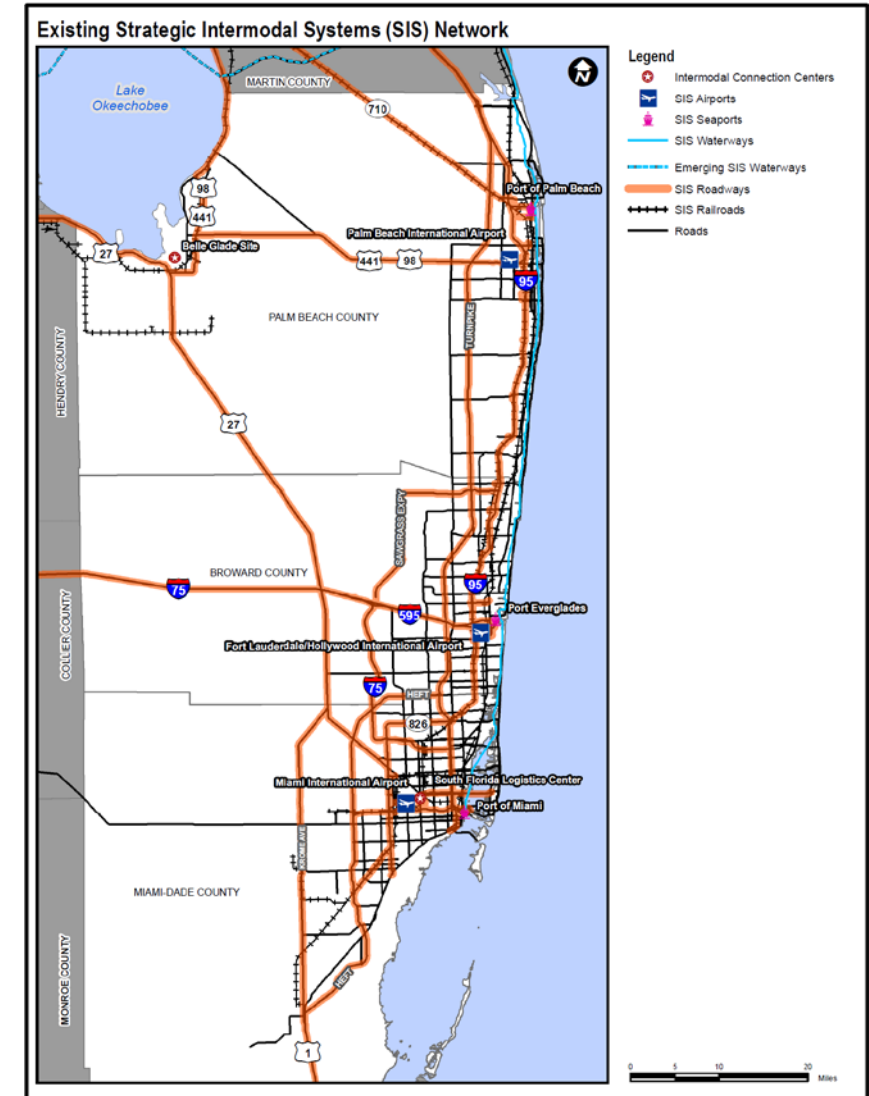
Advancing Freight Projects from the SE Florida Regional Freight Plan



Jeremy Upchurch
FDOT District 4
Freight Coordinator

SE Florida's Freight System

- Expressways
- State highways
- Connectors to freight activity centers
- 3 International airports
- 3 Deep water seaports
- 3 Freight railroads
- Miami River
- New River



Highlights of the 2040 SE FL Regional Freight Plan

- Screens regional highway network for key freight bottlenecks
- Reviews capital needs for our airports, seaports and railroads
- Provides updated list of prioritized freight needs
- Estimates economic impacts generated by the freight industry
- Summarizes and incorporates key freight and logistics initiatives to help position the region as a global logistics hub
- Tells our freight story



Significant Investments in SE Florida

- SR 826/836 Interchange
- Eller Drive Overpass
- 595 Truck Stop
- Port Miami Tunnel
- Martin Luther King Blvd
- Port Miami Dredging
- NW 25th St Viaduct Phase II
- ICTF at Port Everglades and Port Miami
- Port of Palm Beach Slip Redevelopments
- Post Panamax Cranes
- South Port Turning Notch
- FLL Runway Extension



Key Implementation Strategies

- Promote economic contributions of freight and logistics industry
- Maximize use of available funding programs
- Evaluate the effectiveness of the freight system
- Support advancement of solutions for missing freight links
- Engage the freight community in the identification of freight bottlenecks
- Ensure trade and logistics remain targeted industries
- Support work force development programs
- Leverage investments through public private partnerships
- Continue to develop, test and expand pilot programs
- Monitor ILC developments and partner as appropriate
- Promote regional freight mobility

SE FL Regional Freight Plan Hotspot Analysis



Observation

Right turn radii are too short for trucks

Long queues and unused green time

Access point density

Improper or confusing signage

Deteriorated pavement

Roadway not aligned

Slow left turns

Recommendation

Lower curbs, restripe, or widen radius

Optimize signal timing

Merge and close some access points

Replace or remove signage

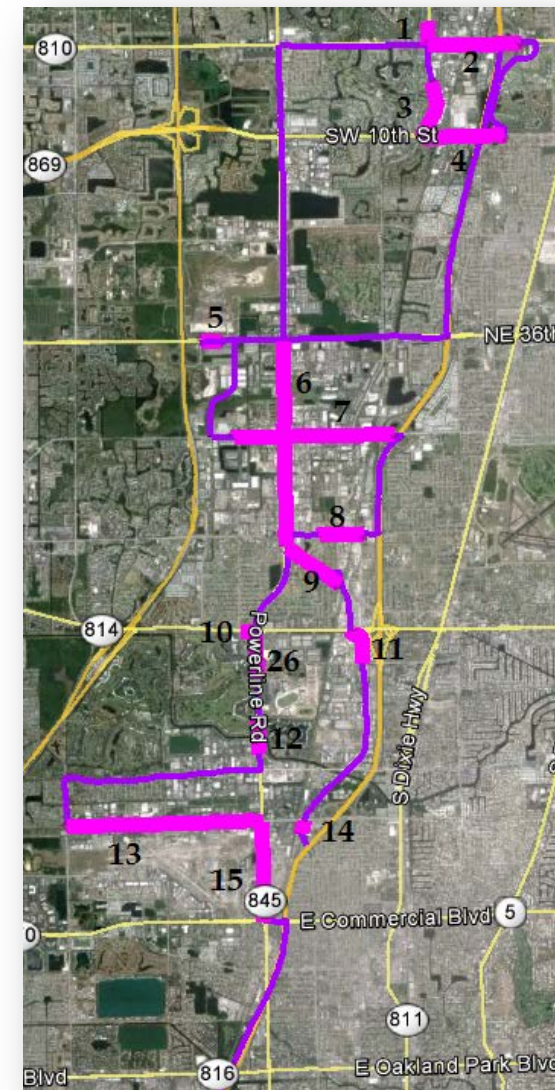
Repave and improve conditions

Restripe lanes

Move stop lines back

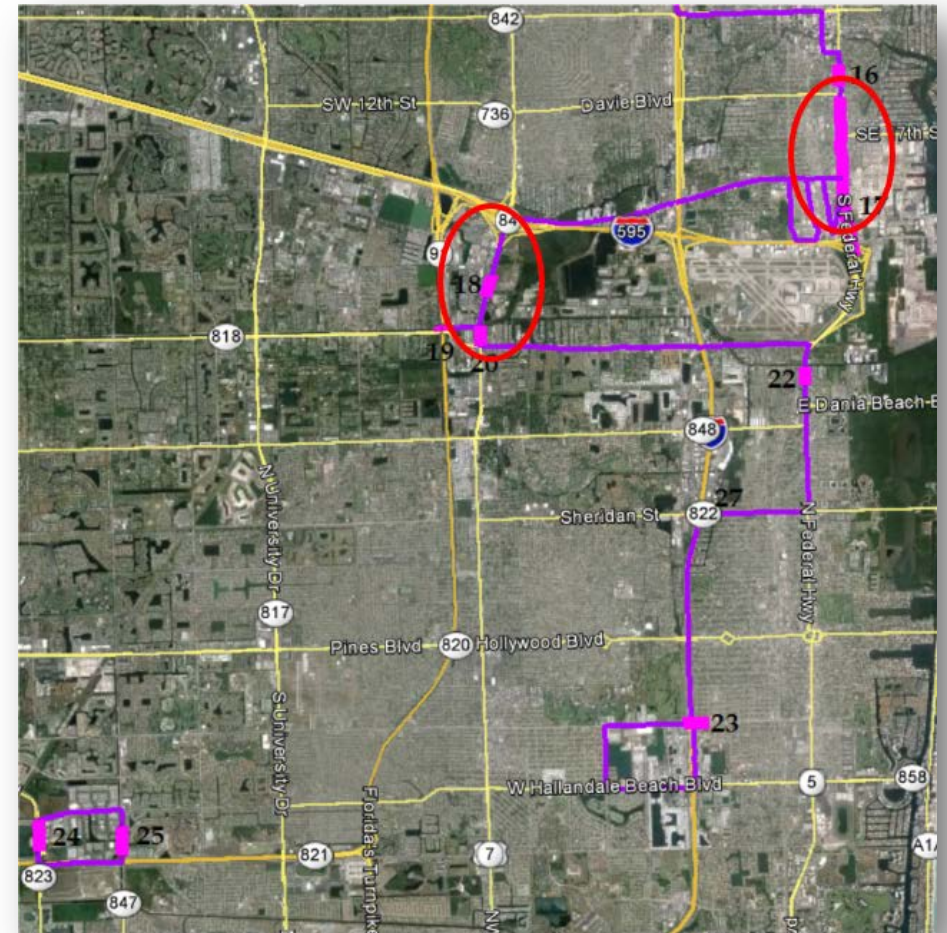
Broward County Freight Hotspots

	Roadway	From	To
1	Military Trail	N of NW 2nd St	Hillsboro Blvd
2	Hillsboro Blvd	Military Trail	E of I-95
3	Military Trail	S of Hillsboro Blvd	SW 10th St
4	SW 10th St	Military Trail	SW Natura Blvd
5	Sample Rd	Turnpike Exit Ramps	Festival Flea Market Mall
6	Powerline Rd	Sample Rd	Dr Martin Luther King Blvd
7	Copans Rd	NW 25th Ave	I-95
8	NW 15th St	NW 17th Terrace	E of 2nd Railroad Track
	Andrews Ave	N of NW 15th St	
9	Dr Martin Luther King Blvd	Powerline Rd	N Andrews Ave
10	Atlantic Blvd	SW 27th Ave	Powerline Rd
11	SW 12th Ave	Atlantic Blvd	Race Track Rd
12	Powerline Rd	N of N Cypress Bend Dr	Gateway Dr
13	NW 62nd St	NW 31st Ave	Powerline Rd
14	Andrews Ave	Cypress Creek Rd	I-95 Ramp
15	Powerline Rd	Cypress Creek Rd	NW 50th St



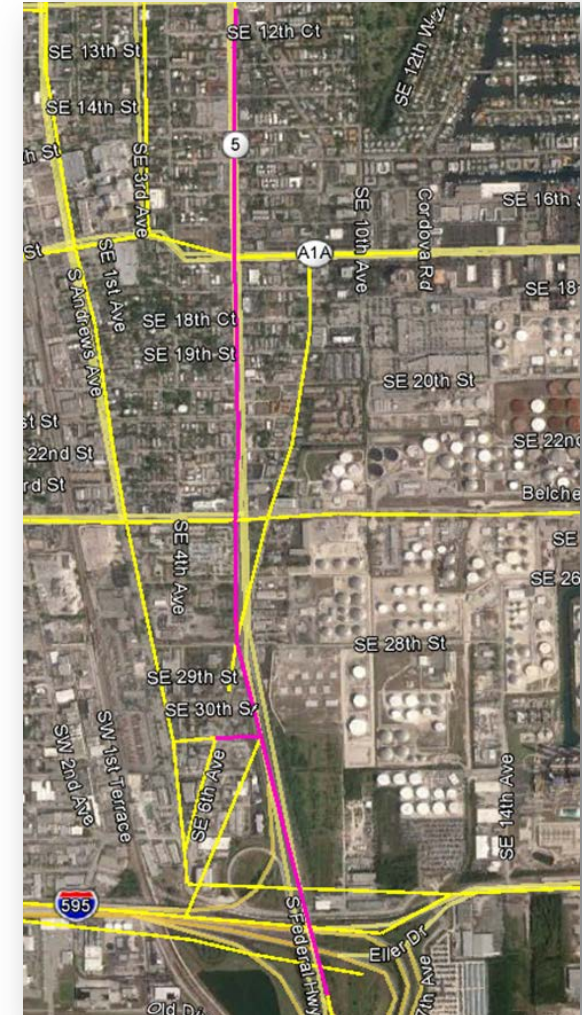
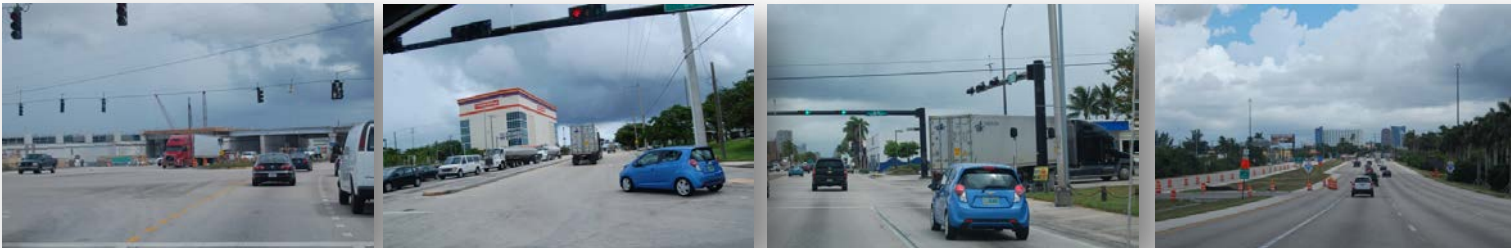
Broward County Freight Hotspots

	Roadway	From	To
16	Federal Hwy	SE 7th St	S of SE 11th St
17	Federal Hwy	Davie Blvd	Eller Dr/I-595
	SE 30th St	Intersection at Federal	
18	US 441/SR 7	Oakes Rd	N of Powells Rd
19	Turnpike Ramps	SW 45th St	Griffin Rd
20	US 441/SR 7	SW 45th St	Griffin Rd
22	Federal Hwy	Old Griffin Rd	NE 2nd St
23	Pembroke Rd	SW 31st Ave	NW 10th Ave
24	Red Rd	Miramar Pkwy	821 Ramp
25	Palm Ave	S of Miramar Pkwy	S of Premiere Pkwy
26	Powerline Rd	Atlantic Blvd	Palm Aire Dr
27	Sheridan St	E of I-95	N 26th Ave

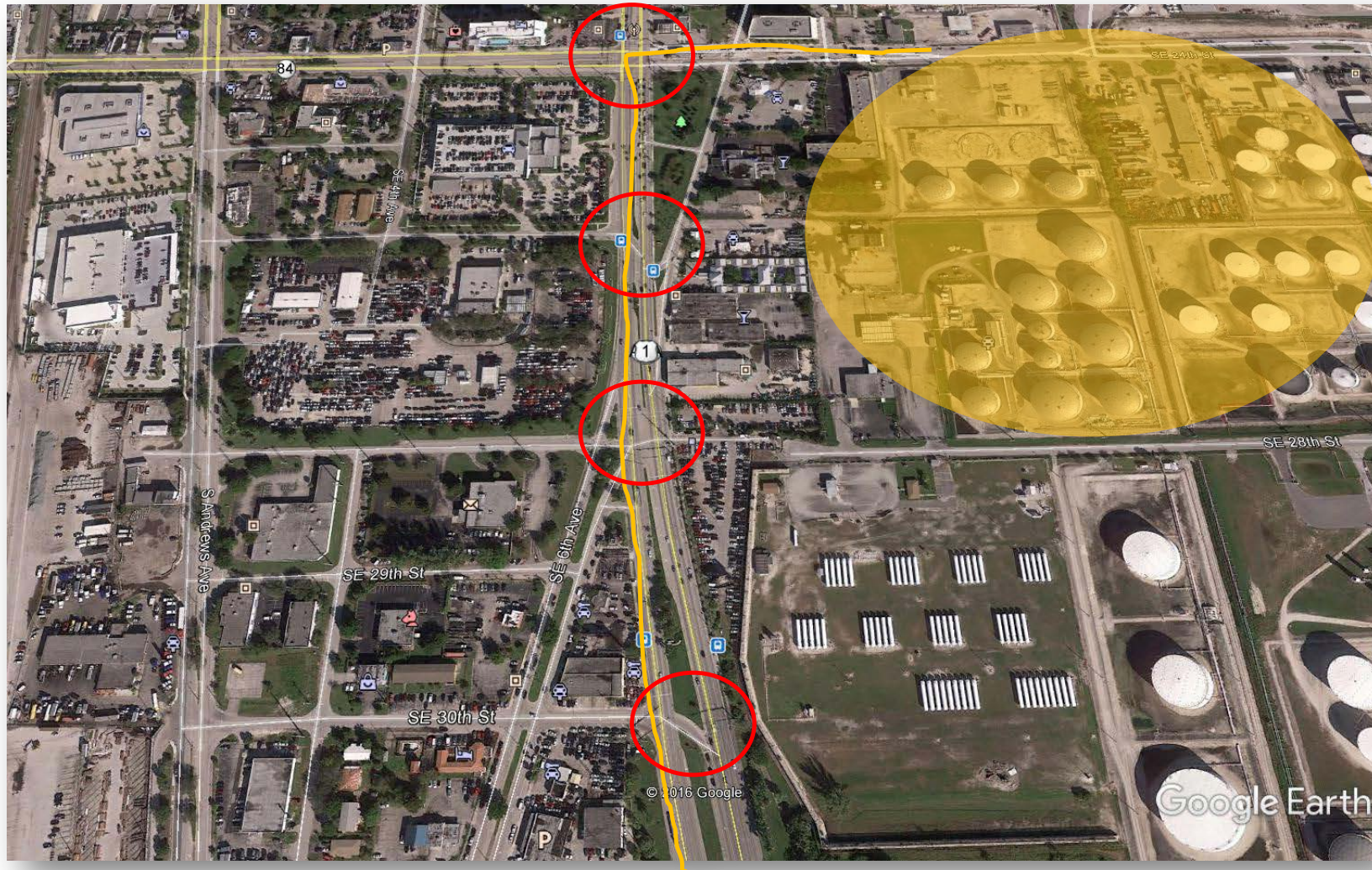


Location 17: US 1 – Davie Blvd to Eller Dr/I-595

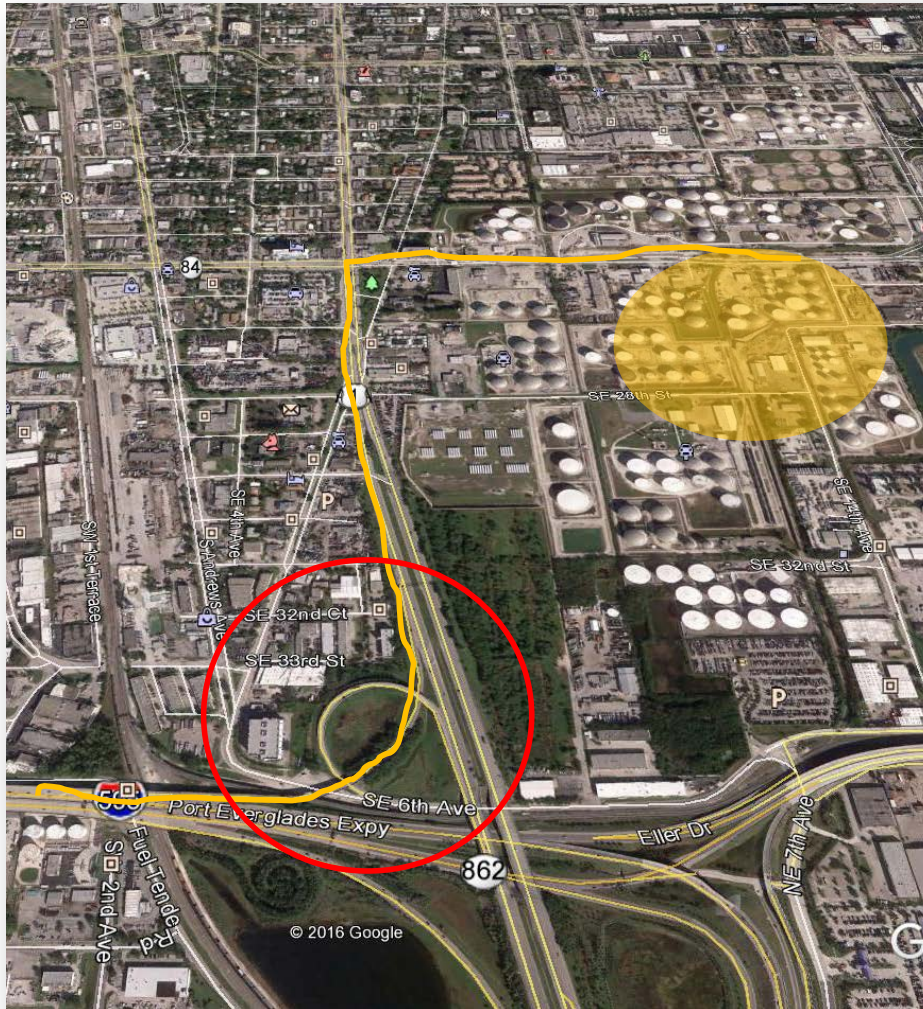
Observation	Recommendation
NB US1 at SR84 curb lane is a shared right turn/through lane	Look at possibility of providing an exclusive right turn lane or a right turn bay at least 500 feet long
Signal of US1 at SE 6 th Ave causing extra delay to US1 through traffic	Study the possibility of removing the signal and redirect traffic
Drive thru traffic going to the Starbucks at Davie Blvd and US1 backed up to the US1 curb lane.	Close entrance to Starbucks on US-1 and only allow access on side streets
Signals of US1 at SR84, SE 17 th St, and Davie Blvd are not coordinated well	Improve signal coordination along the three major signals



Port Everglades Truck Access to I-595



I-595 Access Ramp – 1 Lane



Concepts to be Evaluated

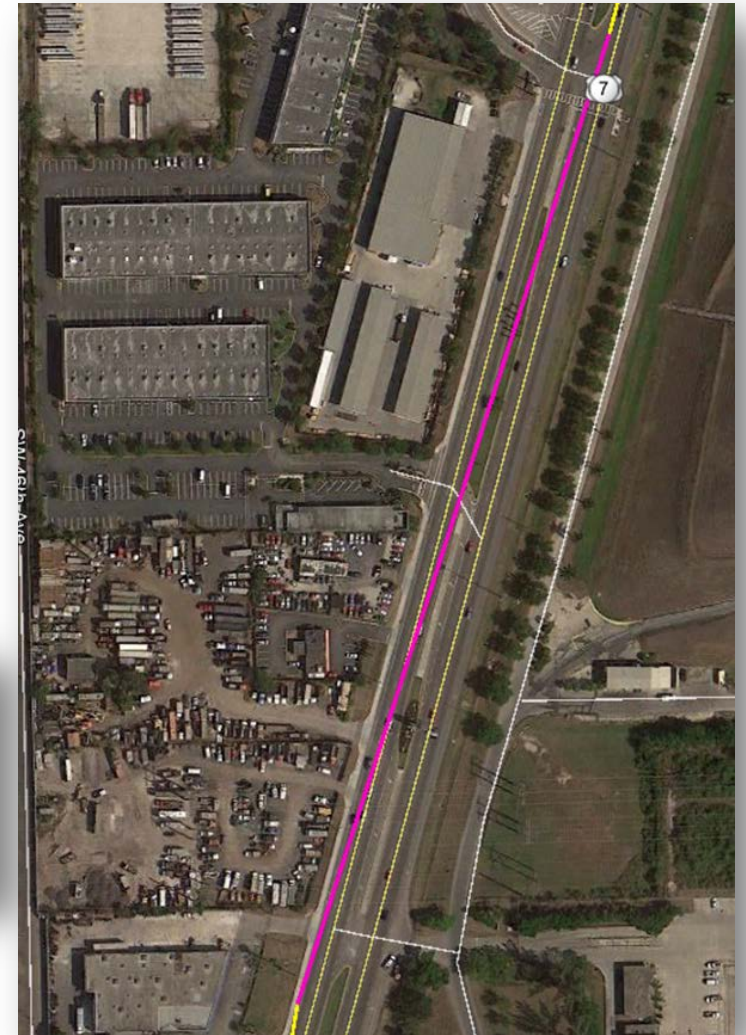
- Southbound US 1 to I-595 Westbound On-Ramp
 - FDOT's Concept Development (CD) team will look at options of adding 2 lanes to the on-ramp and/or merge location with I-595
- US-1 at SE 28th Street
 - CD team will look at up to 2 concepts to improve traffic flow through the intersection
- US-1 at SE 30th Street
 - CD team will look at up to 2 concepts to improve the traffic through the intersection

Planned Activities

- Data Collection – Complete
- Conduct Traffic Forecasting – Spring 2017
- Conduct Operational Analysis – Spring 2017
 - Construction benefit/cost ratio for each alternative
- Present Recommendations – Summer 2017
- Submit Report to ERC for Review – Summer 2017
- Final Report and Concept Plans – Summer/Fall 2017

Location 18: US 441/SR 7 at Oakes Rd

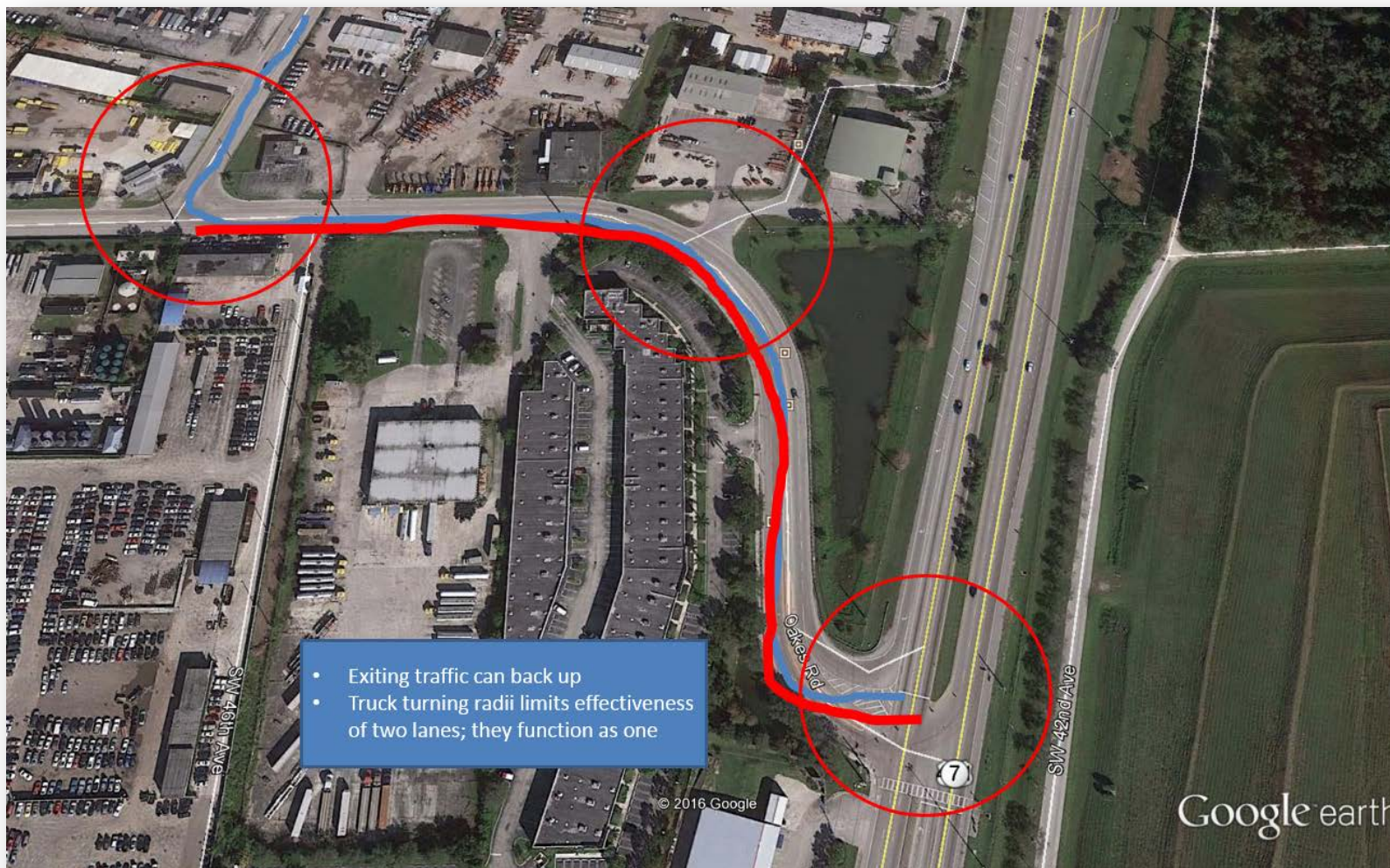
Observation	Recommendation
EBLT trucks spend longer than usual time to pass the intersection of SR7 at Oakes causing extra delay for through traffic on SR7	Make dual left turn on EB approach
High number of access points and side streets on west side of SR7	Merge and reduce access points



595 Truck Stop Access



US 441/ SR 7 and Oakes Rd



Concepts to be Evaluated

- US 441 at Oakes Road
 - CD team will look at concepts to improve traffic flow at this intersection with emphasis on truck access to/from Oakes Road
- Oakes Road and SW 46th
 - CD team will look at concepts to improve traffic flow at this intersection with emphasis on truck access to/from SW 46th
 - FDOT's Traffic Operations team will look at potential signalization improvements at this intersection
 - FDOT's Drainage team will look at possible improvements to SW 46th in response to flooding concerns

Planned Activities

- Data Collection – January/February 2017
- Conduct Traffic Forecasting – Spring 2017
- Conduct Operational Analysis – Spring 2017
 - Construction benefit/cost ratio for each alternative
- Present Recommendations – Summer 2017
- Submit Report to ERC for Review – Summer 2017
- Final Report and Concept Plans – Summer/Fall 2017

Next Steps & Continuing Efforts

Stakeholder Outreach

- District 4 continues to engage the freight stakeholder community in an effort identify critical freight bottlenecks in our region
- Targeted stakeholder outreach meetings, industry forums, MPO advisory committees, and targeted listening sessions will be utilized to identify critical bottlenecks and issues affecting the freight community in District 4
 - Participating and supporting Broward MPO's FTAC
 - Engaging local economic development agencies and universities

Research Projects/Planning Studies

- Analysis of Freight Transport Strategies & Methodologies
 - Research project to look at existing/potential freight data and support tools to better identify and provide decision support tools related to freight project development
- Freight Safety/Truck Crash Hotspot Analysis
 - This project will identify potential truck safety projects/hotspots through a statistical analysis based on existing FDOT crash data
- Freight Model Enhancements
 - This study will look at existing freight modeling efforts and examine methods to build on and improve the accuracy of freight modeling at the District level



Any Questions?