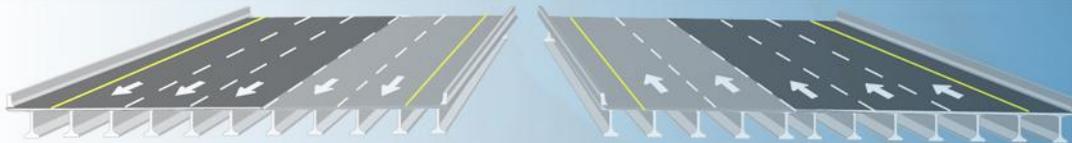
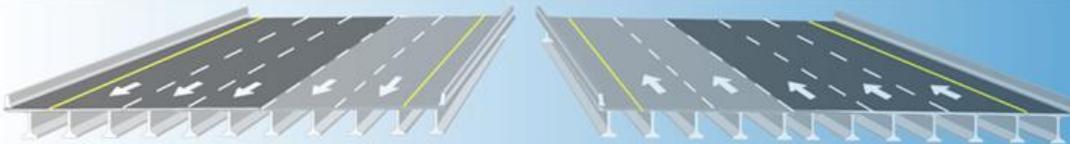


# Managed Lanes



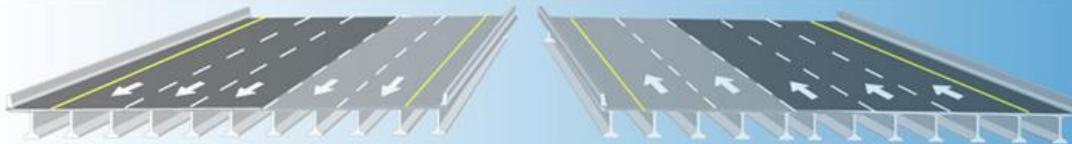
# Florida Transportation Vision for the 21<sup>st</sup> Century

- Florida will be implementing a policy that all new capacity on interstates and expressways and widening and replacement of all major river crossings should be tolled where feasible...
- We must develop an efficient transportation system that provides choices to the user and customer.
- Therefore, in order to provide a world class experience for commuters, the Department will be developing a system of managed lanes in Florida.



# Definition of Managed Lanes

- Dedicated lanes along roadway corridors “managed” for congestion
- Includes opportunities for express lanes, high occupancy vehicles (HOV), reversible lanes, truck only lanes, vehicle restricted lanes and bus lanes
- Dynamic management includes vehicle restrictions or variable pricing and tolling strategies where operations change throughout the course of a day
- Maintains existing “free” general use lanes

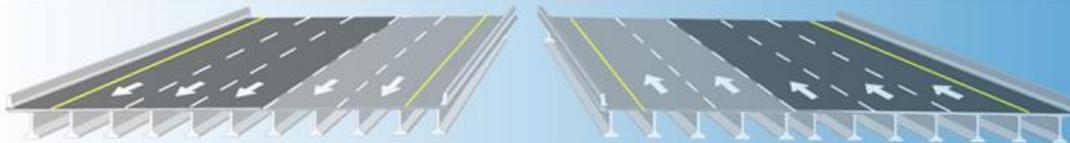


# Examples of Managed Lanes



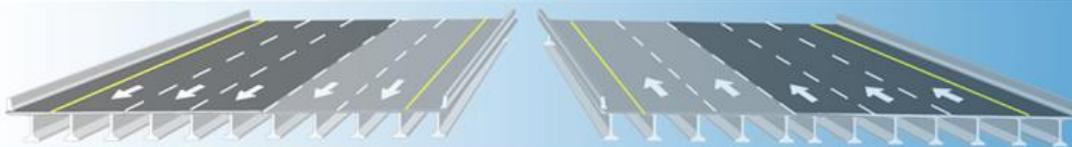
**I-91**  
**Orange County, California**

**I-95**  
**Miami-Dade & Broward Counties, Florida**



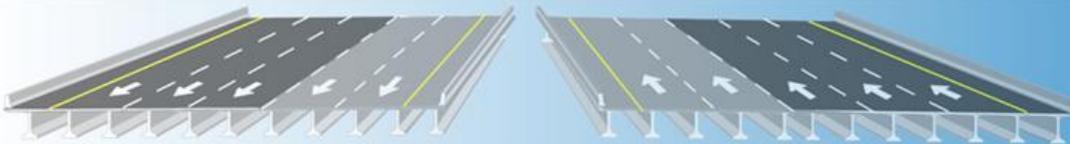
# Managed Lane Policy Framework

- Goal is improving person throughput within the corridor
- Should be considered for all added capacity projects on limited access facilities (Interstate/Expressway Corridors)
- Planning and development should not preclude future implementation
- Consider transit investment
- Must develop a funding plan for both construction and O&M



# Potential Benefits

1. Choice...  
a new transportation option
2. Congestion Management
3. Provides enhanced transit advantage
4. Alternative funding opportunity for projects



# Improvement in Speeds due to 95 Express

**Average Speed (MPH)**

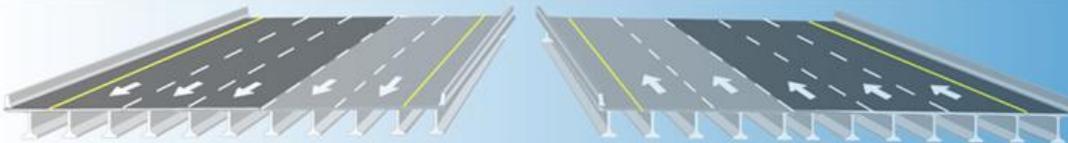
	2008 HOV Study <sup>1</sup>				FY 2009 <sup>3</sup>				FY 2010 <sup>4</sup>			
	SB		NB		SB		NB		SB		NB	
	HOV	GPL	HOV	GPL	EL	GPL	EL	GPL	EL	GPL	EL	GPL
AM Peak Period <sup>2</sup>	20.3	15.3			--	--			63.7	51.0		
PM Peak Period <sup>2</sup>			18.1	18.8			56.7	41.3			55.8	41.3
Overall	--	--	--	--	--	--	61.1	54.9	64.3	57.5	61.6	56.7

<sup>1</sup> AM Peak Period for 2008 HOV Study was 7:00-9:00am; PM Peak Period was 4:00-6:00pm; HOV was one lane in each direction

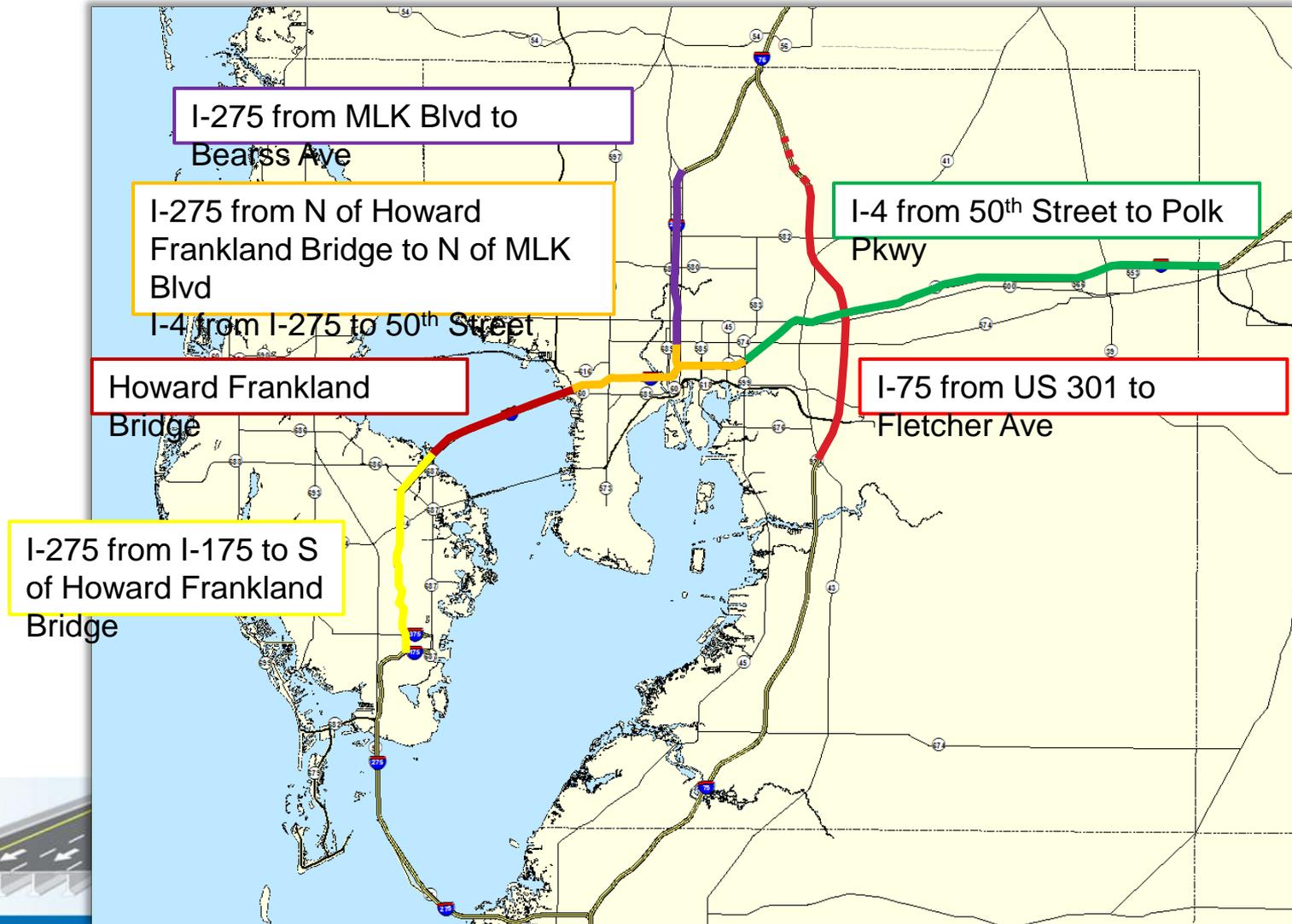
<sup>2</sup> AM Peak Period for 95 Express Project is 6:00-9:00am; PM Peak Period is 4:00-7:00pm

<sup>3</sup> Values represent time from December 5, 2008 (first day of tolling) through June 30, 2009 (end of FDOT fiscal year)

<sup>4</sup> SB EL opened for tolling on January 15, 2010; NB EL extended from 6.20 miles to 7.33 miles in March 2010



# D7 Managed Lanes Study Limits



# Tampa Interstate Study

- Recommended: Express Lanes in Median
- General Use Lanes construction in progress

## ENVIRONMENTAL IMPACT STATEMENT PREFERRED ALTERNATIVE

### PROJECT DEVELOPMENT AND ENVIRONMENT STUDY

Tampa Interstate Study - I-275 from the Howard Frankland Bridge/Kennedy Boulevard ramps and just north of Cypress Street on Memorial Highway (S.R. 60) to north of Dr. Martin Luther King Jr. Boulevard (formerly Buffalo Avenue), I-4 from I-275 (including interchange) to east of 50th Street (U.S. 41), and the proposed Crosstown Connector from I-4 southward to and including Tampa South Crosstown Expressway, from the Kennedy Boulevard overpass east to Maydell Drive, Hillsborough County.

Work Project Number: 7140004 State Project Number: 99007-1402 Federal-Aid Project Number: IR-9999(43)



PLANNING FOR TOMORROW  
TAMPA INTERSTATE STUDY

Sheet No.  
A-2EA THROUGH A-12EA  
A-1 THROUGH A-11  
B-1 THROUGH B-2

Title  
PREFERRED ALTERNATIVE CONCEPT  
I-275, I-4, CROSSTOWN CONNECTOR  
AND CROSSTOWN EXPRESSWAY  
TRANSITION CONCEPTS  
I-275 AND I-4

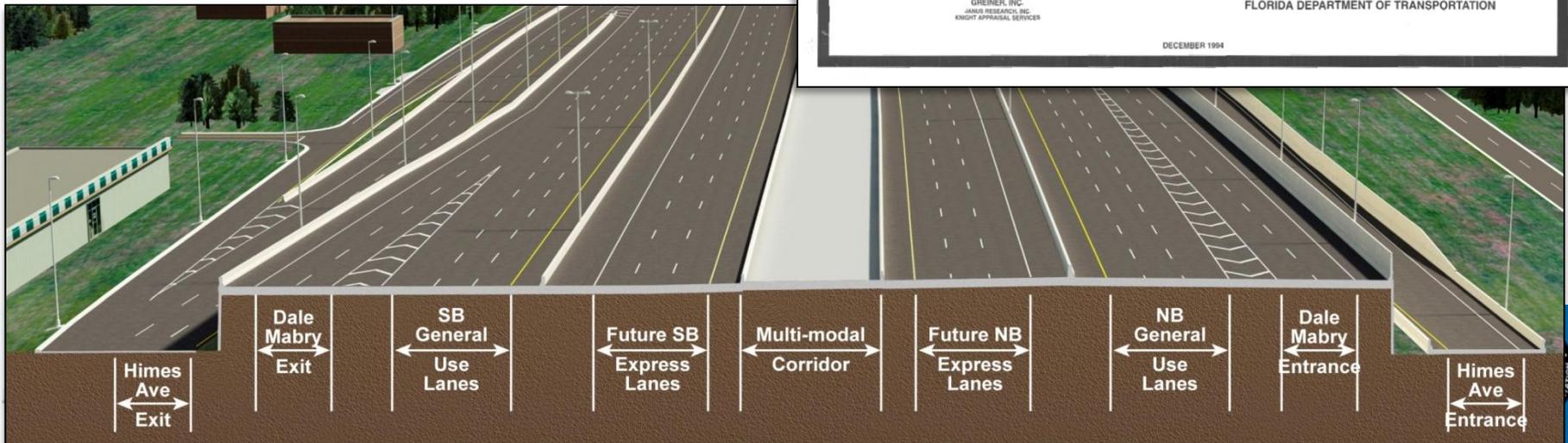


PROJECT LOCATION MAP

PREPARED BY  
**THE GREINER TEAM**  
GREINER, INC.  
JAMES RESEARCH, INC.  
KNIGHT APPRAISAL SERVICES

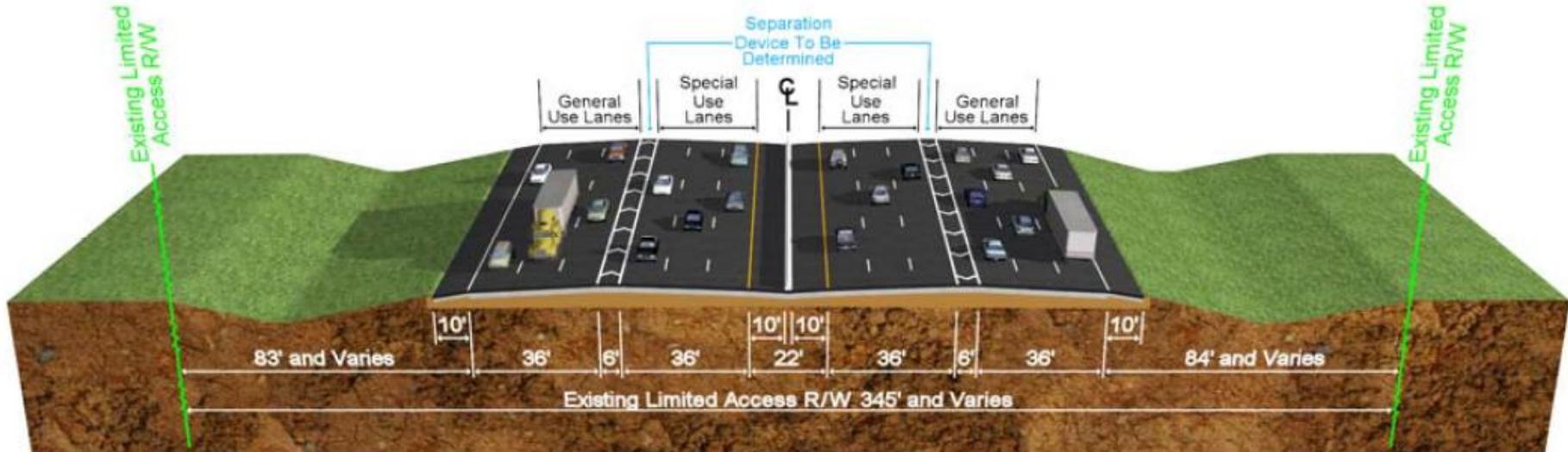
PREPARED FOR  
FLORIDA DEPARTMENT OF TRANSPORTATION

DECEMBER 1994

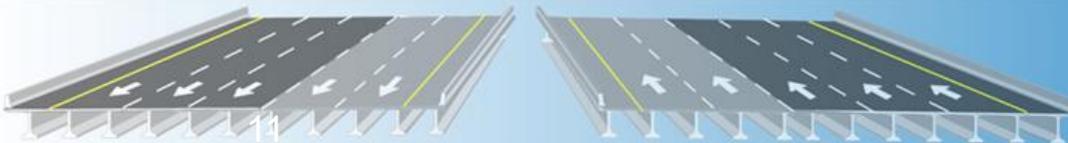
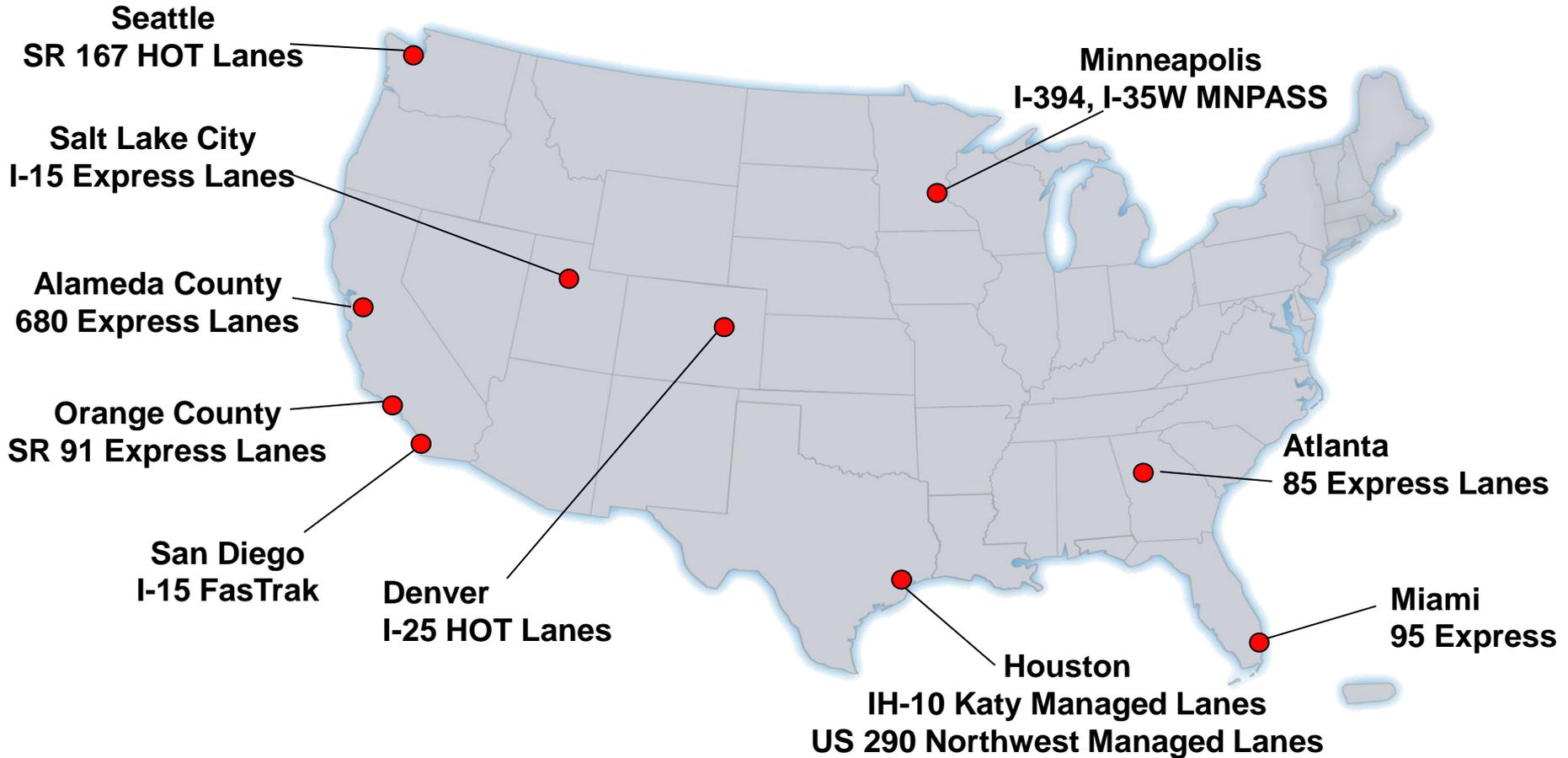


# I-75 from US 301 to Fletcher Ave PD&E

- Recommended: 6 General Use Lanes and 6 Special Use Lanes
- Most of the widening to be done inside the existing lanes



# Managed Lanes around the US



# Questions?

**For More Information:**

Ming Gao ([ming.gao@dot.state.fl.us](mailto:ming.gao@dot.state.fl.us))

813-975-6454

**Buckle Up!**

