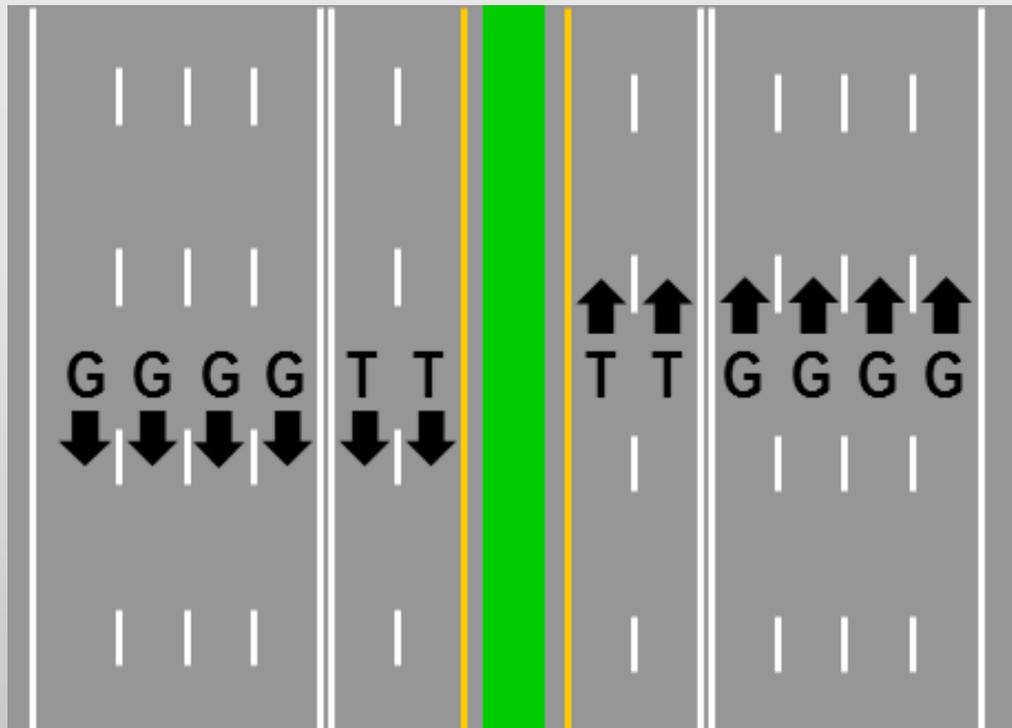


Express Toll Lanes

- Express Toll Lanes: where tolling and transportation management come together in a way which redefines urban mobility solutions
- Rapid growth area of the U.S. toll industry
 - Nearly 20 operating projects in the US;
 - A dozen more in development
- What are Express Toll Lanes
 - Tolls assessed on only a portion of a freeway's capacity
 - Variable tolls used to manage demand and keep lanes moving
 - Sometimes discounted tolls depending on vehicle occupancy
- Revenue potential depends how they are operated and pricing policies
 - HOT lanes tend to be low revenue, but cover operating costs
 - ETL where everybody pays can generate high revenue

Typical Express Lane Configurations



Important Policy Direction at FDOT

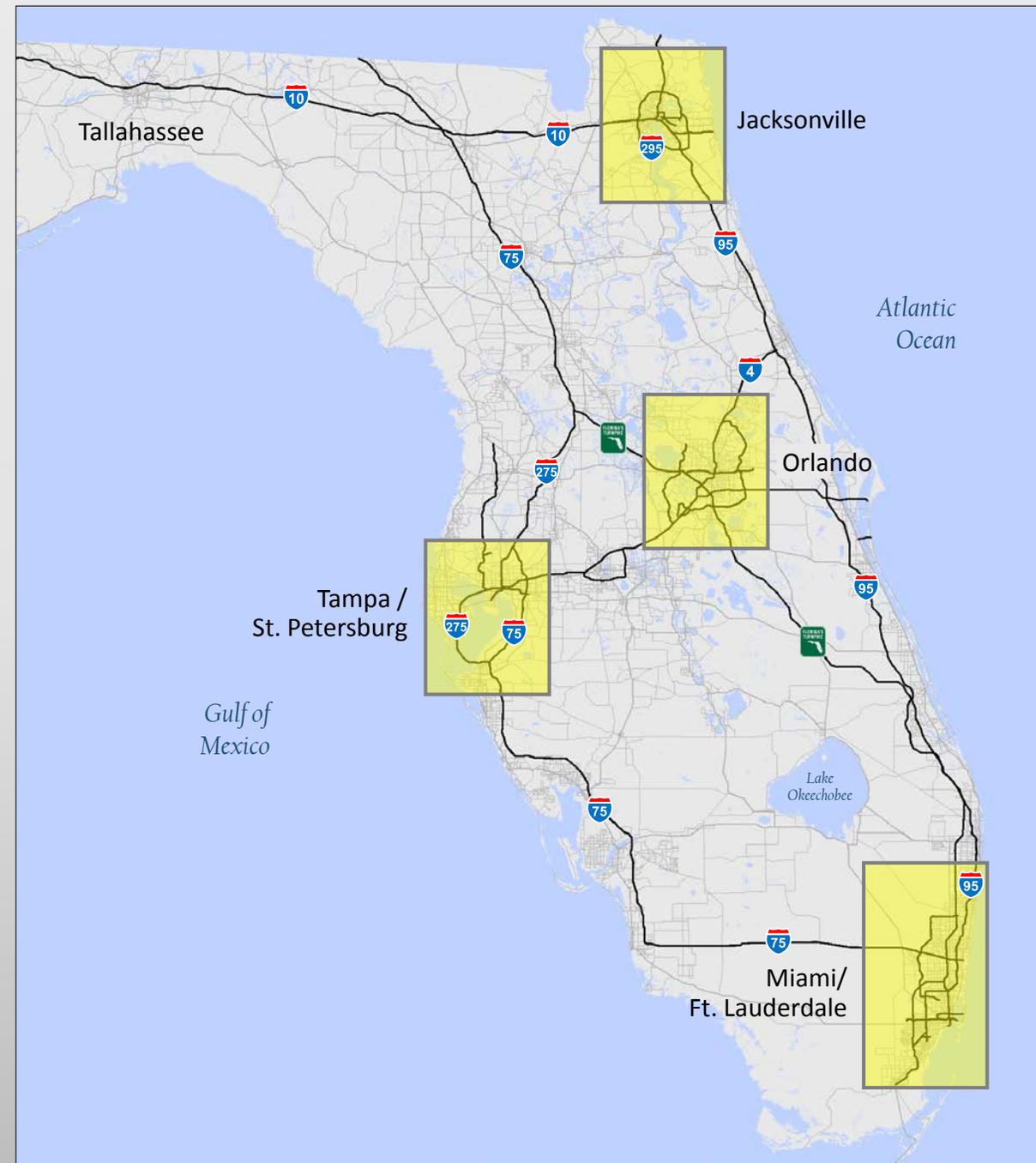
- “In an effort to better manage congestion and provide choices to drivers, Express Lanes must be considered for additional capacity on limited access facilities on the State Highway System”
- An express lane is a sustainable transportation systems management solution that assists with long term mobility needs by providing:
 - Travel time reliability
 - Travel options for drivers
 - Balanced transit operations
 - Dynamic congestion pricing

Why the Policy

- Sustainable revenue generation from new transportation investments is a factor
 - **But definitely not the biggest one**
- Builds on the overwhelming success of the I-95 Express Lanes experiment in Miami-Dade County
 - **Express lane speeds improved from 21 to 55+ MPH**
 - **General Purpose lanes speeds improve from 19 – 41 MPH**
 - **Everyone benefits – including those who don't choose the express lane**
- Very limited political support for EL concept before the experiment; now EL networks are under construction or planning in all four major urban regions in the state

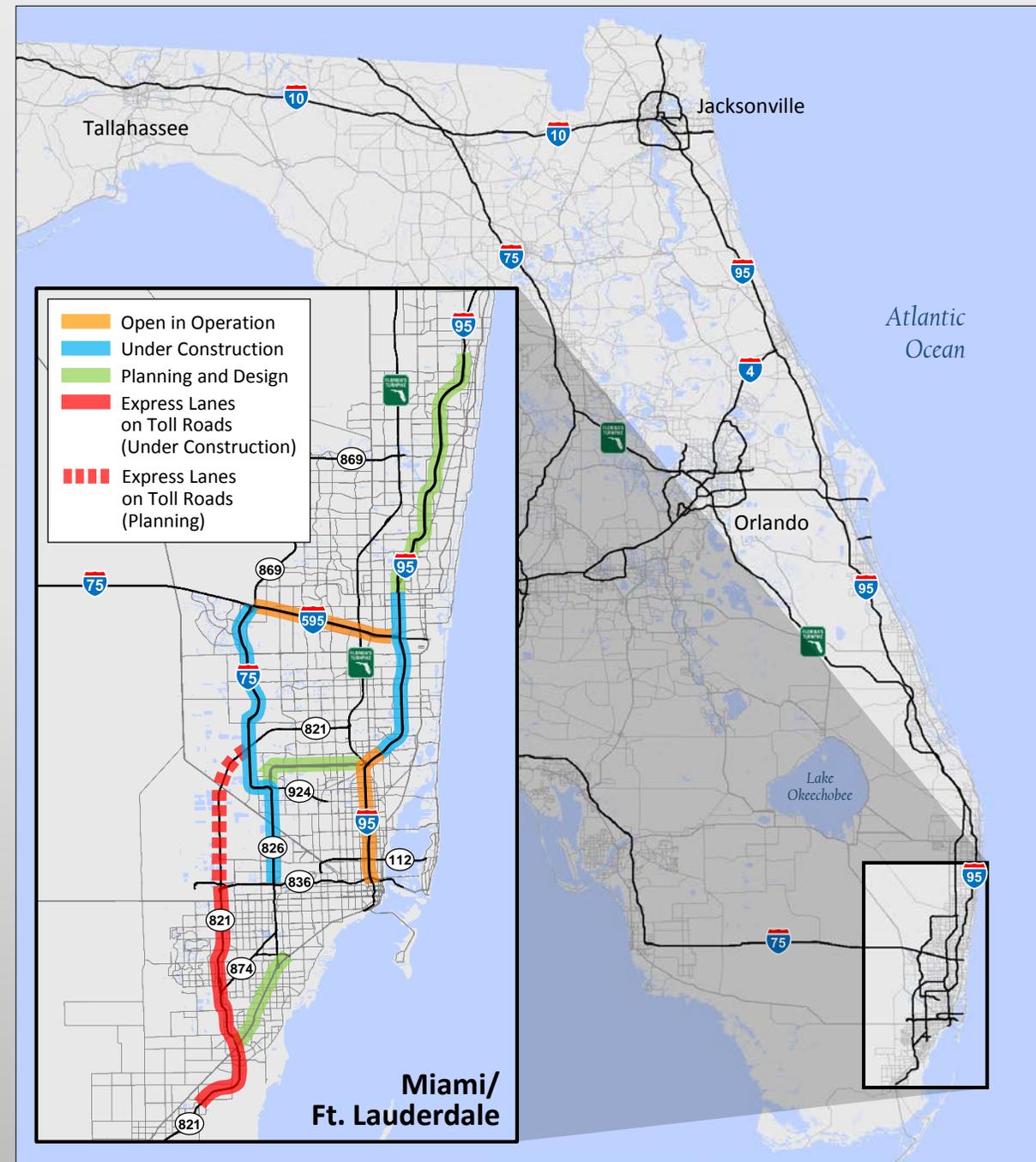
Major Metropolitan Express Lane Networks in Florida

- Miami / Fort Lauderdale Area
- Tampa / St. Petersburg Area
- Greater Orlando Area
- Jacksonville Area



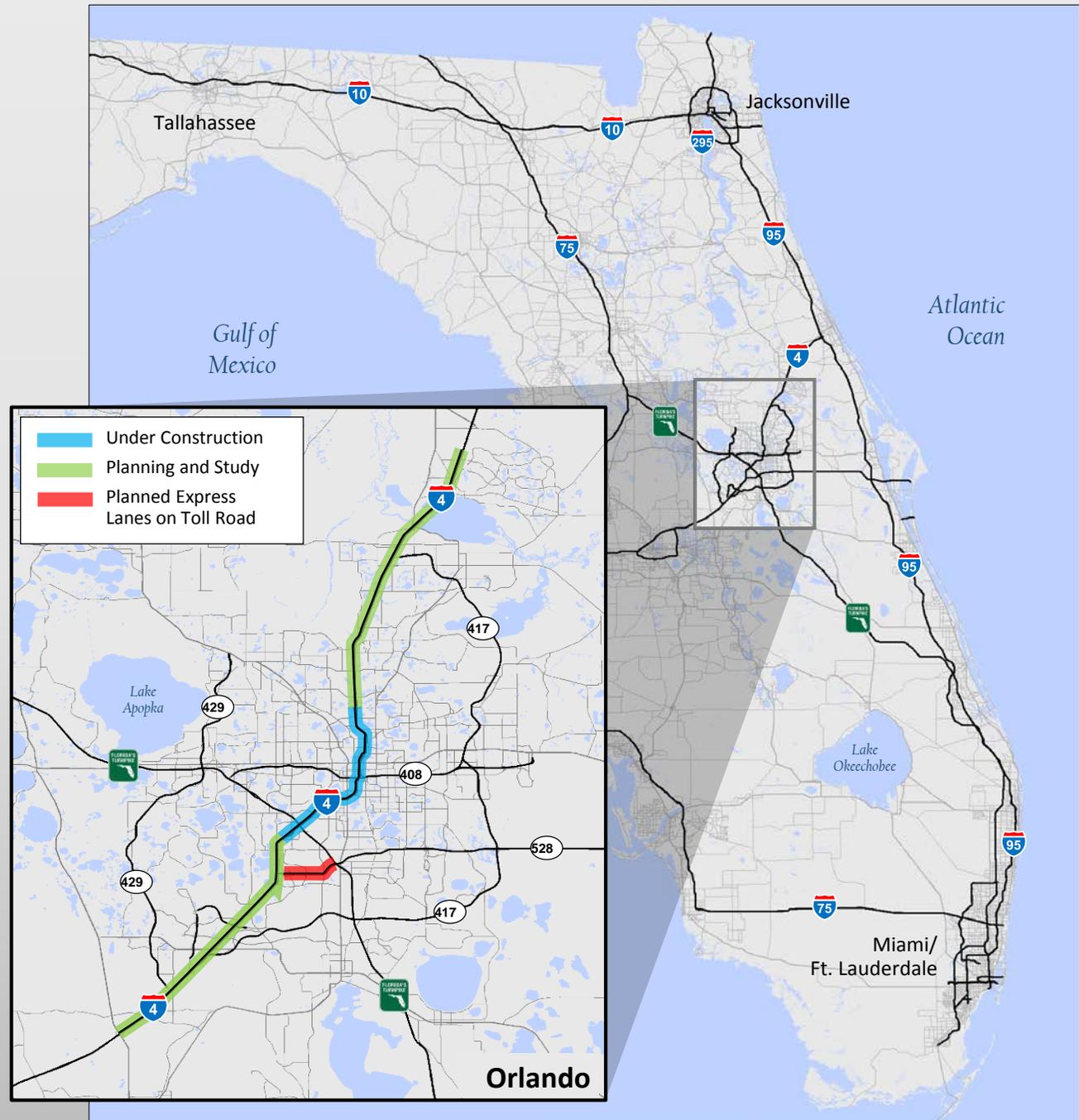
Managed Lanes Network In The Miami / Ft. Lauderdale Area

- I-95 Express Lanes
 - Ultimately 47 miles long
 - Phase 1 – now open
 - Phase 2 – 2015
 - Phase 3 – 2018
- I-595 Express lanes
 - Reversible lanes – now open
- I-75 / SR 826
 - Under construction
- Florida's Turnpike
 - Toll in toll lanes
 - Under construction



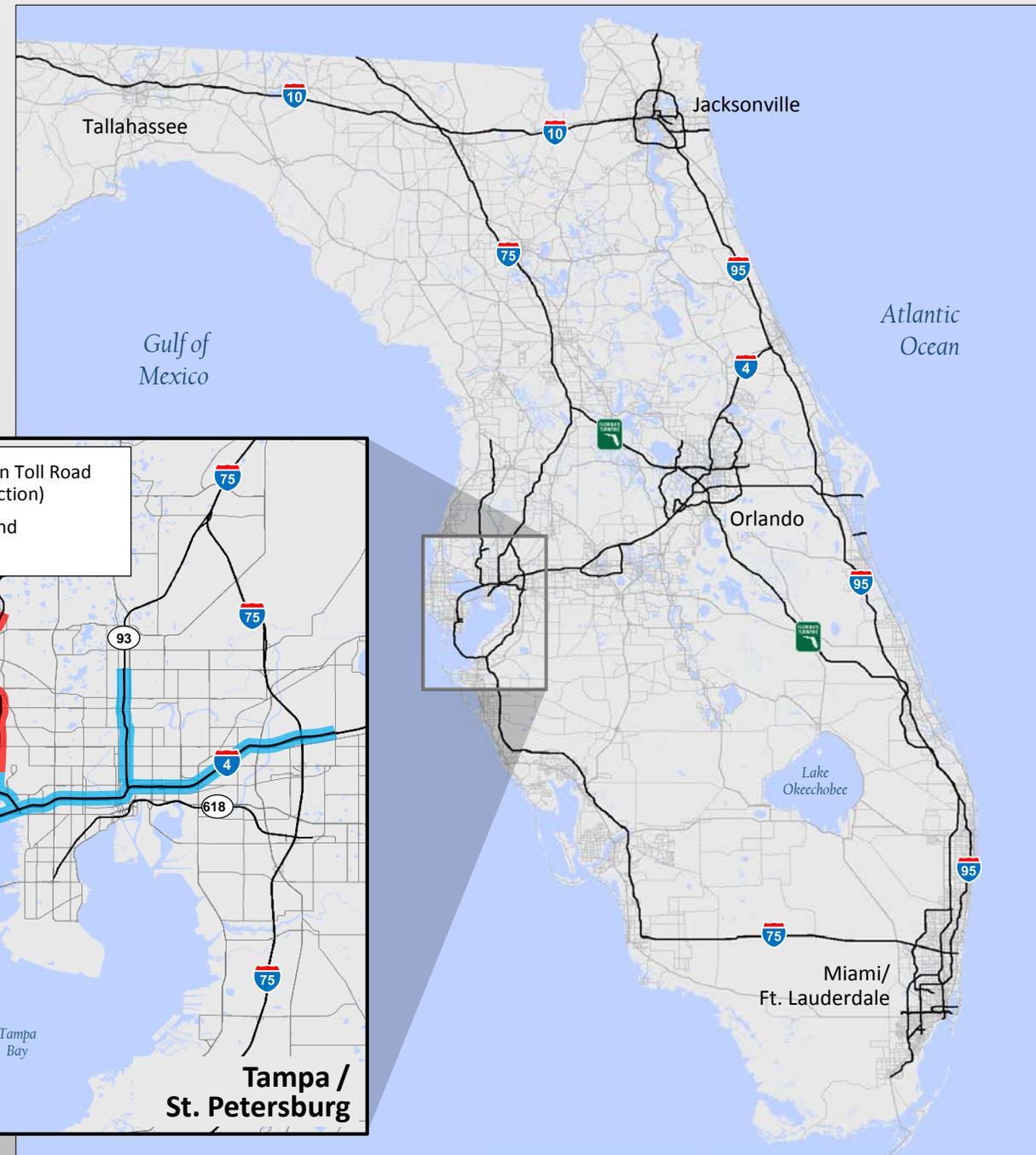
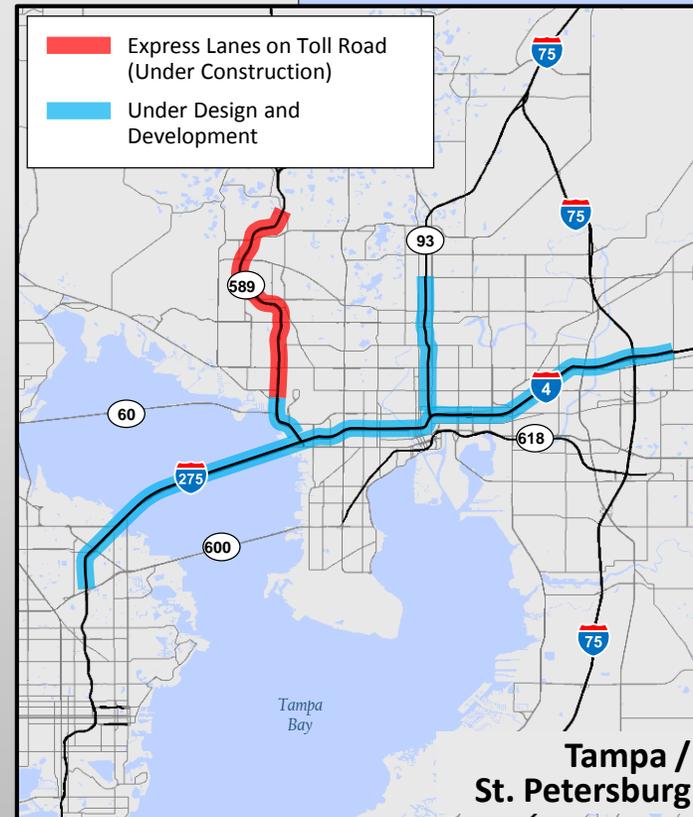
Managed Lanes Network In The Orlando Area

- I-4 Ultimate
 - \$2.3 billion P3 under construction
 - 20 miles
 - Completion in 2020
- South Extension
 - 20 miles – under study
 - Includes access to theme parks
- North Extension
 - Under study
- Full project – 60 miles



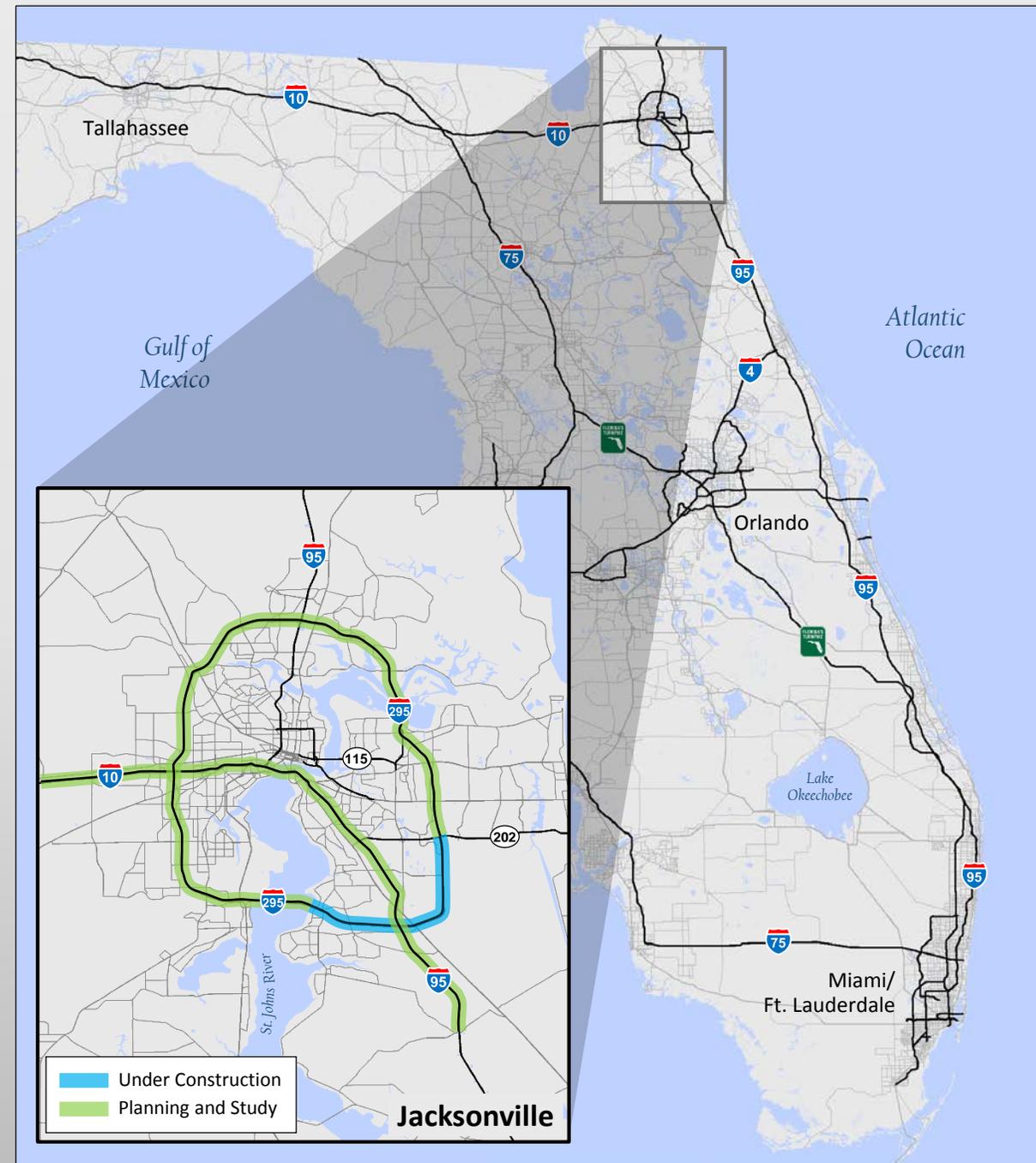
Managed Lanes Network In The Tampa / St. Petersburg Area

- 50 mile planned network
 - Veterans Expressway
 - I-275
 - I-4
 - SR 60/ TIA Airport



Managed Lanes Network In The Jacksonville Area

- Ultimately 118 miles of express Lanes
- First 2 segments (10 miles) under construction



Express Lanes By the Numbers (Statewide)

- Projects in operation 2
- Projects under construction 14
- Projects in planning 22
- Miles in operation 20
- Miles under construction 108
- Miles in planning 282
- Total investment \$7.8 Billion



Tolls Within Toll Roads

- Premium priced Express Lanes also being added within existing toll roads
 - Miami
 - Tampa
 - Orlando (future)
- Express lane tolls will typically charge small increment above general toll rates
 - Increment subject to increase when EL demand approaches capacity

Pricing and Operational Policy Details

- All Vehicles will pay
 - Except for Transit vehicles
- No free or discounted trips
 - Based on vehicle occupancy
 - Based on vehicle type (eg hybrid, alternative fuels or motorcycles)
- No vehicles with 3 or more axles
- Dynamic pricing must be used
- Toll collection and violation enforcement responsibility of Florida Turnpike Enterprise
 - Even though most of the new projects will be funded and implemented by DOT Districts



Technology is Critical to Success

- All-ETC tolling
 - No video tolling
- Dynamic price signing
 - Increasingly complex in integrated EL networks
- Common operating plan
 - All express lanes statewide to use common signing
- Need for close coordination with regional traffic management systems
 - Regional Concept of Operations (RCTO) in each urban region integrates pricing and operations management of express lanes with TMC and other traffic management systems



In Summary

- Tolling all new urban capacity is a huge policy change in the Sunshine State
 - **Brings together tolling and demand management to create new mobility solutions**
- A huge part of transportation capital investment in the state will be tolled
 - **Also creating a new sustainable source of revenue for future use**
- Drivers will be the real winners
 - **New travel options**
 - **Reduced overall congestion**

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