

CENTRAL FLORIDA EXPRESSWAY AUTHORITY

Proposed Speed Limit Adjustment on SR 417 and SR 429

October 9, 2014



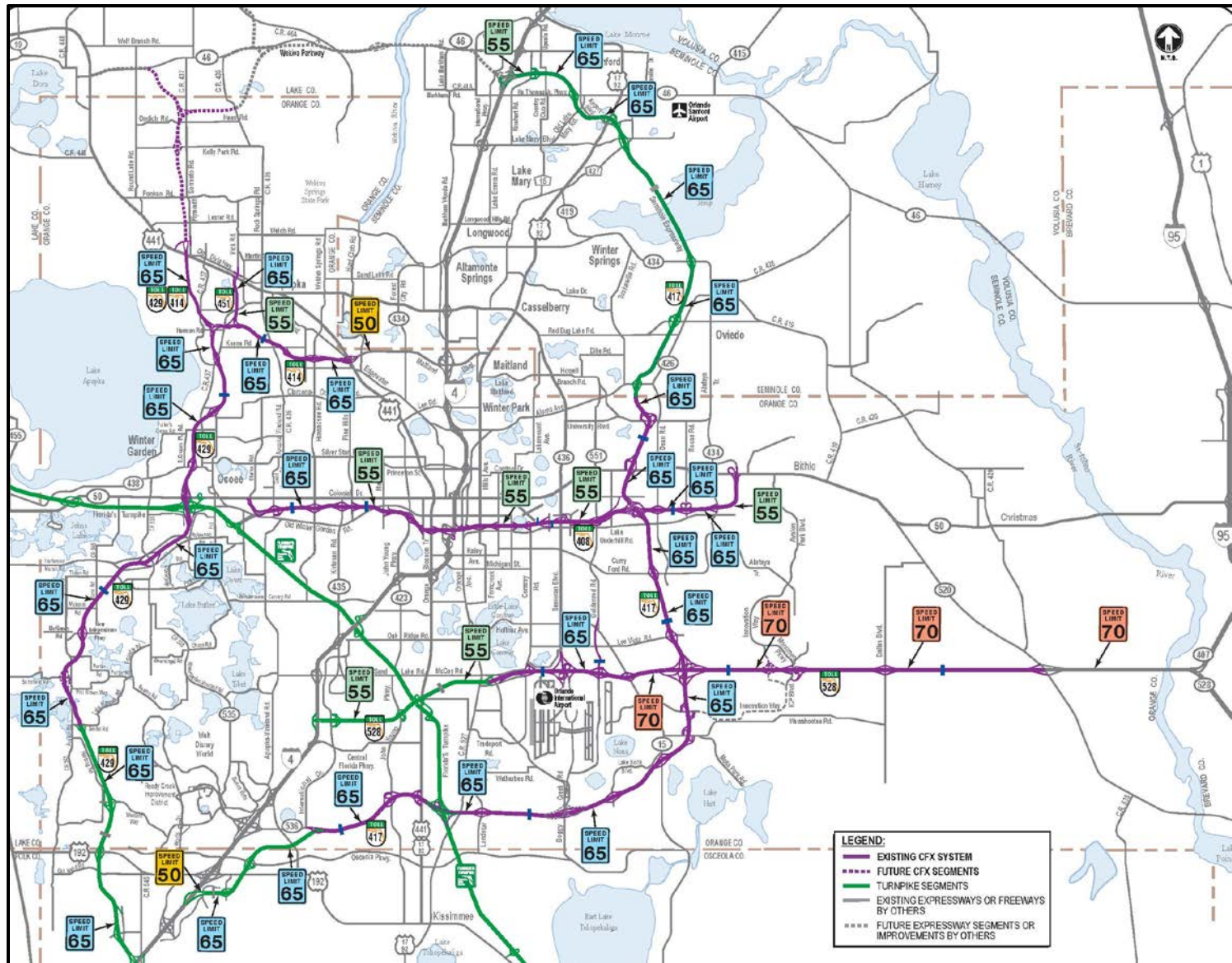
Overview

- Early 2013 OCEA board requested speed study on various segments of our system
- Florida Statutes 316.187 describes the process for FDOT approval to modify speed limits; maximum allowable limit is 70 mph



Overview

- Study per Speed Zoning for Highway Zoning and Streets manual
- Traffic study submitted to FDOT and approved 8/21/14
- CFX speed limit adjustment occurred in 1997; speed limit on portions of SR 408 adjusted to 65 mph



Current Speed Limits



Study Considerations

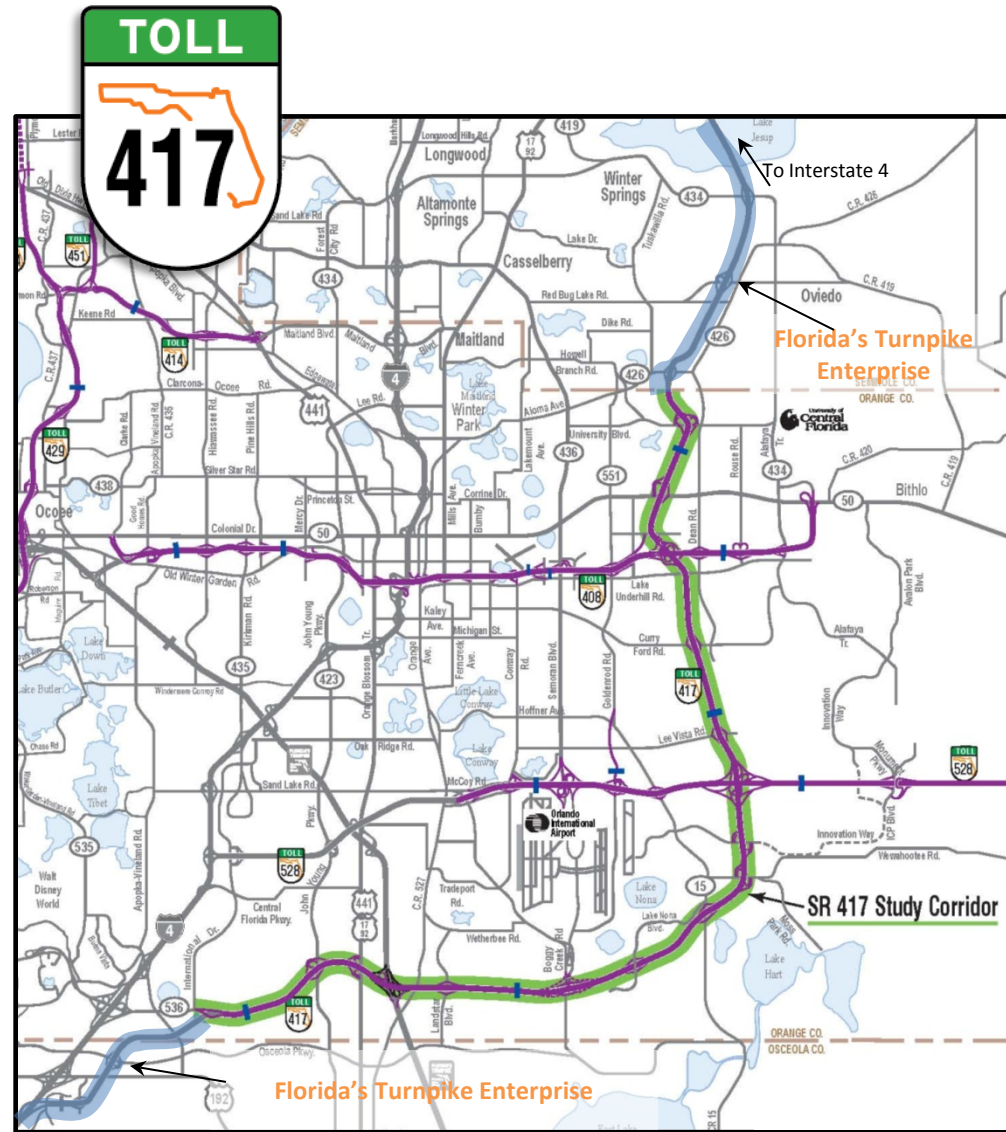
Collect and evaluate:

- Existing traffic volumes and speeds
- Accident history
- Roadway design criteria

Limit should reflect 85th percentile* of speeds traffic is traveling

*The speed at or below which 85 percent of all vehicles are observed to travel under free flow conditions past a specified point.



- From I-Drive to Seminole County Line
- Opened in phases: 1988 and 1993
- Current speed limit: 65 mph
- Roadway design criteria: 70 mph
- 85th percentile speed: 72-79 mph



- From Seidel Road to US 441
- Opened in phases:
2000 and 2005
- Current speed limit:
65 mph
- Roadway design criteria:
70 mph
- 85th percentile speed:
70-79 mph



»» Speed Limit Adjustment Coordination

- Florida's Turnpike Enterprise 
 - Completed independent studies for their segments of SR 417 and SR 429
 - Consistent results; study recommends a change to 70 mph
- Florida Highway Patrol 
 - Coordination throughout the study



Implementation Costs and Schedule

- 65 existing signs to be replaced/modified
- Estimated cost: \$76,000
- 60-90 days to complete
- Public outreach
 - Customer Email
 - Traditional Media
 - Online Newsletters
 - Social Media



Requested Action

Staff requests Board approval to:

**Adjust the speed limit from
65 mph to 70 mph
on CFX portions of SR 417 and SR 429**