



Florida Department of
TRANSPORTATION



District Traffic and Revenue Studies

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Miami, FL May 5, 2016

District Traffic & Revenue Studies

AGENDA:

- Background
- Traffic & Revenue Studies
 - Procedure
 - Examples
- Express Lanes Time of Day Model (ELToD)
- Questions



Background

- Secretary's Policy 525-030-020-a
- General Consultant Contract
 - CDM Smith
 - C&M Associates, Inc.
 - Jacobs Engineering Group
- Studies Requested and Funded by the Districts

Traffic & Revenue Studies (Procedure)

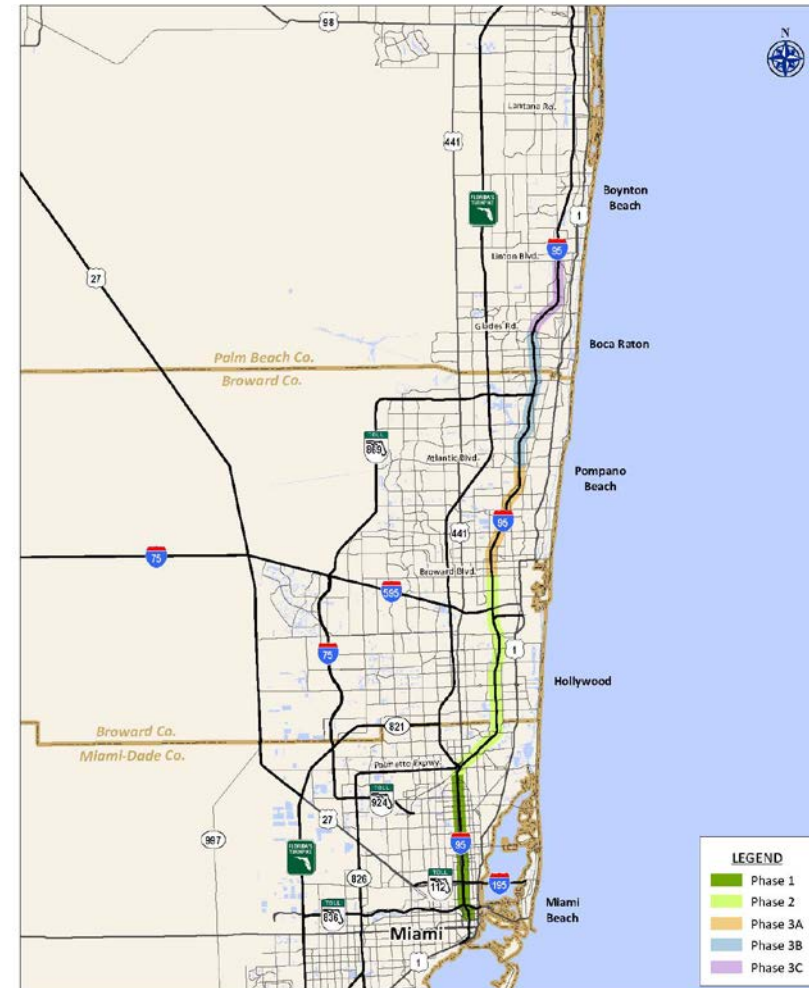
- Express Lanes and New Tolled Facilities
- District Project Manager
- Coordination with Central Office
- Data Collection
- Project Assumptions
- Travel Demand Model and ELToD
- 12 Work Authorizations



Traffic & Revenue Studies (Examples)

I-95 Express Lanes Phases 1 & 2:

- Central Office – Amy Causseaux
- Coordinate with D4 & D6
- SR 112 to Broward Blvd
- 10-Year Revenue Forecast
- November 2014



Traffic & Revenue Studies (Examples)

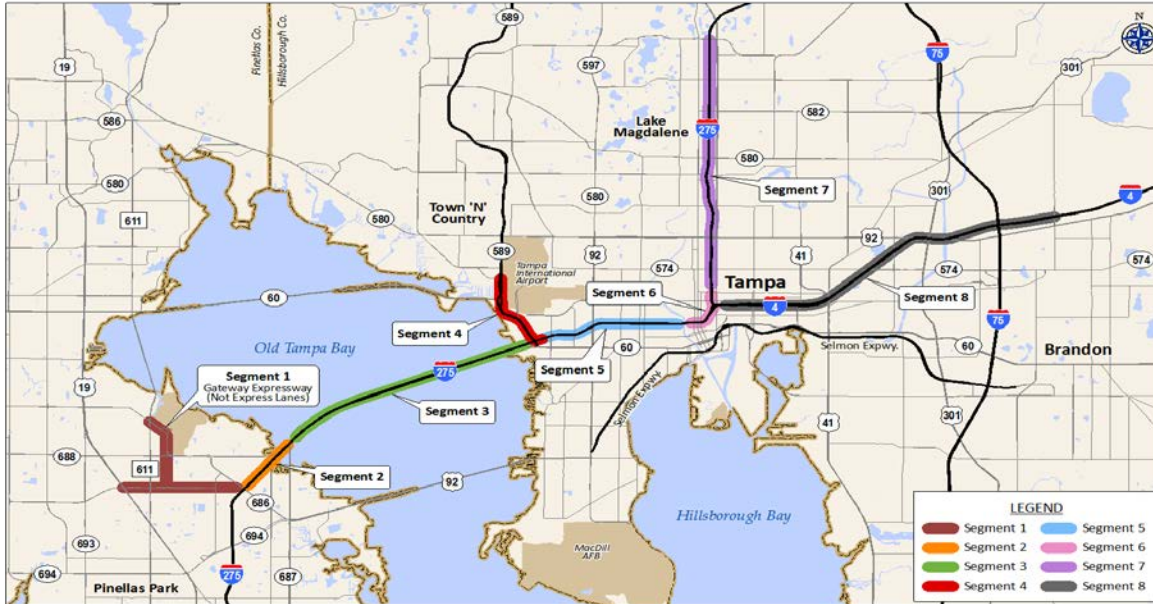
West Bay Parkway, Segment 1:

- District 3 – Brandon Bruner
- Extends Existing CR 388 from SR 79 to US 98
- New Toll Facility
- December 2015



Traffic & Revenue Studies (Examples)

District 5: I-4 BtU

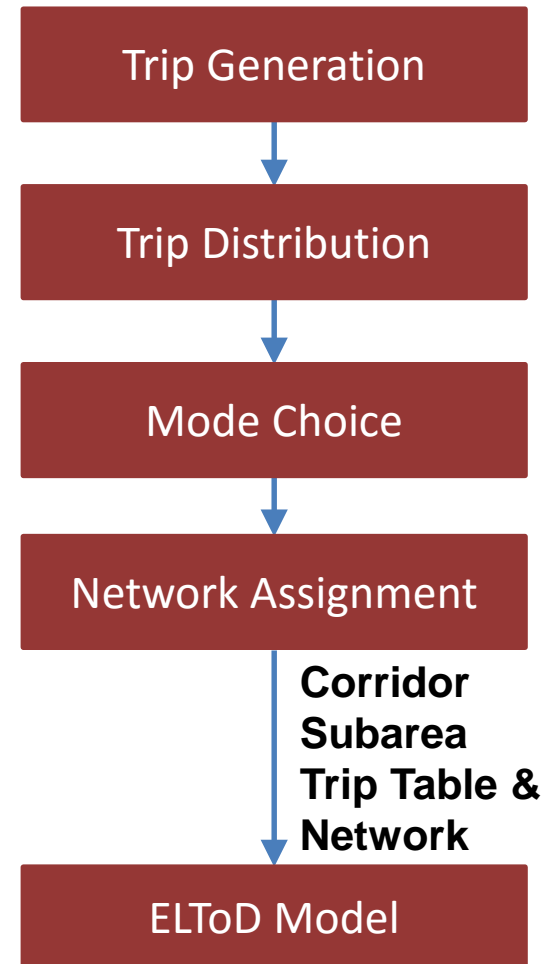


District 7: TBX

ELToD

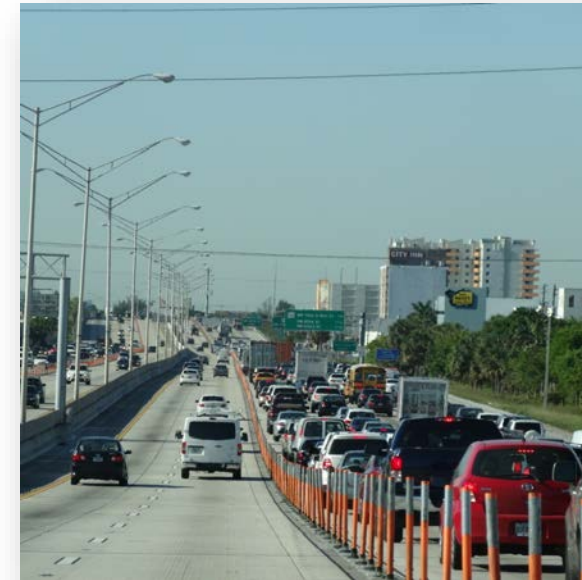
- Forecasts Express Lanes Traffic Volume and Hourly Toll Rates
- Current Version is ELToD 2.1 - Static Traffic Assignment Model
- Recently Completed Statewide Training Sessions
- Working on Version 3.0 – Dynamic Traffic Assignment

Four-Step Model




ELToD – Project Manager’s View

- Widely Used State of Practice Methodology
- Proven Effective and Low-Cost
- Comprehensive Guidance on Application to New Projects
- Open Source Allows Total Transparency
- Ensure Consistency on Project Evaluations



ELToD – Modeler's View

- Advanced Embedded Binary Toll Choice Model
- Dynamic Toll Rates
- One-Hour Trip Tables
- Cube  Software Platform
- Easy to Customize
- Short Run Time



QUESTIONS