A Study to Evaluate Express Toll Lanes on Florida’s Turnpike

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Integrated Congestion Pricing Plan (ICPP)

- Joint Study between FDOT and FHWA
- Initiated in 2011 and Completed in 2015
- Examined Congestion Management Strategies
- Evaluated Express Lanes on Toll Facility
- Focused on Large Urban Areas in Florida
Florida’s Turnpike System

- Western Beltway, Part C
- Suncoast Parkway
- Veterans Expressway
- Polk Parkway
- Southern Connector Extension
- Seminole Expressway
- Beachline East Expressway
- Beachline West Expressway
- Ticket System
- Southern Coin System
- Sawgrass Expressway
- SR 821 (Heft)

483 miles - Current Turnpike System
28 miles - Future Turnpike Facilities
511 miles
Why Express Lanes?

- Provide Travel Choices
- Improve Safety
- Increase Mobility
- Minimize Delay
- Offer Predictable Travel Time
- Maximize Construction Dollars
- Reduce Fuel Consumption
Public Outreach Tools and Strategies

Focus Groups

Coordination with Stakeholders

- Stated Preference Surveys
- Project Brochure
- Project Video
- Project Website
Focus Groups

• 10 Focus Groups Covering 3 Major Areas of the State
• Included Frequent and In-Frequent Users
• Overwhelming Support for Express Lanes
• Preference for 2 Lanes per Direction
• Major Support for Prohibiting Trucks
Stated Preference Surveys

- Computer-Assisted Self-Interview
- 220,000 SunPass® Customers
- 28,000 Postcards for Cash Drivers
- 3,000 Total Responses
- Estimate Value of Travel Time Savings

SunPass is a registered trademark of the Florida Department of Transportation
Willingness to Pay Additional Toll for Better Traffic Conditions

- Favor: Tampa 53%, Orlando 44%, South Florida 54%
- Neutral: Tampa 19%, Orlando 17%, South Florida 14%
- Oppose: Tampa 28%, Orlando 39%, South Florida 32%
• Brochure
  – Identify Congested Urban Areas
  – Describe Benefits of Express Lanes
  – Explain Study Phases and Proposed Projects

• Video
  – 10 Minutes Long
  – Explains How Express Lanes Operate

• Website
  – http://www.floridasturnpike.com/icpp
Express Lane Policies for Turnpike System

- Express Lane Segments
- Toll Rates
- Vehicle Eligibility
- Lane Separation
- Signing
- Must Have a Transponder
Veterans Expressway

- Widen from 4 to 8 Lanes
- Include 1 Express Lane per Direction
- 9 Miles of Express Lanes
- Open to Traffic in Phases Starting in Summer 2017
• Add 1 to 2 Express Lanes per Direction
• Open in Sections between 2017 & 2021
• Build Direct Connections
• Western Section: 2 Express Lanes per Direction
• Eastern Section: 1 Express Lane per Direction
• Project Opens to Traffic in 2018
Travel Demand Model Validation

Toll Plan and Access Points

Express Lane Time-of-Day Model to Provide:
  – Traffic and Toll Rates by Hour and by Direction

Post Model Factors

Revenue Forecasts
## Share of Traffic in Express Lanes

<table>
<thead>
<tr>
<th>Turnpike Facility</th>
<th>Florida Region</th>
<th>Percent Share</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Opening Year</td>
<td>2040</td>
</tr>
<tr>
<td>Veterans Expressway</td>
<td>West Central</td>
<td>6%</td>
</tr>
<tr>
<td>Beachline West</td>
<td>Central</td>
<td>5%</td>
</tr>
<tr>
<td>Turnpike/SR 821 (HEFT)</td>
<td>South</td>
<td>8%</td>
</tr>
</tbody>
</table>
Key Performance Measures

• Mobility/Reliability
  – Daily Traffic
  – Average Travel Speed
  – Travel Time Reliability
  – LOS During Peak Hours

• Safety
  – Number & Type of Crashes

• ETC Participation
• Public Acceptance
• Minimize Future Congestion
• 3 Turnpike Projects Under Construction
• Follow-up Surveys to Assess Customer Satisfaction
• Compare Actual Express Lane Usage with Model Forecast