Florida’s Turnpike Enterprise – The Business of Tolling

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AGENDA

- Why Tolls?
- Toll Agency Models
- Toll Financing
- Tolling Through the Years
- Getting to All Electronic Tolling (AET)
- Express Lanes
- Maintenance Options & Challenges
- Back Office Development
Why Tolls?

• Funding source
• Expediency of delivery
• Dedicated revenue stream
• Manage demand
Toll Agency Models

Department of Transportation

Toll Authority

Board of Directors
Toll Finance

- Traffic and Revenue Studies
- Bonding and Bond Ratings
- Debt Service
Toll Finance

Program Safeguards (Florida Turnpike)

• Statutory:
  ✓ Environmental feasibility
  ✓ Economic feasibility (12 yr / 50%, 30 yr / 100%)
  ✓ No diversion of revenues for non-System purposes

• Operational:
  ✓ Effective program management (part of FDOT with complementary priorities)
  ✓ Nationally recognized consultants

• Financial:
  ✓ 5-year Work Program
  ✓ 10-year Finance Plan
  ✓ Annual independent audit
  ✓ Debt service coverage ratio
Marketing Objectives

• Development and implementation of SunPass marketing campaign:
  • SunPass launched: 1999
  • 25% electronic toll participation: 2002
  • 50% electronic toll participation: 2004
  • 83% electronic toll participation: Today
• Implementation and management of SunPass retail operations
• Implementation of tourist outreach and SunPass sales component at Visit Florida Welcome Centers
• Nearly 11 million transponders sold
Cash Replenishment Options

Retail Replenishment Locations

- 5,442 network merchants offering
  - kiosk, terminal and/or web based business models
Retail Locations Throughout Florida
(Turnpike video)
Tolling through the Years

1957: Cash Toll Ticket
1990: Cash Exact Coin
1999: SunPass-only Lanes
1999: Mixed-mode Lanes
2003: Open Road Tolling
2011: All Electronic Tolling
Typical Tolling Point
Toll System Requirements/Standards

• Standard specifications for Civil Infrastructure
• Covers all disciplines for tolling site including architectural, electrical, mechanical and civil
• Updated on bi-annual basis
Getting to All Electronic Tolling

- Open-Road Tolling (ORT)
- Penetration Rate
- Video Billing & Business Rules
Getting to All Electronic Tolling

ORT
Open Road Tolling with Cash option

AET
All Electronic Tolling
Express Lanes – a new paradigm

- First Express Lane in Florida in 2008 (95 Express)
- Statewide Directive for capacity expansion and new Limited Access Facilities to be Express Lanes
- Statewide Standards and Policies for Consistency
- More than 30 Projects in Concept, Design or Construction
Express Lane Regional Concepts of Transportation Operations

Northeast Florida RCTO (Jacksonville)
Maintenance Contracting Options

- Performance-based contracting
- Vendor maintenance (traditional)
- Department maintained
Maintenance Challenges

- Legacy Toll Lanes
- MAP-21 and Interoperability
- Changing technology
- Expense of Knowledge-base
Maintenance Challenges
Florida’s Back Office History & Development

- Original system deployed in 1999
- 3 backoffice systems in state
- Varying business rules
- Interoperability

“One Call to Settle it All”
Questions?