Status of Transportation Projects in Puerto Rico

Carlos J. González Miranda Ph.D.
Secretary

September 9, 2008
Agenda

• Introduction
• Overview of the Authority
• Strategic Capital Projects
• Toll Road System Highlights
  – PR-22 (José De Diego)
  – PR-52 (Luis A. Ferré)
  – PR-66
  – PR-53, PR-20, PR-5
• Final Remarks
Overview of the Authority
HTA Plans and Finances Major Transportation Projects in the Commonwealth

- Key responsibilities
  - Plan and manage construction of all major transportation projects
  - Maintain and operate toll highways, Tren Urbano, Metrobus and Acuaexpreso ferry service
- FY2007 revenues of $544 million, including $327 million of taxes/fees and $217 million of tolls and farebox receipts
- $7.0 billion of outstanding senior, subordinate, and special obligation debt
- 3,040 employees
HTA Operates Six Toll Roads (174 Miles); Major Routes Include PR-22 and PR-52
PR-22 and PR-52 Account for the Majority of Revenues and EBITDA

Fiscal Year 2007
Revenue by Tollway

- PR-66: $16.6 million (8%)
- PR-20: $2.4 million (1%)
- PR-5: $3.9 million (2%)
- PR-53: $20.7 million (10%)
- PR-22: $90.8 million (42%)

Total Revenue = $217.2 million

Fiscal Year 2007
EBITDA by Tollway

- PR-66: $1.3 million (1%)
- PR-20: $2.4 million (2%)
- PR-5: $2.0 million (10%)
- PR-53: $13.2 million (10%)
- PR-22: $59.6 million (39%)

Total EBITDA = $152.2 million
EBITDA Margin = 70.1%

(1) Operating expenses allocated based on transaction volume
Strategic Capital Projects
Cable Stayed Bridge
Large Recent Investment in Road and Bridge Rehabilitation

- $320 million for road and bridge rehabilitation
  - Focused on PR-22, PR-52, and PR-53
- $278 million for urban and metro congestion relief
- PR-66 Phase II; land acquisition and construction to begin in 2008
- Historic annual spending of $400-$500 million for Highway System
Teodoro Moscoso Bridge

- Connects San Juan to Carolina and provides an alternative route to the Luis Muñoz Marín International Airport
- $4.00 roundtrip toll to travel the ~1.5 mile span
- 35-year Design/Build/Operate Concession
- Awarded to Autopistas de Puerto Rico y Compania (APR)/Dragados in 1991
- Financed in local Puerto Rico tax-exempt market
PR-2 is Being Converted to an Expressway
From Mayagüez to Ponce

- Conversion is part of the larger vision to create a beltway around the Island
- Expected completion in 2010 to accommodate the Central American Games celebration in Mayagüez
- Facilitates traffic between new cargo facilities at Port of Americas and Aguadilla Airport
- Investment: $230 million
PR-10 is Being Finished From Arecibo to Ponce

- Two segments will conclude next year
- Last three segments will start this year
- Expected to be completed by 2012
- Will cross North to South in less than one hour
Comerío Bypass PR-778. Segment I

- Construction of a bridge boarding La Plata River in the Municipality of Comerío
- This Project will connect with the Segment II, already in used.
- Reduces travel time to Comerío from the PR-156 by 20 minutes.
- Expected completion in September 2008
- Investment $ 33.3 million
Maunabo Tunnels
Part of PR-53 Completion Between Yabucoa and Guayama

- Inaugural tunnel construction project for the Authority
- Entails two tunnels carved through the mountain, connected by a viaduct
- Expected completion in Q2 of 2008
- Investment: $150 million
The Naranjito Bridge is a Key Component of the Extension of PR-5

- Puerto Rico’s first cable-stayed bridge
- 320 meters in length, 30.2 meter deck width
- Crosses La Plata River 20 miles south of San Juan
- Reduces travel time between Naranjito and San Juan by 10 minutes
- Investment: $32.4 million
Major Initiatives to Improve the Operation of the Highway System

AutoExpreso
- Implemented on 16 of 24 toll stations beginning in 2006
- Accounts for ~35% of total transactions

High Speed Lanes Reduce Congestion
- Eight high speed lanes with 21 additions planned for this year

One-Way Tolling to Increase Throughput and Reduce Congestion
- Implementation completed by October 2008

Upgrade of Toll Equipment to Reduce “Leakage”

Movable Barriers Minimize Congestion and Travel Time
- Approximately 6.5 miles of movable barriers with additional 9 miles by August 2008
Toll Road System Highlights

PR-22 (José De Diego)
PR-22 is the Primary East-West Artery and a Large Manufacturing Corridor

- Length: 52 miles
- Roundtrip Toll: $6.75
- Parallel Route: PR-2 (time loss ~45 minutes)
- Potential 27.8 mile extension
- Aguadilla Airport – new air cargo hub
PR-22 Extension Completes East-West Corridor And Will Result in Added Volume on Existing Road

- Extension Length: ~28.7 miles
- Current Route: PR-2 (time loss ~ 26 minutes)
- Estimated Cost: $625 million (2005 dollars)

Project Status
- Public Hearings completed on Environmental Impact Statement in September 2007
Toll Road System Highlights

PR-52 (Luis A. Ferré)
PR-52 is the Primary North-South Corridor Due to Geography and Limited Alternative Routes

- Length: 67 miles
- Total Roundtrip Toll: $6.00
- No contiguously parallel route (time loss ~1.5 hours)
- Caguas Norte, the highest revenue toll plaza in the system, experiences significant congestion at peak travel times
- Port of the Americas in Ponce will increase traffic volume

<table>
<thead>
<tr>
<th>Toll Plaza</th>
<th>2007 Transactions (MM)</th>
<th>7-Yr avg. growth</th>
<th>2007 Revenue ($MM)</th>
<th>7-Yr avg. growth</th>
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<td>Desvío Sur de Ponce</td>
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<td>Caguas Norte</td>
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<td>Montehiedra (Ramp)</td>
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<td><strong>TOTAL</strong></td>
<td><strong>123.4</strong></td>
<td><strong>1.5%</strong></td>
<td><strong>62.8</strong></td>
<td><strong>6.3%</strong></td>
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Port of the Americas Will Benefit Volume on PR-52

- New world-class terminal focusing on transhipment and domestic cargo
  - $250MM of $750MM invested
  - 2nd of 4 phases to be complete by 3Q 2008
Toll Road System Highlights

PR-66
PR-66 Connects San Juan with Popular Recreation Destinations

- Length: 9 miles
- Collections started in 2006
- Roundtrip Toll: $3.00
- Parallel Route: PR-3 (time loss of ~30 mins.)

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<th>Toll Plaza</th>
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Beltz Factory Outlets in Canóvanas Generates Significant Traffic Volume on PR-66
Roosevelt Roads Redevelopment Will Generate New Investment Along the PR-66 Corridor

- Roosevelt Roads Naval Station Closed in 2004
- 8,650 acre site includes 21 miles of coast line
- Ceiba Airport - new air cargo hub
- Reuse Plan includes:
  - Residential Development
  - Private Boat Marina
  - Waterfront Commercial Retail
  - Lodging
  - Light Industrial and Science Center
  - Heavy Aircraft Capable Airport
  - Open Space
Extension Will Reduce Congestion and Increase Volume Along the Entire Route

- Extension Length: ~3.8 miles
- Current Route: PR-3 (time loss of ~10 mins.)
- Estimated Cost: $184 million
- Estimated Traffic Volume (Phase I and II): 17.2 million vehicles per year
- Project Status: Permitting and design nearly complete; acquisition and construction to begin August 2008
Toll Road System Highlights

PR-53, PR-20, PR-5
PR-53 is the Primary Eastern Corridor

- Length: 37 miles – Fajardo to Yabucoa, Salinas to Guayama
- Extension between Yabucoa and Guayama; Maunabo Tunnels under construction
- One-way tolling began November 2007
- Roundtrip Toll: $5.00
- No alternative route
PR-20 Saves Travelers 10-15 Minutes

- Addition of tolling station upon extension to PR-1 in June 2000
- Length: 6 miles
- Parallel Route: PR-1 (time loss of 10-15 mins.)

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<td>TOTAL</td>
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<td>7.3%</td>
<td>$2.4</td>
<td>14.6%</td>
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PR-5 Reduces Travel Time by 10-15 Minutes

- Inaugurated in February 2006
- Length: 2.5 miles
- Reduces travel time to Bayamón from points south by 10-15 minutes
- Extension will increase traffic flows and reduce travel time by an additional 15 minutes; Naranjito Bridge currently under construction

<table>
<thead>
<tr>
<th>Toll Plaza</th>
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<th>2007 Revenue ($MM)</th>
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<td>TOTAL</td>
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Final Remarks

- PR Highway System started back in 1965
- PR Highway System will be finished by 2025
- It will connect the Island from North to South and East to West
- Continue efforts to implement Mass Transportation Systems in the Metropolitan Area
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