Cross-Border Transportation

Monterrey, Mexico
May 8th & 9th, 2006

Pedro Orso-Delgado, Director
Caltrans District 11
Outline

• California/Baja California Border Region
• Border Reality
• Trade Statistics
• Institutional Partnerships
• Planning For Development
• Challenges
Caltrans Districts
In Southern California

[Map showing districts in Southern California]
San Diego/Tijuana
Calexico/Mexicali
Border Reality
### Cross-Border Commuting

#### Calexico West Port of Entry

<table>
<thead>
<tr>
<th>Category</th>
<th>Fiscal Year 2005</th>
</tr>
</thead>
<tbody>
<tr>
<td>Daily Trucks</td>
<td>0</td>
</tr>
<tr>
<td>Daily Passenger Vehicles</td>
<td>16,994</td>
</tr>
<tr>
<td>Daily Person Arrivals Via Passenger Vehicles</td>
<td>32,152</td>
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<tr>
<td>Daily Pedestrian Crossings</td>
<td>12,628</td>
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</table>

#### Calexico East Port of Entry

<table>
<thead>
<tr>
<th>Category</th>
<th>Fiscal Year 2005</th>
</tr>
</thead>
<tbody>
<tr>
<td>Daily Trucks</td>
<td>1,152</td>
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<tr>
<td>Daily Passenger Vehicles</td>
<td>8,649</td>
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<tr>
<td>Daily Person Arrivals Via Passenger Vehicles</td>
<td>16,662</td>
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<td>Daily Pedestrian Crossings</td>
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#### San Ysidro Port of Entry

<table>
<thead>
<tr>
<th>Category</th>
<th>Fiscal Year 2005</th>
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<tbody>
<tr>
<td>Daily Trucks</td>
<td>0</td>
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<tr>
<td>Daily Passenger Vehicles</td>
<td>46,471</td>
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<tr>
<td>Daily Person Arrivals Via Passenger Vehicles</td>
<td>86,769</td>
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<tr>
<td>Daily Pedestrian Crossings</td>
<td>24,036</td>
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</table>
Cross-Border Commuting

- **Security**
  - Post 9/11
  - 5/01 Immigration Demonstrations

- **U.S. Visit**
  - Entry/Exit records for visa holders
  - Potential vehicular lines exiting U.S.
  - Highway Safety concerns

- **Pre-Clearance Programs**
  - Sentri for People
  - FAST for commercial Vehicles

- **Remote-Inland Inspection Processes**
  - Unavailable at Southwest border
Regional Population Growth

Existing - 5 Million

2030 Projection - 9 Million
Lost Economic Benefits
San Diego-Baja California
Personal Travel and Freight Movements

$4.2 Billion in Lost Output =

3 1/2 San Diego Convention Centers

42,200 Lost Jobs =

8-9 Qualcomm Companies
Lost Economic Benefits
United States and Mexico
Personal Travel and Freight Movements

$6.0 Billion in Lost Output = **Southwest Airlines**

Port of San Diego

51,300 Lost Jobs = **Nearly 2 Boeing Companies in California**
Trade Statistics
Otay Mesa Crossing
California Trade with Mexico by Truck

Billions of U.S. Dollars

Year


$12.5 $15.4 $19.4 $21.7 $24.3 $27.9 $27.4 $29.6 $29.4 $32.9
Interconnected Economic Development

Maquiladora Growth

Number of Plants

Year

1978 178
1980 230
1990 640
2000 1,218
2006 1,235
2010 903
California/Mexico Distribution of Trucks

Source: 2003 Commercial Vehicle Border Crossing Survey
Caltrans District 11
Institutional Partnerships
U.S. Partners

Federal
- USDOS, DHS, CBP, GSA, FHWA

State
- CALTRANS

Local
- SANDAG, SCAG, IVAG
- County of San Diego
- County of Imperial
- City of San Diego
- City of Calexico
Mexican Partners

Federal
- SRE, SCT, INDAABIN
- ADUANA

State
- SIDUE

Local
- IMPLAN, IMIP
- Municipality of Tijuana
- Municipality of Tecate
- Municipality of Mexicali
Coordinating Mechanisms

- Joint Working Committee (JWC)
- Borders Governor’s Conference (BGC)
- U.S.-Mexico Border Crossings and Bridges Group
- CA-BC Bi-State Transportation Technical Advisory Committee (BTAC)
- SANDAG’s Committee on Binational Regional Opportunities (COBRO)
Planning For Development
Planning Tools

- U.S./Mexican Traditional Planning
- Border Master Planning Process
- Infrastructure & Traffic Operations Bottlenecks
- Geographic Information Systems (GIS)
- Transportation Modeling
# Highway Projects

<table>
<thead>
<tr>
<th>Project Description</th>
<th>Project Cost</th>
<th>Programmed Funding</th>
<th>Shortfall</th>
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<tr>
<td><strong>Imperial County Projects</strong></td>
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<tr>
<td>9 SR-78/111 &quot;Brawley Bypass&quot;</td>
<td>$118.0</td>
<td>$90.0</td>
<td>$28.0</td>
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<tr>
<td>Stage 2 Construction Underway - Final Completion 2010</td>
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<tr>
<td>10 I-8/Imperial Avenue</td>
<td>$39.2</td>
<td>$4.9</td>
<td>$34.3</td>
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<tr>
<td>Environmental Studies Underway</td>
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<tr>
<td>11 SR-98 (West Project)</td>
<td>$11.0</td>
<td>$2.0</td>
<td>$9.0</td>
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<tr>
<td>Environmental Studies Underway</td>
<td></td>
<td></td>
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<tr>
<td>12 SR-98 (East Project)</td>
<td>$40.0-$60.0</td>
<td>$12.5</td>
<td>$27.5 - $47.5</td>
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<tr>
<td>Environmental Studies Underway</td>
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<tr>
<td>13 SR-111</td>
<td>Completed</td>
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<tr>
<td>14 SR-7 (SR-98 to I-8)</td>
<td>$0.0</td>
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<tr>
<td>Total Imperial County</td>
<td>$304.2 - $344.2</td>
<td>$111.2</td>
<td>$193.0 - $233.0</td>
</tr>
</tbody>
</table>

* Final Completion is Pending Future Availability of Funds

**SOURCE:** State of Baja California Secretariat of Infrastructure and Urban Development (SEDUE)
Projects Inside POEs

Local Low Cost Initiatives

SENTRI Lane at San Ysidro POE

Previous Exit Lanes

Caltrans Share: $300 k
CBP Share: $200 k
Total Cost: $500 k

FAST Lane

HOV Lanes
Adjacent to POEs

Otay Mesa Southbound Truck Route

The Project:
The planned project would construct a new dedicated roadway for southbound unladen trucks.

Benefits from this project include alleviating impacts on local traffic and commercial businesses.

Cost & Schedule:
Southbound truck project is estimated at $16.9 million with a shortfall of $15.2 million.
Projects

SR-7
SR-111
Brawley Bypass
New Binational Project at Otay Mesa East/Mesa de Otay II

**The Project**

- SR-11
- US POE
- Mexican POE
- Connector from POE to Tijuana-Tecate Toll Road

**Potential Cost:** $338-557 million

**Available:** $8 million

**Needed:** $330-549 million
Calexico/Mexicali New Proposed Crossing

Existing & Planned Transportation Infrastructure

- POEs
- Highways
  - Existing Network
  - Planned Network
- Rail
- Airports
Challenges/Funding

Sources

Traditional
- STIP
- Sales Tax
- Local

New
- SAFETEA-LU
  - Corridor Border
  - Infrastructure Program
  - Funding
    - California Share $106m
- Innovative Financing
Challenges/Binational Coordination

- Institutional and Political Processes
- Multiplicity of Involved Governmental Agencies
- Different Political/Financial Horizon Years
Overall Objective

New Vision for the Border

- New Border Vision
- Seamless Border (European Example)
- Secure Manufacturing
- Secured Points of Origin/Transport Corridors