Estimating Economic Impacts of Border Wait Times at the San Diego-Baja California Region

Conducted for SANDAG

April 6, 2005
Introduction

- Figures based on 3,603 interviews
- Northbound crossings, destination SD County
- Data were weighted in six dimensions based on DHS volume data to adjust for oversampling
  - POE
  - Mode
  - Day Type (weekday or weekend)
  - Time of day (peak or offpeak on weekdays)
  - Type of lane (normal or SENTRI)
  - Period (holiday or non-holiday)
- Representative of crossings, not crossers
Residency of Border Crossings

Live in US: 29.3%
Live in Mexico: 70.7%
Trip Origin Among those Who Live in Mexico

- Tijuana: 91.3%
- Ensenada: 2.3%
- Rosarito: 2.5%
- Tecate: 3.5%
- Mexicali: 0.2%
- Other: 0.3%
Destination Among those Who Live in Mexico

- Chula Vista (City of San Diego) 33.6%
- San Ysidro (City of San Diego) 27.2%
- Other areas in City of San Diego 20.8%
- Other area in San Diego County 5.5%
- Otay Mesa (City of San Diego) 4.3%
- National City 2.9%
- Outside San Diego County 5.6%
- Outside San Diego County 5.6%
Destination Among those Who Live in United States

- Tijuana: 86.7%
- Ensenada: 2.8%
- Tecate: 4.5%
- Rosarito: 4.8%
- Other area in Mexico: 1.1%
Purpose of Trip – those Who Live in Mexico

<table>
<thead>
<tr>
<th>Purpose of Trip</th>
<th>Primary Purpose</th>
<th>Secondary Purpose</th>
</tr>
</thead>
<tbody>
<tr>
<td>Medical</td>
<td>0.3</td>
<td>0.9</td>
</tr>
<tr>
<td>Shopping or errands</td>
<td>8.5</td>
<td></td>
</tr>
<tr>
<td>Work or business</td>
<td>1.0</td>
<td>17.1</td>
</tr>
<tr>
<td>Visit friends or family</td>
<td>5.9</td>
<td>12.4</td>
</tr>
<tr>
<td>School</td>
<td>2.6</td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td>1.1</td>
<td></td>
</tr>
<tr>
<td>Recreation or vacation</td>
<td>1.9</td>
<td></td>
</tr>
<tr>
<td>Medical</td>
<td>0.2</td>
<td></td>
</tr>
<tr>
<td>Purchase or errands</td>
<td>1.9</td>
<td></td>
</tr>
<tr>
<td>Work or business</td>
<td>2.5</td>
<td></td>
</tr>
<tr>
<td>Visit friends or family</td>
<td>0.9</td>
<td></td>
</tr>
<tr>
<td>School</td>
<td>0.3</td>
<td></td>
</tr>
</tbody>
</table>
Purpose of Trip – those Who Live in United States

- Visit friends or family: 55.7%
- Shopping or errands: 12.7% (Primary), 12.3% (Secondary)
- Work or business: 9.1% (Primary), 1.3% (Secondary)
- Recreation or vacation: 8.9% (Primary), 7.1% (Secondary)
- Medical: 8.5% (Primary), 1.3% (Secondary)
- Other: 4.4% (Primary), 2.8% (Secondary)
- School: 0.6% (Primary), 0.0% (Secondary)

Percentage of Border Crossings Among American Residents
Number of Crossings in Past 30 Days

Number of Times Crossing Border at Current POE

- Live in Mexico
- Live in United States

- 0 to 1
- 2 to 5
- 6 to 10
- 11 to 20
- More than 20

Percentage of Border Crossings:
- 8.4
- 20.5
- 43.3
- 11.8
- 18.7
- 16.9
- 10.9
Expected Wait Time

<table>
<thead>
<tr>
<th>Expected Wait Time</th>
<th>Percentage of Border Crossings</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 to 15</td>
<td>Live in Mexico: 13.3, Live in United States: 9.6</td>
</tr>
<tr>
<td>16 to 30</td>
<td>Live in Mexico: 32.6, Live in United States: 29.8</td>
</tr>
<tr>
<td>31 to 45</td>
<td>Live in Mexico: 11.0, Live in United States: 11.0</td>
</tr>
<tr>
<td>46 to 60</td>
<td>Live in Mexico: 28.8, Live in United States: 31.6</td>
</tr>
<tr>
<td>61 to 90</td>
<td>Live in Mexico: 9.1, Live in United States: 9.0</td>
</tr>
<tr>
<td>More than 90</td>
<td>Live in Mexico: 5.1, Live in United States: 9.0</td>
</tr>
</tbody>
</table>
Expected US Spending this Trip (Live in Mexico)

- Overall: $142.01
- Non-holiday: $140.16
- Holiday: $168.28
Spending Distribution this Trip
(Live in Mexico)

Percentage of Border Crossings

Dollars Expected to be Spent in US on Current Trip

- 0 to 25: 21.3
- 26 to 50: 20.3
- 51 to 75: 5.8
- 76 to 100: 19.8
- 101 to 150: 7.5
- 151 to 200: 9.9
- 201 to 300: 5.4
- 300 or more: 10.0
Intention of Spending had Trip Not Been Taken

- Spend in Mexico instead: $30.02
- Spend in US on future trip: $86.01
- Save money: $19.88

Overall: $93.71
Non-holiday: $86.01
Holiday: $19.60

Intention of Spending had Trip not Been Taken

Average Dollars per Crossing

Spend in Mexico instead: $30.02
Spend in US on future trip: $86.01
Save money: $19.88

Overall: $93.71
Non-holiday: $86.01
Holiday: $19.60
Stated Mexico Spending this Trip (Live in United States)

Average Dollars per Crossing

- Overall: $144.32
- Non-holiday: $137.67
- Holiday: $215.62

True North Research
Intention of Spending had Trip Not Been Taken

Average Dollars per Crossing

- **Spend in US instead**
  - Overall: $60.06
  - Non-holiday: $57.81
  - Holiday: $84.13

- **Spend in Mexico on future trip**
  - Overall: $44.70
  - Non-holiday: $43.24
  - Holiday: $60.28

- **Save money**
  - Overall: $28.55
  - Non-holiday: $25.46
  - Holiday: $61.60

Intention of Spending had Trip not Been Taken

True North RESEARCH
**Work Strategy for Unexpected Extra Hour of Wait Time**

<table>
<thead>
<tr>
<th>Work Strategy</th>
<th>Live in Mexico</th>
<th>Live in United States</th>
</tr>
</thead>
<tbody>
<tr>
<td>Work same number of hours</td>
<td>49.4%</td>
<td>56.7%</td>
</tr>
<tr>
<td>Work one less hour</td>
<td>50.6%</td>
<td>43.3%</td>
</tr>
</tbody>
</table>
### Work Strategy if Wait Time Always Two Hours

<table>
<thead>
<tr>
<th></th>
<th>Live in Mexico</th>
<th>Live in United States</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stop working in other country</td>
<td>14.0%</td>
<td>46.6%</td>
</tr>
<tr>
<td>Continue working in other</td>
<td>86.0%</td>
<td>53.4%</td>
</tr>
<tr>
<td>country</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Willingness to Pay $3 at Proposed East Otay Mesa POE

- Would use East Otay Mesa POE: 59.4%
- Sometimes use East Otay Mesa POE: 14.2%
- Would not use East Otay Mesa POE: 26.5%
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