Decision Time

Tim Watkins
San Bernardino Associated Governments
Public Information
Each Express Lane carries 1,692 vehicles per hour
Each congested General Purpose lane carries 842 vehicles per hour
HOV LANE ALTERNATIVE
One High Occupancy Vehicle Lane (HOV) in Each Direction
EXPRESS LANES ALTERNATIVE
Two Express Lanes in Each Direction

2 EXPRESS LANES
4 GENERAL PURPOSE
AUXILIARY
(at some locations)
SHOULDER
SHOULDER
Decision Time

Manage Traffic

Generate Revenue
• Express Lane usage is optional
• Opinions improve with experience
• Surveys find users and supporters across all income levels
• Projects that increase the choices available to travelers are helpful to low-income residents

Equity???

Over 40 papers and reports reviewed
General Purpose Lane Travel Time (Yr. 2030)
Los Angeles County Line to Ford Street, Redlands

Source: CDM Smith traffic model results September 2013
General Purpose Lane Travel Time (Yr 2030)  
State Route 60 to US Route 395

Source: CDM Smith traffic model results September 2013
Low-income drivers would benefit from Express Lanes
- Faster travel times in general purpose lanes
- Option to use Express Lanes – not priced out

Tolls are the most equitable form of finance

Transponders could pose a financial burden
- Can adopt toll policies to address
- Consider video license plate recognition

Express Lanes enable future provision of mobility choices on the I-10 and I-15 corridors
PM Peak Eastbound

<table>
<thead>
<tr>
<th>Movement</th>
<th>Distance</th>
<th>Time Saved (Minutes)</th>
<th>Express Lane Toll</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-B</td>
<td>8.1 Miles</td>
<td>6.8</td>
<td>$2.02 ($0.30/minute)</td>
</tr>
<tr>
<td>A-C</td>
<td>21 Miles</td>
<td>14.5</td>
<td>$5.26 ($0.36/minute)</td>
</tr>
<tr>
<td>A-D</td>
<td>33 Miles</td>
<td>20.2</td>
<td>$7.15 ($0.35/minute)</td>
</tr>
</tbody>
</table>

*Tolls in 2012 Dollars
Traffic & Revenue
Travel Time Savings Via Express Lanes (2030)

PM Peak Eastbound

<table>
<thead>
<tr>
<th>Movement</th>
<th>Time Saved (Minutes)</th>
<th>Express Lane Toll</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-B (9 Miles)</td>
<td>14.0</td>
<td>$4.10 ($0.29/minute)</td>
</tr>
<tr>
<td>A-C (17 Miles)</td>
<td>21.7</td>
<td>$7.48 ($0.34/minute)</td>
</tr>
<tr>
<td>A-D (33 Miles)</td>
<td>43.0</td>
<td>$15.02 ($0.35/minute)</td>
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</table>
# Toll & Revenue

## Compare Revenues and Toll Rates

<table>
<thead>
<tr>
<th>Express Lanes Project</th>
<th>Length (miles)</th>
<th>Corridor ADT</th>
<th>Peak Period Through Trip Toll</th>
<th>Midday Through Trip Toll</th>
<th>Average Daily Toll Rate ($/mile)</th>
<th>Annual Revenue (000)</th>
<th>Annual Revenue Per Lane-Mile (000)</th>
<th>Tolling Policy (min. occ. for free travel)</th>
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</thead>
<tbody>
<tr>
<td>SR 91, CA</td>
<td>10</td>
<td>265,000</td>
<td>$9.10</td>
<td>$2.15</td>
<td>$0.29</td>
<td>$35,000</td>
<td>$875</td>
<td>HOV-3+</td>
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<td>I-95, FL</td>
<td>6</td>
<td>275,000</td>
<td>$3.25</td>
<td>$0.50</td>
<td>$0.14</td>
<td>$17,000</td>
<td>$708</td>
<td>HOV-3+</td>
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<tr>
<td>I-495, VA</td>
<td>14</td>
<td></td>
<td>$7.55 (est.)</td>
<td>$2.55</td>
<td>$0.11</td>
<td>$16,000 (est.)</td>
<td>$286</td>
<td>HOV-3+</td>
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<tr>
<td>I-85, GA</td>
<td>16</td>
<td>240,000</td>
<td></td>
<td></td>
<td></td>
<td>$5,000</td>
<td>$160</td>
<td>HOV-3+</td>
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<tr>
<td>I-394, MN</td>
<td>11</td>
<td>165,000</td>
<td>$5.00</td>
<td>$0.50</td>
<td>$0.13</td>
<td>$1,600</td>
<td>$73</td>
<td>HOV-2+</td>
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<td>I-10 (2035)</td>
<td>33</td>
<td>250,000</td>
<td>$11.76</td>
<td>$2.32</td>
<td>$0.07</td>
<td>$54,000</td>
<td>$409</td>
<td>HOV-3+</td>
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<td>I-15 (2035)</td>
<td>33</td>
<td>200,000-250,000</td>
<td>$24.12</td>
<td>$2.44</td>
<td>$0.11</td>
<td>$82,000</td>
<td>$621</td>
<td>HOV-3+</td>
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</tbody>
</table>
I-10 Express Lanes - Debt Service and Projected Net Revenues

- TIFIA
- Senior CCABs
- Senior CABs
- Senior CIBs
- Net Revenues
- Net Revenues-High VOT
- Net Revenues-Low VOT

Financial Analysis
LA County Line to Ford St.
I-15 (seg. 1-3) Express Lanes - Debt Service and Projected Net Revenues

- TIFIA
- Senior CCABs
- Senior CABs
- Senior CIBs
- Net Revenues
- Net Revenues-High VOT
- Net Revenues-Low VOT

Financial Analysis
SR-60 to Devore Interchange
Each Express Lane carries 1,692 vehicles per hour

Each congested General Purpose lane carries 842 vehicles per hour
Check us out on the web:
www.sanbag.ca.gov
www.i10corridorproject.org

Give us a call...
909.884.8276