I-80 CORRIDOR ECONOMIC IMPACTS IMPROVEMENT PROJECTS
SOLANO TRANSPORTATION AUTHORITY

Sean Quinn
Solano Economic Development Corp
sean@solanoedc.org

Robert Eyler, PhD
Economic Forensics and Analytics
eyler@econforensics.com

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Overview

• Project Goals
  • Provide economic impact estimates from construction of three infrastructure projects:
     I-80 Westbound Cordelia Truck Scales Improvements;
     I-80/I-680/SR12 Interchange Improvements; and
     I-80 Solano Express Lanes Addition
  • Provide economic impacts from time savings after improvements reduce congestion
     Time savings for workers: more work, more pay
     Time savings for businesses: more work, more revenue
     Time savings for logistics: less waiting, more productivity, more revenue
Cordelia Truck Scales

[Map showing proposed improvements around Cordelia Truck Scales, including proposed truck scales, NBA relocation, and widen SR-12 to WB I-80 connector.]
I-80/I-680/SR-12 Improvements
I-80/I-680/SR-12 Improvements
I-80/I-680/SR-12 Improvements
Express Lanes

WEST SEGMENT: Convert existing HOV Lanes to Express Lanes

EAST SEGMENT: Median widening to achieve additional lane for new Express Lanes in each direction

I-80 EXPRESS LANES PROJECT: PM 10.4 TO PM 30.2
Methodology

• Construction: classic economic impact
  • Construction spending has ripple effects from government spending (direct) to household spending (indirect and induced)
  • Last as long as construction lasts

• Operations: Time Savings
  • Time savings for workers: more work, more pay
  • Time savings for businesses: more work, more revenue
  • Time savings for logistics: less waiting, more productivity, more revenue

• More business revenue and worker wages
  • Annual gains for each
  • Time savings annual and ongoing
Economic Impacts: Construction

- Direct Impacts
- Indirect Impacts
- Induced Impacts

Total Economic Impacts
Economic Impacts: Time Savings

Induced Impacts

Total Economic Impacts
Savings once operating: Value Add

• Approx. 128,000 cars daily: Worker Time
  • 2015 (the latest data)
  • 90 percent of AADT are commuting workers facing:
    • 24.5 minutes to get to jobs in Solano County; and
    • 30.6 minutes to jobs outside;
  • Travel times valued at $18.32 per hour at the median.
• Business Value Add up from 49% mark-up to wages
• Truck traffic counts approximately 7,900 daily
  • Worth approximately $223 million annually
  • 35 minutes avg. travel time in 2015; and
  • Expect trucking counts up by 1.25 percent per year.
Estimates for Economic Impacts

Construction: $740 million in spending on projects over 4-5 years
• $1.002 billion in business revenues
• 5,720 jobs
• $35 million in tax revenues

Time Savings Annually (Solano/California Otherwise)

<table>
<thead>
<tr>
<th>Category of Gain</th>
<th>Business Revenues Annually</th>
<th>Jobs Supported</th>
<th>State/Local Taxes Annually</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business Value Add from Labor</td>
<td>$48.2/$30.7 million</td>
<td>275/150 FTE Jobs</td>
<td>$1.72/$1.4 million</td>
</tr>
<tr>
<td>Trucking Time</td>
<td>$9.4/$4.5 million</td>
<td>60/18 FTE jobs</td>
<td>$0.34/$0.21 million</td>
</tr>
<tr>
<td>Worker Time</td>
<td>$36.2/$31.2 million</td>
<td>268/141 FTE Jobs</td>
<td>$2.83/$1.4 million</td>
</tr>
<tr>
<td>Totals</td>
<td>$93.8/$66.4 million</td>
<td>603/309 FTE Jobs</td>
<td>$4.89/$3.01 million</td>
</tr>
</tbody>
</table>
Thanks!

Questions?