State Route 12 Corridor Study

53-Mile, Multi-Jurisdictional Corridor

- 4 Counties -- Napa, Solano, Sacramento & San Joaquin
- 3 Caltrans Districts -- 3, 4 and 10
- Developed areas -- Suisun City, Fairfield & Rio Vista
- Rural communities, farmlands and portions of the Delta
- 2 Major Interstate routes -- I-80 and I-5
- 2 Railway lines -- Union Pacific & Sacramento Northern
- 3 Bridges -- Rio Vista, Mokelumne and Potato Slough

Source: PBS&J, 2011
Conduct a comprehensive evaluation of the State Route 12 corridor from SR-29 in Napa County through Solano, Sacramento, and San Joaquin Counties to I-5, building upon previous studies and projects.

Identify improvement strategies that address near- and long-term needs of the SR-12 corridor through an active stakeholder collaboration process.

Inform future county and regional funding and planning processes.
State Route 12 Corridor Study

Work Plan & Major Milestones

State Route 12

Comprehensive Corridor Evaluation and Corridor Management Plan

Technical Work

Environmental Scan Memo
Existing Conditions Memo
Future Conditions Memo
Corridor Improvement Strategies Memo
Engineering Analysis Report
Recommended Corridor Improvement Strategies Memo
Draft Plan
Final Plan

Technical Advisory Group

Kick-Off (JULY, 2010)
Existing Conditions
Future Conditions/Potential Corridor Strategies
Evaluation of Strategies/Study Recommendations

Public and Stakeholder Meetings

Fact Sheet
Stakeholder Meeting
Stakeholder Meeting
Stakeholder Meeting
Newsletter
Evaluation of Strategies/Study Recommendations

2010
2011
2012

SEPT OCT NOV DEC JAN FEB MARCH APRIL MAY JUNE JULY AUG SEPT OCT NOV DEC JAN FEB
State Route 12 Corridor Study

Major Corridor Issues

- Freight and goods movement
- Future levels of commuting to the Bay Area/Solano County
- Access, mobility and safety
- Future development in Rio Vista
- Increased Shipping to the Port of Sacramento
- Travis AFB as a military installation and as a joint passenger / freight airport
- Preservation of the Delta environment
- Location appropriate design
- Policy Mandates such as SB 375
- Integration of economic, environmental and equity concerns
Future Conditions Analysis

2035 Forecast

- Population is expected to grow by 40%, with the largest increase in the Rio Vista area (70%).
- Employment is expected to grow by 50% with the largest concentrations in the Fairfield, Suisun City and Rio Vista areas.
- Traffic demand along two-lane rural sections is expected to double.

<table>
<thead>
<tr>
<th>Year</th>
<th>Vehicles per Day</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010</td>
<td>9,000 – 40,000</td>
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<tr>
<td>2035</td>
<td>18,000 – 48,000</td>
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</tbody>
</table>
Future Conditions Analysis

2035 Forecast

- Truck traffic is expected to increase by 34 to 71 percent.

<table>
<thead>
<tr>
<th>Year</th>
<th>Trucks per Day</th>
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</thead>
<tbody>
<tr>
<td>2010</td>
<td>950 – 3,750</td>
</tr>
<tr>
<td>2035</td>
<td>2,850 – 5,850</td>
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</table>

- Moveable bridge operations are expected to double from previous highs.

<table>
<thead>
<tr>
<th>Year</th>
<th>Rio Vista Bridge Openings</th>
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</thead>
<tbody>
<tr>
<td>2004</td>
<td>200/month</td>
</tr>
<tr>
<td>2010</td>
<td>100/month</td>
</tr>
<tr>
<td>2035</td>
<td>440/month</td>
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</tbody>
</table>
Potential Corridor Improvement Strategies
Potential Corridor Improvement Strategies

• Overview

• Common Elements
  – Pedestrian Facilities
  – Bicycle Facilities
  – Transit
  – Intelligent Transportation Systems
  – Bridge Operations
Potential Corridor Improvement Strategies

Location of SHOPP/STIP Projects

- I-80/I-680/SR 12 Interchange Project
- SR 12 Roadway Rehabilitation Project (West of Currie Rd to Liberty Island Rd)
- SR 12 & Church Rd Intersection PSR
- SR 12 Roadway Rehabilitation Project (Between Rio Vista Bridge and Mokelumne Bridge)
- SR 12 Boudlin Island Project (Between Mokelumne Bridge and Potato Slough Bridge)
- Potato Slough Bridge
- SR 12 Improvement Project (Boudlin Island to I-5)
- Jameson Canyon Road Project
- SR 12 Roadway Rehabilitation Project (Walters Rd to Currie Rd)
State Route 12 Corridor Study

Potential Corridor Improvement Strategies

1. Gap-fill Strategy
   - Builds upon SHOPP/STIP projects
   - Addresses traffic, safety and operational problems

2. Barrier Separated Two-Lane Strategy
   - Defines and applies an enhanced two-lane cross section throughout the corridor
   - Includes concrete median barrier
   - Strategically located passing lanes

3. Four-Lane Strategy
   - Implements a minimum four-lane section throughout the corridor
   - Includes bridge re-alignments
   - Evaluates expressway options
Potential Corridor Improvement Strategies

Evaluation Criteria

• **Quantitative**
  – Mobility Metrics
  – Air Quality
  – Cost

• **Qualitative**
  – Transportation System Effectiveness
  – Safety
  – Economic Vitality
  – Environmental Impact
  – Equity
State Route 12 Corridor Study

Next Steps

• Upcoming Work
  – Evaluation of Strategies
  – Development of Short-term and Long-term Recommendations

• Next Public Meeting
  – Early 2012

• To provide input:
  – www.movingsr12forward.com