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SR12



State Route 12

Comprehensive Corridor Evaluation and Corridor Management Plan

Public Meeting



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



Goals

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.

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Moving Forward
STATE ROUTE 12 CORRIDOR STUDY

SR 12 passes through **4** counties (Napa, Solano, Sacramento, and San Joaquin), **3** Caltrans Districts (3, 4 and 10), developed areas including Suisun City, Fairfield and Rio Vista, rural communities, farmlands and portions of the Delta. The route crosses **2** major Interstate routes (I-80 and I-5), **2** railway lines (Union Pacific and Sacramento Northern), navigable water bodies with **3** bridges (most notably the Sacramento River Crossing at Rio Vista) and numerous at-grade and grade separated intersections.

Corridor Overview

SR 12 supports interregional, recreational, commuter, agricultural and military traffic between the Bay Area and the San Joaquin Valley. SR-12 is important for recreational travelers destined for Napa, Solano and Sonoma Counties as well as the Delta. It also serves as a commute corridor and a significant interregional goods movement corridor because of its direct access to I-80, I-5 and Travis Air Force Base.

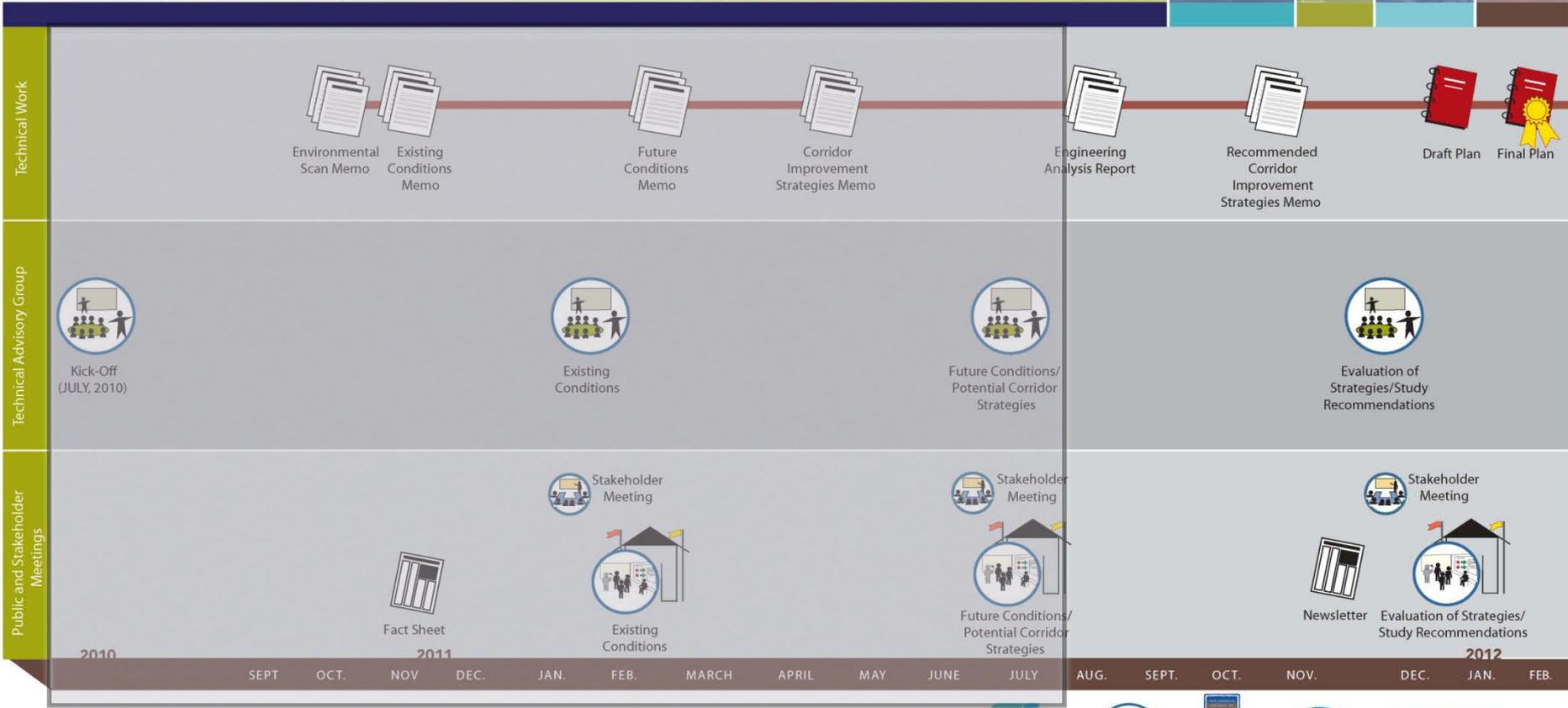
GOAL
The goal of the study process is to develop a multi-jurisdictional corridor management plan that includes stakeholder input and consensus on a set of near-and long-term improvement strategies for SR 12.

This plan will build upon and update existing studies for the SR 12 corridor and incorporate the most recent transportation forecasts based upon current land use plans for each of the counties located along the corridor.

Work Plan & Major Milestones

State Route 12

Comprehensive Corridor Evaluation and Corridor Management Plan



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.

| Year | Vehicles per Day |
|------|------------------|
| 2010 | 9,000 – 40,000 |
| 2035 | 18,000 – 48,000 |

Future Conditions Analysis

2035 Forecast

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

| Year | Trucks per Day |
|------|----------------|
| 2010 | 950 – 3,750 |
| 2035 | 2,850 – 5,850 |

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

| Year | Rio Vista Bridge Openings |
|------|---------------------------|
| 2004 | 200/month |
| 2010 | 100/month |
| 2035 | 440/month |

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Potential Corridor Improvement Strategies

Potential Corridor Improvement Strategies

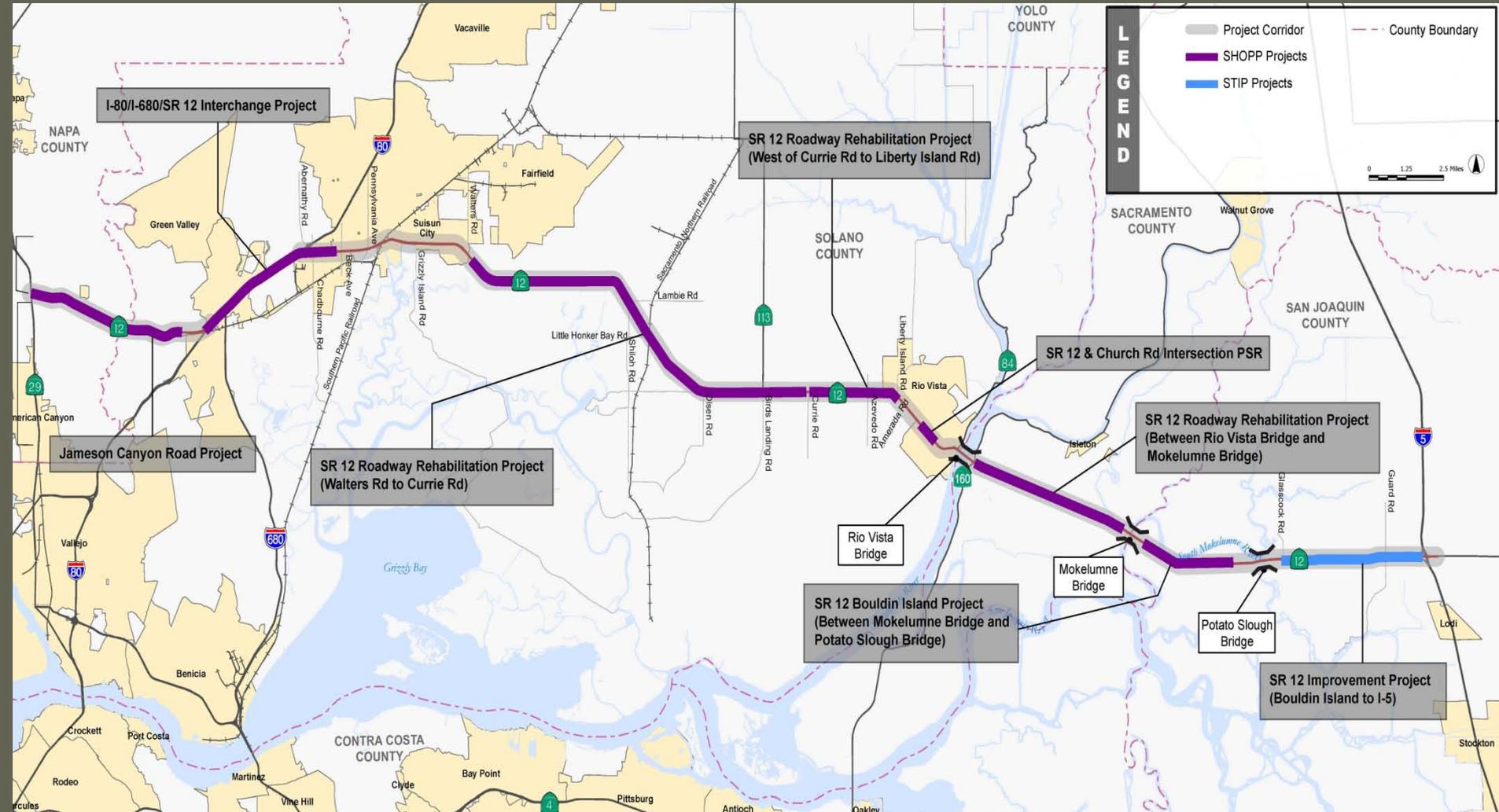
- Overview
- Common Elements
 - Pedestrian Facilities
 - Bicycle Facilities
 - Transit
 - Intelligent Transportation Systems
 - Bridge Operations



SR-12 – Rio Vista Bridge

Potential Corridor Improvement Strategies

Location of SHOPP/STIP Projects



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

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

