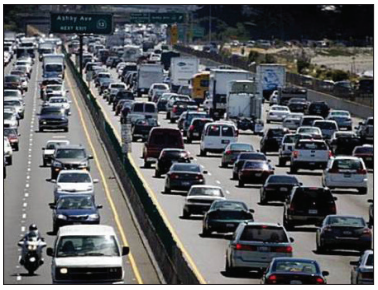
I-80 SMART CORRIDOR PROJECT

FALL 2015

Improving Safety and Mobility Along the I-80 Corridor

THE NEED

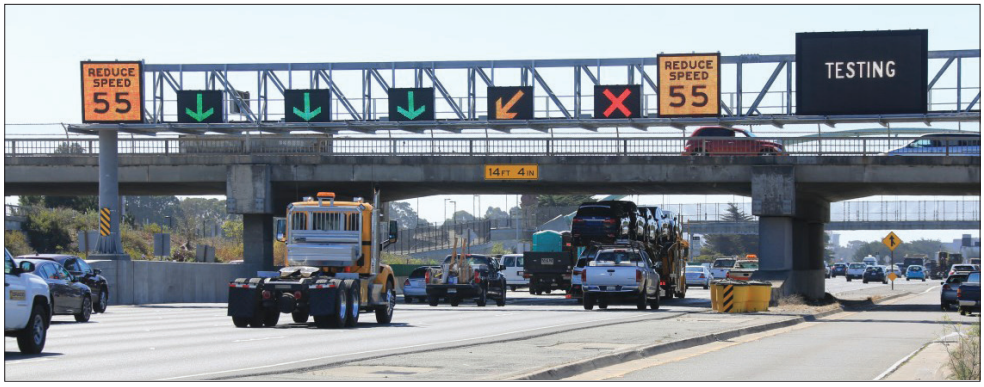
Interstate 80 (I-80), an integral part of the San Francisco Bay Area transportation network and a major route for commuters and transit services, is crucial for the transport of goods into and out of the region. Currently, when an incident occurs, unexpected traffic jams cause secondary accidents, worsening congestion, impacting incident recovery times and making travel times unpredictable.



As many as 270,000 vehicles per day use the I-80 corridor, currently one of the most congested in the San Francisco Bay Area. This project focuses on the I-80 corridor and San Pablo Avenue from the Carquinez Bridge to the Bay Bridge within Alameda and Contra Costa counties.

THE PROJECT

The California Department of Transportation (Caltrans), Alameda County Transportation Commission (Alameda CTC) and Contra Costa Transportation Authority (CCTA), in cooperation with the nine cities and two transit agencies along the corridor, are implementing the **I-80 SMART Corridor** project, an Intelligent Transportation System (ITS) that will improve travel time reliability and reduce accidents and associated congestion. ITS is the integration of communication technologies into the transportation infrastructure to improve safety and mobility. By giving drivers accurate, real-time information, along with managing traffic, I-80 will be optimized to move vehicles and people in a safer and more efficient manner, without requiring the construction of new lanes or the widening of existing ones.



PROJECT AREA

PROJECT SCHEDULE

INTERSTATE 80 IMPROVEMENTS

Construction Began
LATE 2012

System Integration / Project Operational
Spring 2016

SAN PABLO AVE. IMPROVEMENTS

Construction Began
SEPTEMBER 2012

Construction Completed
SEPTEMBER 2014

Using Technology to Reduce Congestion is SMART

(SAFETY • MOBILITY • AUTOMATED • REAL-TIME • TRAFFIC MANAGEMENT)

The I-80 SMART Corridor project maximizes the efficiency of the existing transportation network, smoothing traffic flow and leading to improved safety and reduced travel times.

The project includes the following elements and associated intelligent transportation technologies along I-80 and San Pablo Avenue:

INCIDENT MANAGEMENT

Benefit: Electronic signage provides advance warning of accidents, improving safety, and guides detouring drivers back to I-80.

ADAPTIVE RAMP METERING

Benefit: By adjusting green times, adaptive ramp metering improves traffic flow onto I-80 and reduces merging collisions.

SYSTEM INTEGRATION

Benefit: The communications network proactively manages traffic along I-80 and local roads and shares information among transportation and local agencies.

TRAFFIC INFORMATION

Benefit: Traffic message signs provide drivers with information to plan or adjust travel routes.

For more information on how these ITS technologies work in unison, view a project video at **www.80smartcorridor.org**.

Funding Partners

U.S. Department of Transportation Federal Highway Administration

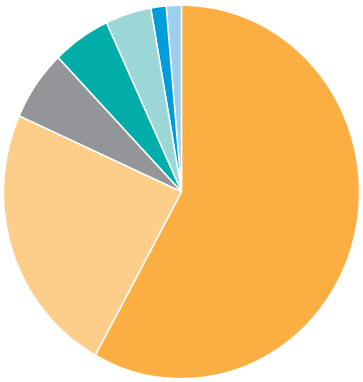
Caltrans

ALAMEDA County Transportation Commission

CONTRA COSTA transportation authority

PROJECT FUNDING

Total Budget: $79 million



STATE
Prop 1B-CMIA
$46 million

Federal
CMAQ
$3 million

STATE
Prop 1B-TLSP
$19 million

BAAQMD[3]
TFCA Regional
$1 million

CCTA[1]
Measure J
$5 million

STATE
STIP
$1 million

Alameda CTC[2]
CMA TIP, Measure B, TFCA Local, PPM
$4 million

[1] Contra Costa Transportation Authority
[2] Alameda County Transportation Commission
[3] Bay Area Air Quality Management District

FOR MORE INFORMATION

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