



smart corridor

INTERSTATE 80
INTEGRATED CORRIDOR MOBILITY

Project Update

July 22, 2016



CONTRA COSTA
transportation
authority

CALTRANS CORRIDOR MANAGER

- Single Point of Contact for Traffic Operations
 - Ramp Metering
 - Traffic Signals
 - Active Traffic Management
 - Incident Response
 - ITS Elements Health
 - System Performance
 - Liaison



I-80 SMART CORRIDOR GOALS

Operations

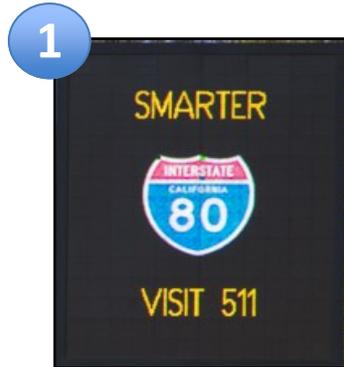
- Optimize network operation
- Provide real-time traveler/traffic information
- Make trip times more reliable and predictable

Safety

- Improve access for first responders
- Reduce secondary accidents & related congestion



WHAT MOTORISTS CAN EXPECT: “SEQUENCED” ACTIVATION



July 13

Public Info



July 19

Ramp Meters



Late August

Gantries



Early Sept

Complete

RAMP METERING ACTIVATION SCHEDULE

- July 19: Ramp Meters Rest in Green
- July 26: Ramp Meters - AM Commute **ON** (5A - 12P)
- August 2: Ramp Meters - PM Commute **ON** (5A - 8P)
- August 16: Ramp Meters - Adaptive **ON** (5A - 8P)

- July 19 - September: Enhanced Monitoring Activities

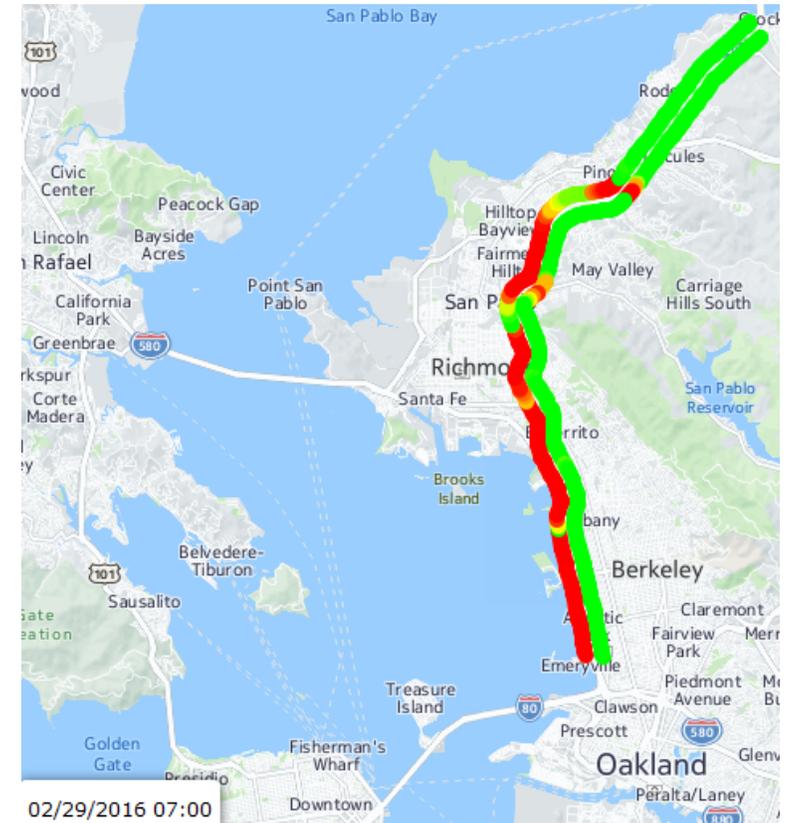
ADAPTIVE RAMP METERING

- Adapt to changing traffic conditions throughout corridor
- Optimal metering rates are calculated in real-time by an advanced fuzzy-logic algorithm



RAMP METER MONITORING

- Before/After Study
- Automated Data
- Freeway, ramps and local streets
- Remote Monitoring via CCTV
- Metering Hotline: 510-286-4531
- Project Website: 80smartcorridor.org



OPERATING HOURS

- Adaptive Ramp Metering: 5AM - 8PM **ON**
8PM - 5AM **OFF** except during incidents
- Information Display Boards: 5AM - 8PM **ON**
8PM - 5AM **OFF** except during incidents
- Active Traffic Management:
 - Variable Advisory Speed Signs
 - Lane Use Signs
 - Trailblazer Signs
 - Traffic SignalsAvailable 24 /7: **ON** During Incidents

WHAT HAPPENS DURING AN INCIDENT?

Electronic signs on gantries are turned on 2 to 3 miles upstream of an incident, and immediately past the incident.

Lanes
Open



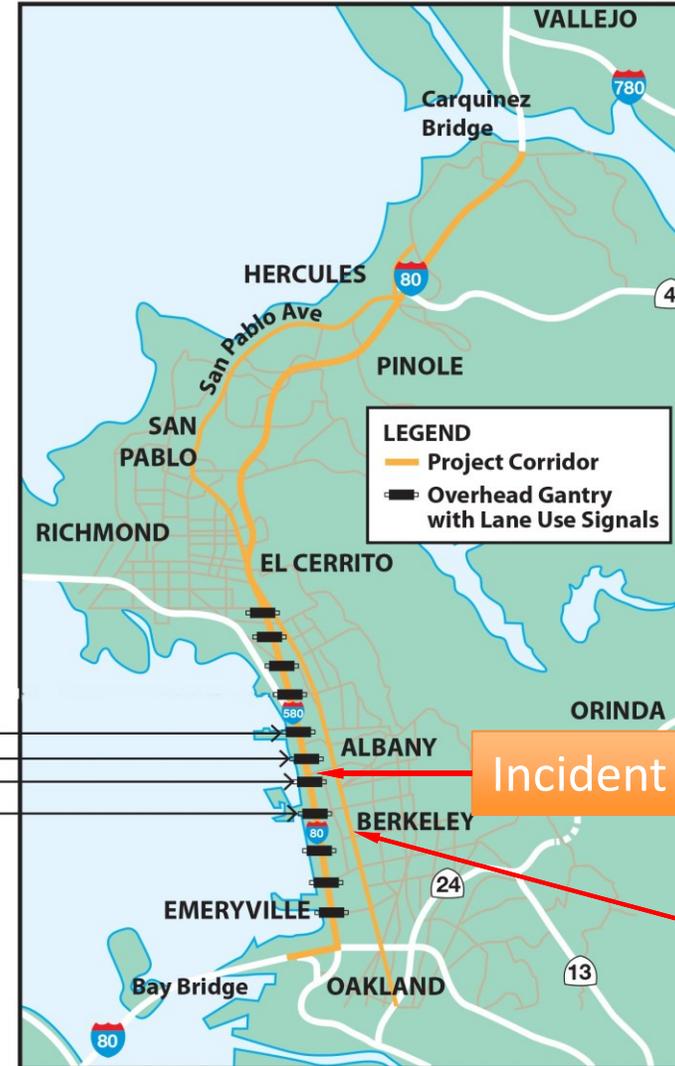
Merge



Lane
Blocked



Lanes
Open



AGENCY ROLES AND RESPONSIBILITIES

- Encourage All Stakeholders To Actively:
 - Monitor ALL assets
 - Monitor traffic conditions
 - Participate in the forums / working groups
 - Alert other agencies of upcoming projects and events
 - Report problems and concerns

OUTREACH FOR SEQUENCED ACTIVATION

- Website: 80smartcorridor.org is leading the show
- Reaching “moving targets” (motorists)
 - Welcome signs & PSAs
- Ongoing drumbeat of info
 - Eblasts & social media
- July 13: Press Conference at Caltrans District 4, followed by Media Tour of elements along project corridor



RIBBON CUTTING PLANNING

- Shoreline Park in Emeryville
- Federal, state and local representatives
 - Governor Jerry Brown
 - Anthony Foxx, U.S. Secretary of Transportation



QUESTIONS?

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