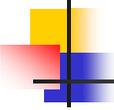# San Mateo County
Smart Corridor

San Mateo County Transportation
Authority Board

August 2, 2012

Why a need for a Smart Corridor?

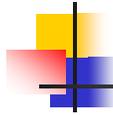### Route and Flush traffic from local streets

Accident at Woodside - 101
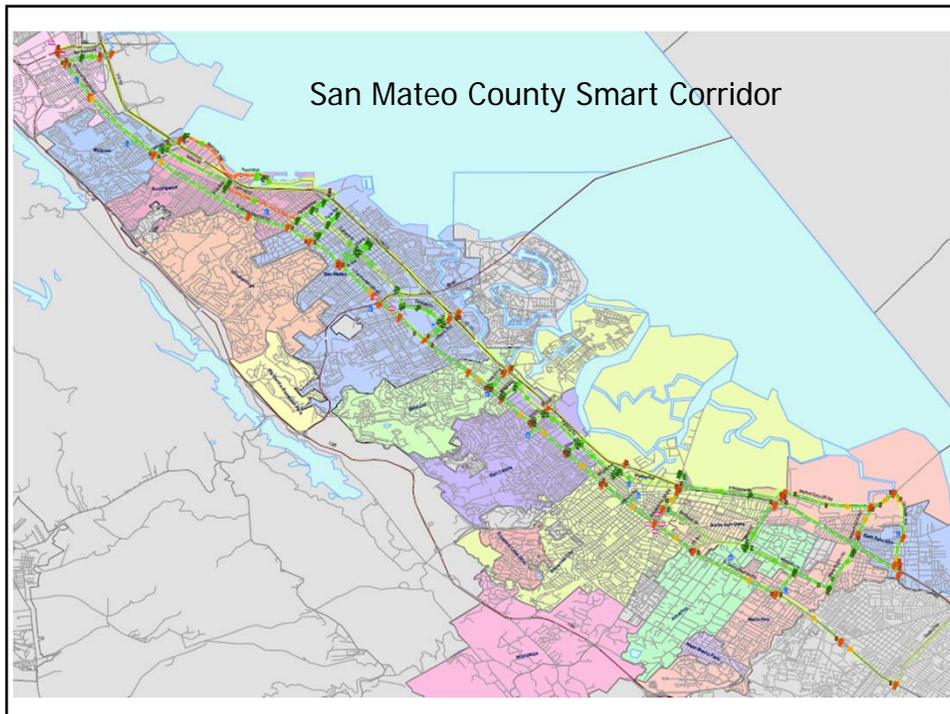
SMART CORRIDOR BOUNDARY

- El Camino Real and Alternate Routes from I-380 to Oregon Expressway - Through the Cities of:
  - San Bruno, Millbrae, Burlingame, San Mateo Belmont, San Carlos, Redwood City, Atherton, Menlo Park, East Palo Alto, County of San Mateo
- Major arterials between El Camino Real - Alternate Routes and US 101

San Mateo County Smart Corridor

Smart Corridor Project

The project would install Intelligent Traffic Systems (ITS) equipment (e.g. cameras, dynamic signs, and signal controller communications) along pre-identified routes
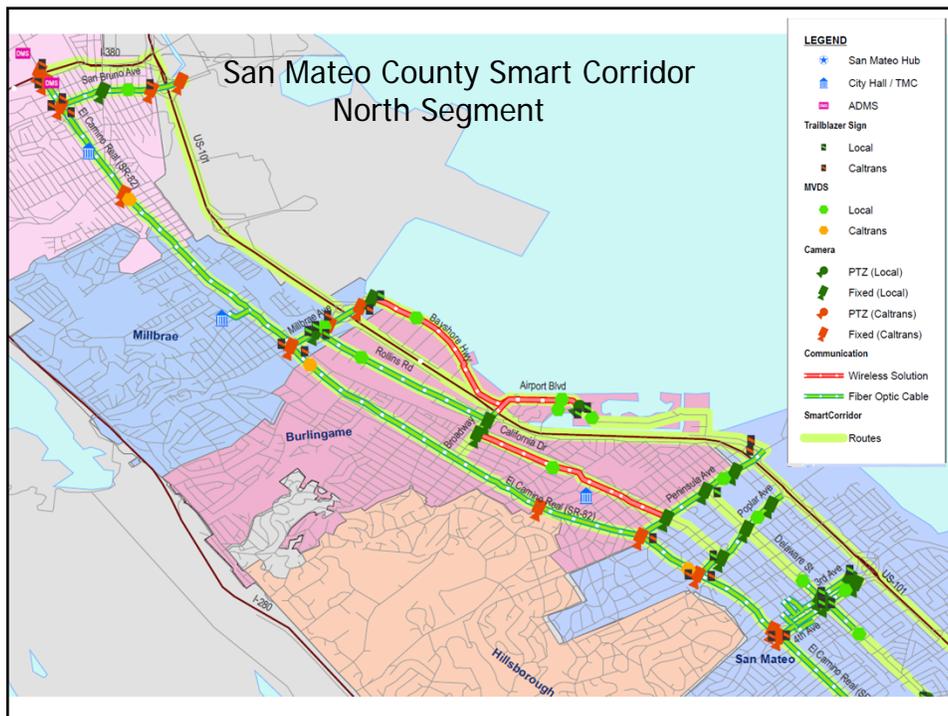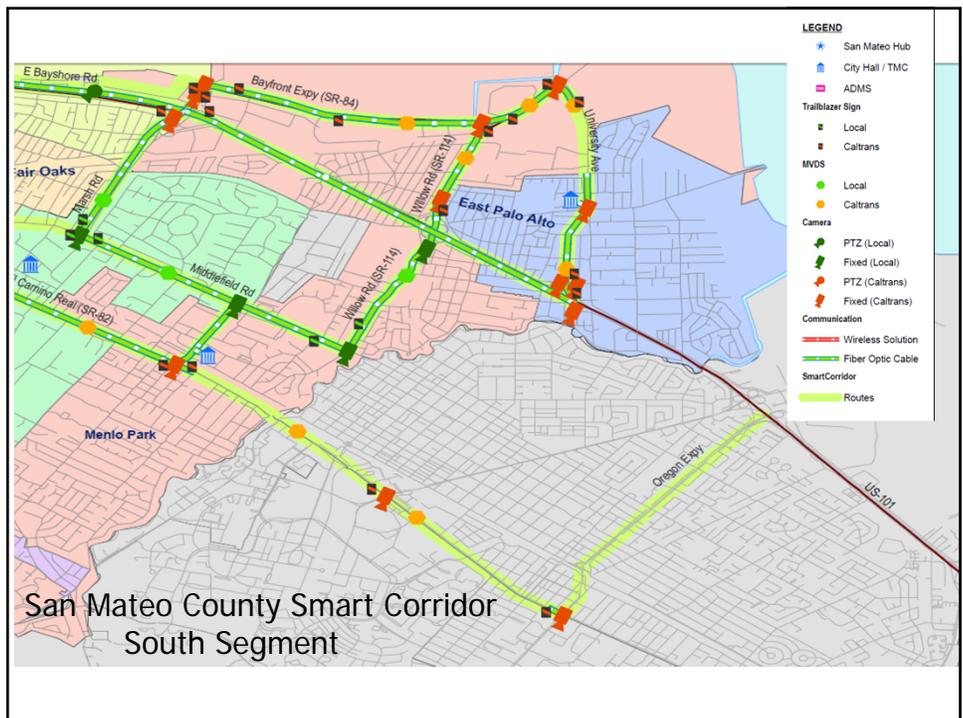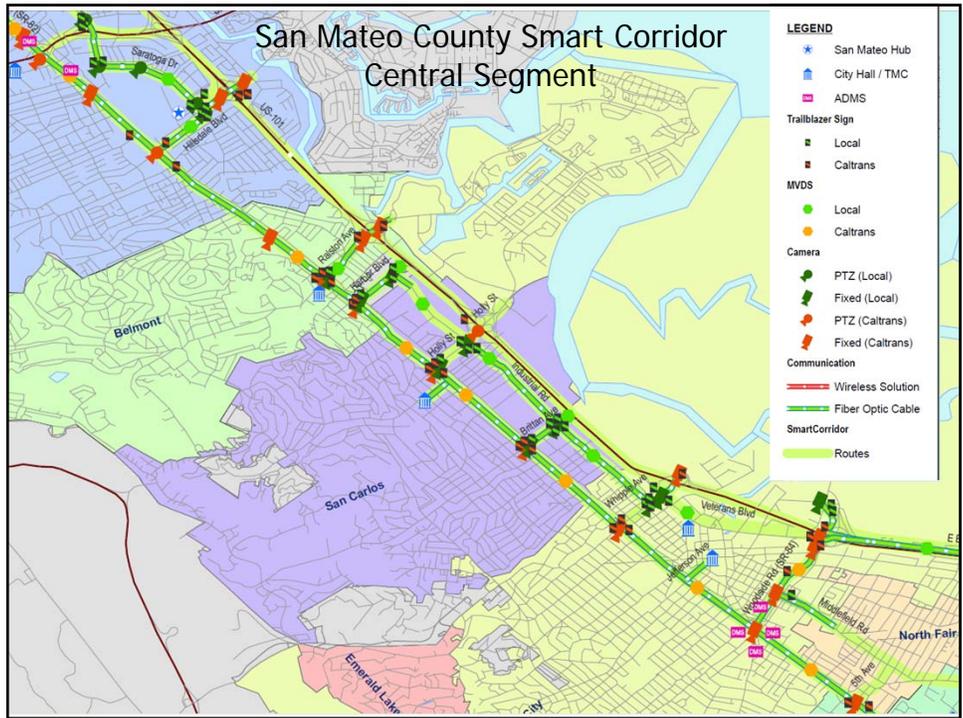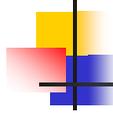
Small Dynamic Signs

Trailblazer Signs (example)

Fixed Cameras

PTZ Cameras

San Mateo County Smart Corridor North Segment

San Mateo County Smart Corridor
Central Segment

San Mateo County Smart Corridor
South Segment

4

Funding Partners

- City/ County Association of Governments of San Mateo County (C/CAG) Partners – Motor Vehicle Fees
- San Mateo County Transportation Authority – Local Sales Tax
- Metropolitan Transportation Commission
- California Transportation Commission

C/CAG City/ County Association of Governments
of San Mateo County

SMART CORRIDOR FUNDING

- Fully Funded ($36.8M)
  - County STIP $13M
  - TLSP $17.5M
  - CMAQ $0.3M
  - Sales Tax $3.0M
    (Measure A)
  - Local (C/CAG) $3.0M
- Highly Leveraged – 5.1 to 1

**C/CAG** City/ County Association of Governments of San Mateo County
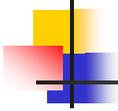
Development Partners

- Project Sponsors - System Design
  - C/CAG, Caltrans, SMCTA
- Integrated Project Team-Design
  - Caltrans/CCAG/Consultant/Cities (10)/County
- **Stakeholders** - MTC, Public Works, Police, Fire, OES, Transit agencies

C/CAG City/ County Association of Governments of San Mateo County

SMART CORRIDOR OBJECTIVES

- US 101 Major Incidents - Caltrans to control and optimize phasing on predetermined routes to improve traffic flow around the incident

- Normal Operations - Allow the corridors to be coordinated and monitored to optimize traffic flow (ECR-Caltrans, Local Streets-Cities)
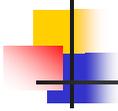
SMART CORRIDOR GOALS

C/CAG — City/ County Association of Governments of San Mateo County
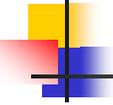
- Remote control of signals, traffic information and monitoring in the project area
- Establish communication system to channel monitoring and control information to Traffic Management Centers
  - Oakland District 4
  - City of San Mateo (County Hub)
- Real time access to traffic video and monitoring by Caltrans and Cities/ County
- Fiber Optic Backbone to Oakland District 4

SMART CORRIDOR CONCEPT

C/CAG — City/ County Association of Governments of San Mateo County

- Intelligent Transportation System Technologies
- Pre-Negotiated Signal Timing
  - Local Roads
  - State Roads
- Pre-Negotiated Agreements
  - Caltrans
  - Local (Cities/ County)

SMART CORRIDOR BENEFITS

- Alternate route with timing optimized for incident management
- Local event management timing options for El Camino Real (Non-incident)
- Access to all video, signals and monitors to optimize normal operations
- Upgrade to local signals and equipment
- Signal Priority and Pre-emption Ready

C/CAG City/ County Association of Governments
of San Mateo County
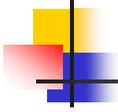
SMART CORRIDOR IMPLEMENTATION STATUS

- Caltrans – Design Completed along ECR
- C/CAG – Design Completed along local roads
- Demo Project construction complete
- Allocation received for construction on ECR and local roads
- Initiating System Integration/ Design at Oakland

SMART CORRIDOR SCHEDULE

- Local Streets Construction Fall 2012
- ECR Construction Fall 2012
- Complete Construction Summer 2013
- System Integration 2013-14

WORKING TOGETHER FOR IMPROVED MOBILITY IN CALIFORNIA

C/CAG   City/ County Association of Governments
of San Mateo County