Symphonic Orchestration of Operational Management on US 101

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Bay Area Ranks #3 for Congested Delay

Delay from Congestion

Source: Texas Transportation Institute, 2011; MTC Vital Signs, 2015
Bay Area Ranks #1 For Being Reliably Congested

Source: Texas Transportation Institute, 2011
Top Ten Congestion Locations

1. I-80 EB US-101 to Hilkrest Road (east of Treasure Island Tunnel)
2. I-880 SB I-238 to Dixon Landing Road
3. US 101 SB Fair Oaks Avenue to Oakland Road
4. I-80 WB West of CA-4 to Powell Street
5. I-680 NB Bollinger Canyon Road to Treat Boulevard
6. I-580 WB San Joaquin County line to Fallon Road
7. I-680 NB CA-262/Mission Boulevard to CA-84
8. I-80 EB W Grand Avenue to Gilman Street
9. CA-24 EB 27th Street to Wilder Road
10. US-101 NB Woodside Road to Hillsdale Boulevard
Managing Congestion

Causes of Congestion

- Bottlenecks: 50%
- Traffic Incidents: 25%
- Bad Weather: 10%
- Work Zones: 15%

Freeway Management

1. Incident Management
2. Toll Bridge Operations
3. Active Traffic Management (e.g., ramp metering)
4. Express Lanes
5. Pricing
6. Transportation Management System
The Challenge #1: Deliver near-term congestion relief along US 101

The Solution: Active Operational Management

**Suite of Corridor Improvements**

- Express Lanes along entire US 101 corridor, including operational policy changes
- SamTrans Express/Bus Rapid Transit Service
- Ramp Metering
- Employer Shuttles & Parking Pricing
- Park & Ride Facilities

**Accelerated Project Delivery**

- Public-Private Partnership (P3) Delivery
- Employer Contributions
The Challenge #2: Lack of consistency and coordination in the delivery of a HOV/express lane along the US 101 Corridor

The Solution: Refocus today’s efforts to deliver an express lane along the entire US 101 Corridor