2013 Transportation Management System Business Plan

Strategic System Management and Operations of California’s Freeway/Arterial System

July 11, 2013
Mobility Pyramid 2006-present

Transportation Investments have more impact if built upon this foundation
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Caltrans’ 5 Goals of System Management

• Create a system management culture.
• Performance-based framework for all TMS work activities and funding prioritization.
• Establish a well-maintained and high-performing TMS infrastructure that supports real-time traffic management.
• Cooperatively develop and implement real-time (active) traffic management to optimize flow, safety and aid regions and the State to meet greenhouse gas reduction (GHG) targets from transportation.
• Renew consensus on and adhere to critical statewide standards.
Management Current and Future State
Investing in Our Vision For the Future

- Coordinated Signal Timing
- Corridor Adaptive Ramp Meters
- Adaptive Traffic Signals
- Traveler Information
- Active Corridor Management
California Connected Corridors

- Make full use of existing transportation infrastructure
- Maximize corridor performance (safety, mobility, reliability)
- Fully implement real-time management (play books)
- Enhance regional, local, and private sector partnerships
Multi-objective Example: Emissions Reduction and Congestion Relief

Primary Pollution Emission Rates Versus Average Vehicle Speed
Compared to Both Arterial & Freeway Level of Service