

July 11, 2013

2013 Transportation Management System Business Plan

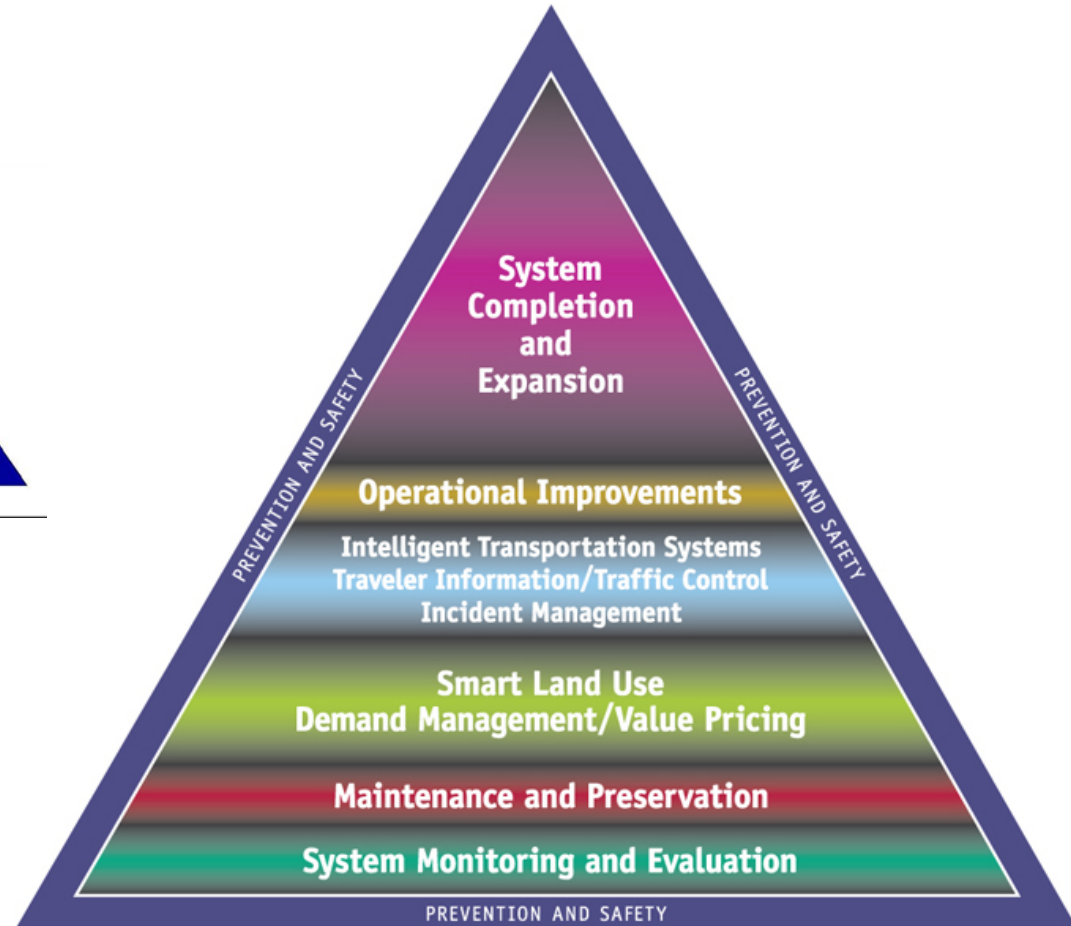
Strategic System Management and
Operations of California's
Freeway/Arterial System



Mobility Pyramid 2006-present

2004

TMS are the business processes and associated tools, field elements and communication systems that help maximize the productivity of the transportation system.



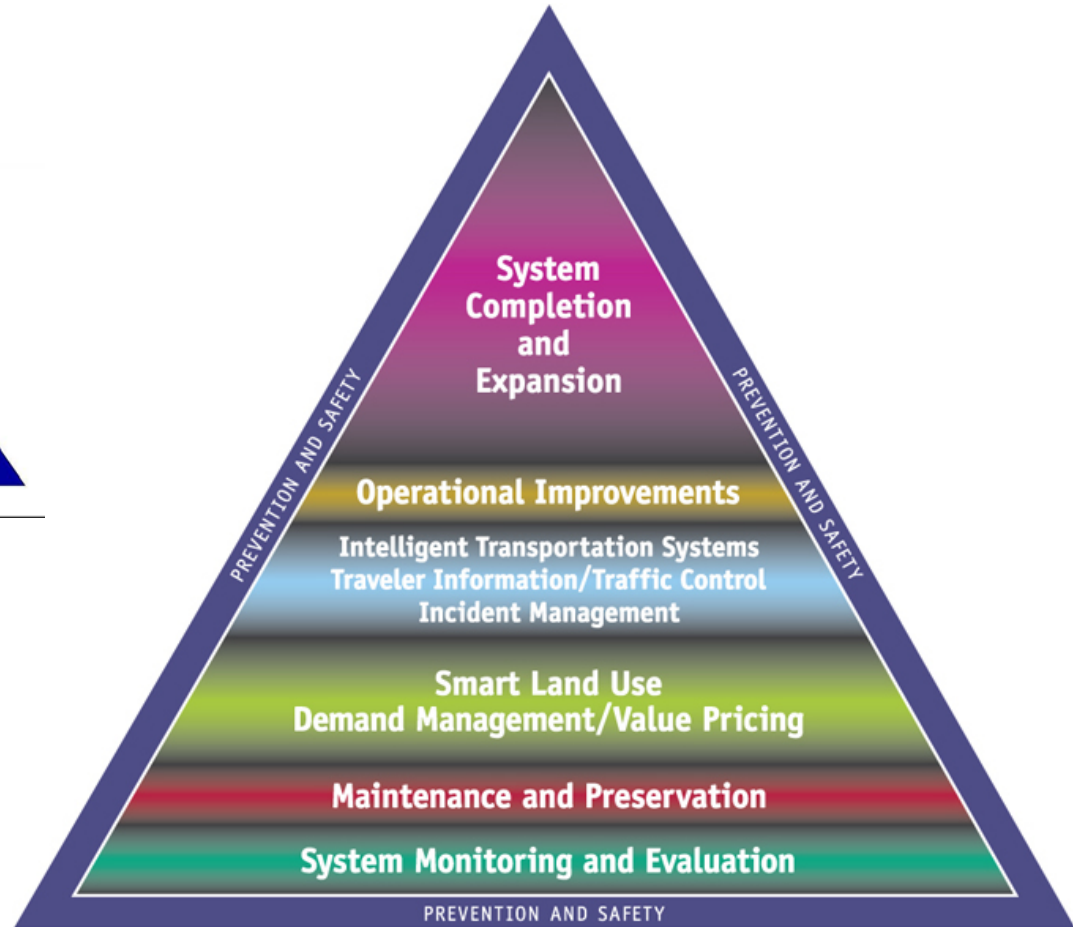
Transportation Investments have more impact if built upon this foundation



Mobility Pyramid 2006-present

2004

TMS are the business processes and associated tools, field elements and communication systems that help maximize the productivity of the transportation system.



Transportation Investments have more impact if built upon this foundation



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

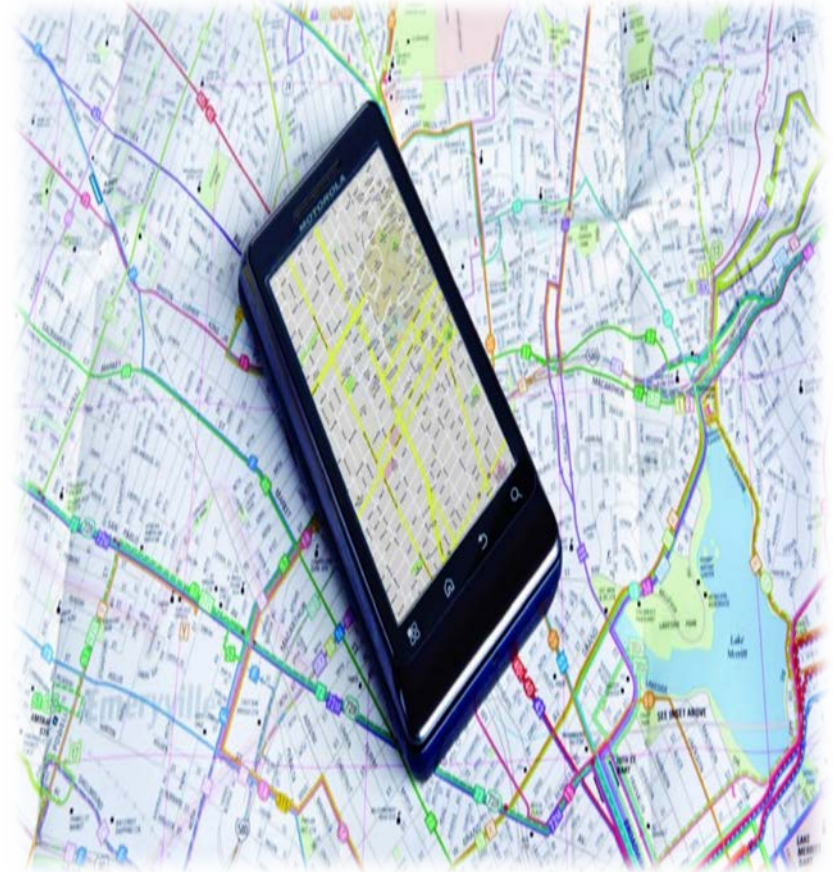
Investing in Our Vision For the Future

- **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

