

Supply Management

Traffic Management

- Change metering rate at ramp X
- Coordinate metering rates across several ramps
- Coordinate ramp meters with nearby traffic signals
- Change signal timing plan at intersection Y
- Change signal timing plan along arterial Z within a jurisdiction
- Coordinate traffic signal operations across jurisdictions
- Impose/remove restriction on HOV lane utilization
- Enable use of shoulder lane
- Change freeway reversible lanes configuration
- Change speed limit on freeway
- Dynamic merge lane control
- Dynamic lane management at intersections
- Provide queue warning messages
- Coordinate scheduled maintenance and construction activities

Transit Operations

- Provide priority to transit vehicle at signalized intersection
- Impose/remove transit lane restrictions
- Change service frequency along existing routes
- Request that a bus/train waits at a service stop for another vehicle to arrive (Connection Protection)
- Provide on-demand ride services

Incident Response Support

- Coordinate incident response across involved agencies
- Provide signal pre-emption to emergency vehicle
- Adjust signal timings to clear queues ahead of emergency response vehicles
- Provide special transit service to alleviate impacts of incidents
- Automatically reroute transit vehicles around major incidents
- Temporarily remove toll on HOT/tolled facilities

Demand Management

Active Traveler Information Services

- Notify travelers of congestion hotspots
- Notify travelers of incident location/severity
- Provide expected travel times to reach a specified destination on all available/desired travel modes
- Recommend alternative travel routes based on location
- Recommend alternative freight routes based on location, truck restrictions and road geometry constraints
- Provide dynamic guidance to available parking spaces/facilities

Active Demand Management Actions

- Adjust toll rate on HOT/tolled facilities
- Adjust parking rates
- Dynamic truck restrictions

Collaborative Demand Management Strategies

- Provide incentives to individual travelers to promote travel time/mode shifts
- Provide group/corporate-based incentives to promote travel time/mode shifts