



SR-710 Study

Alternatives Analyses Phase

TRANSPORTATION SYSTEM MANAGEMENT / TRANSPORTATION DEMAND MANAGEMENT (TSM/TDM) FACT SHEET

DESCRIPTION

TSM/TDM alternatives are designed to maximize the efficiency of the existing transportation system by improving capacity and reducing the effects of bottlenecks and chokepoints. These relatively low cost, low impact strategies are oriented toward enhancing all of the State Route 710 transportation alternatives. TSM strategies include coordinated traffic signal timing to help relieve congestion, ramp metering to control the entry of vehicles onto a freeway, and minor street widening and intersection improvements to improve traffic circulation. TDM strategies promote carpooling, staggered work shifts and more transit use.

INITIAL TSM DESIGN ELEMENTS

The following TSM elements are proposed:

Intelligent Transportation Systems (ITS)

- Traffic signal upgrades and prioritization
- Ramp metering
- Driver information system
- Local arterial changeable message signs
- Vehicle detection systems
- Dynamic tolling
- Variable speed control

Transit (Bus) Enhanced Service

- Adds 16,100 new daily riders when measured against 2035 No Build condition (or baseline conditions)
- Bus frequencies reduced to 2.5 minute headways during peak periods
- Rapid bus service on Rosemead Boulevard

Active Transportation Systems

- Pedestrian and bicycle facilities that support access to transit facilities throughout the study area

Intersection and Local Street Improvements

- Preliminary assessments of needed improvements for better traffic circulation
 - Includes further refinements and local input/coordination to avoid and/or minimize potential impacts
- Targeted capacity improvements for select local intersections (20) and local street segments (7) within the cities of Los Angeles, South Pasadena, Alhambra, San Gabriel, Rosemead, and San Marino

INITIAL TDM STRATEGIES

The following TDM strategies are proposed:

- Reduce the demand for travel during peak periods
- Reduce the use of motor vehicles
- Shift the use of motor vehicles to uncongested times of the day
- Encourage rideshare and transit use
- Eliminate trips (e.g. telecommuting)
- Improved transportation options

MAJOR TASKS COMPLETED:

INITIAL ENVIRONMENTAL ASSESSMENTS ✓
CONCEPTUAL ENGINEERING ✓
ALTERNATIVES ANALYSES ✓

