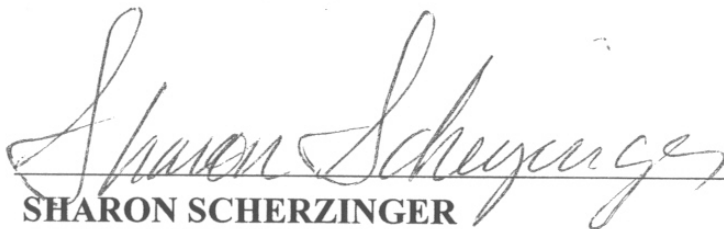


**INTERSTATE 580
TRANSPORTATION CONCEPT REPORT**

**CALTRANS DISTRICT 10
OFFICE OF SYSTEM PLANNING**

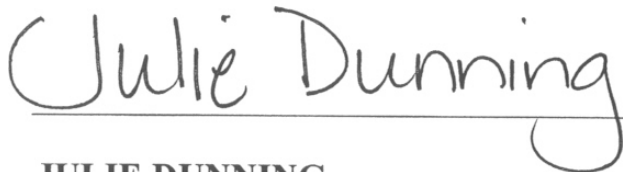
APPROVAL RECOMMENDED:



SHARON SCHERZINGER
Acting Deputy District Director
Planning Modal and
Local Assistant Program

11-10-03

DATE



JULIE DUNNING
Acting District Director
District 10, Stockton

11.24.03

DATE

The Modesto City-County Airport provides the only commercial service with daily scheduled commuter flights to San Francisco. The facility primarily serves small, single engine aircraft.

INTELLIGENT TRANSPORTATION SYSTEM (ITS)

Non-recurring congestion and delays are attributed to unplanned incidents such as traffic accidents, stalled vehicles, or special events. This non-recurring congestion may be reduced by improving incident management and reducing the number of incidents through an ITS. ITS is designated to identify non-recurring incidents and remove them from the highway as quickly and efficiently as possible. ITS also provides benefits for traveler information and congestion management through changeable message signs, ramp metering, and automated warning systems.

District 10 has embarked on a program of advanced technology to meet our present and future traffic demands. The 10-year Transportation Management System Plan proposed ITS Connectors along the I-580 corridor, such as Automated Warning System, Changeable Message Signs and Weather Conditions detectors (District 10 Long Range Operational Plan 1999).

A San Joaquin Valley ITS Strategic Deployment Plan has recently been completed for the eight Valley counties of Fresno, Kern, Kings, Madera, Merced, San Joaquin, Stanislaus, and Tulare. The Plan includes recommendations for Valley-wide and interjurisdictional initiatives to address problems that affect the entire region, as well as recommendations for projects that will address specific local problems throughout the Valley. The San Joaquin Valley ITS Strategic Deployment Plan is intended to provide a starting point for regional ITS coordination, programming, and implementation efforts over the next twenty years.

Planned Projects

San Joaquin	Planned Projects for I-580	Source
<u>PM 4.3-13.5</u>	Widen to 6 lanes from SR-132 to Patterson Pass Rd.	ITSP & 2001 RTP Tier 2
<u>PM 8.14</u>	Second bridge and widen ramps at Corral Hollow Rd.	2001 RTP Tier 2
<u>PM 4.3-13.5</u>	Widen to 6 lanes from SR-132 to Patterson Pass Rd.	ITSP & 2001 RTP
<u>PM 13.5</u>	New overcrossing and ramp widening at Patterson Pass Rd.	2001 RTP Tier 2
<u>PM 13.5-15.3</u>	Widen to 6 lanes from Mountain House Parkway to Alameda Co. Ln. (only a phase of the project).	ITSP & 2001RTP Tier 1 & Tier 2
At Lammers	Construct new Interchange I-580 at Lammers	2001 RTP Tier 2

Programmed Project

I-205 PM 0.0-1.8, I-205/580 Ultimate Truck Bypass

Planned Projects

PM 13.5-15.3 widen to 6 lanes from Mountain House Parkway to Alameda Co. Ln., ITSP & 2001 RTP Tier 1 & Tier 2 (only a phase of the project).

PM 4.3-13.5 widen to 6 lanes from SR-132 to Patterson Pass Rd., ITSP & 2001 RTP Tier 2.

PM13.5 new overcrossing and ramp widening at Patterson Pass Road, 2001 RTP Tier 2.

PM 8.15 second bridge and widen ramps at Corral Hollow Rd., 2001 RTP Tier 2.

I-580 at Lammers Construct New Interchange, 2001 RTP RTP Tier 2.

System Designations

- Yes Freeway/Expressway System
- Yes National Highway System (NHS)
- Yes Interregional Road System (IRRS)
- Yes High Emphasis Route
- No Focus Route
- Yes Strategic Highway Network (STRAHNET)
- Yes National Network for STAA Trucks
- Yes Scenic Highway

Right of Way/Shoulder Information

Right-of-way ranges from 230 to 260 feet. The total outside treated shoulder width is 10 feet on each side of the roadway.

Air Quality/Environmental Status

Air Quality	Ozone Particular Matter Carbon Monoxide	Non-Attainment Non-Attainment Maintenance
Flood Plain	None	Non-flood hazard
Wetlands	Yes	Low sensitivity
Endangered species	High sensitivity	Species of concern: high sensitivity
Archaeological	Medium sensitivity	Canals

Please refer to Appendix 4 for a description of Flood Plains, Wetlands, and Special Status Species

Traffic Collision Rate (per million vehicle miles traveled)

Actual Accident Rate		Statewide Average Rate	
Fatal & Injury	Total (Includes Property Damage only)	Fatal & Injury	Total (Includes Property Damage only)
0.16	0.41	0.19	0.46

Source: TASAS Database (January 1, 1999 - December 31, 2001)

Proposed ITS project

PM 0.00-15.34 ITS Connectors.