

FUTURE FACILITY

See Figures 3-2 and 3-3 respectively, for the current (2004) LOS for various segments of Route 99 and the 2030 Concept Facility.

The Ultimate Transportation Corridor, or the ultimate roadway needed based on traffic volumes beyond 2030, is an 8-lane freeway. In some locations, there may also be a need for:

1. High-Occupancy Vehicle Lanes, to substitute for or to supplement the 8-lane freeway, especially in urban areas
2. Weaving lanes between on and off ramps, especially in urban areas

Notwithstanding the natural or political environment, the particular ultimate roadway acceptable on a respective portion of Route 99 will be based on traffic volumes or unique traffic operations.

3.3 Caltrans Addressing Priority Needs

Caltrans will be addressing ongoing needs for improvements to Route 99 over the next 25 years. These will vary from the typical priority improvements to maintain a safe operating highway, (such as maintenance, safety and congestion relief projects), to corridor enhancements. Examples of these may be corridor aesthetics and traveler information services.

Following are overviews of major priority improvement need areas on Route 99.

3.3.1 Safety and Operations/Congestion

One of the primary objectives for Caltrans is to address the safety and operations of the State highway, including relief of traffic congestion. The 10-year State Highway Operation and Protection Plan (SHOPP), dated April, 2002 defines long-range system needs, which includes safety and operations projects. The plan is estimated to cost \$22 billion dollars statewide and is updated annually for the California Transportation Commission. The SHOPP is available on the Caltrans website under “Doing business with Caltrans” at <http://www.dot.ca.gov/hq/transprog/shopp>. Specific SHOPP projects for the next four fiscal years (2004 SHOPP) are shown on the same website.

Figures 3-4 and 3-5 list the Programmed Safety and Operations Projects for Route 99 in Districts 6 and 10 (map and chart respectively). They include both SHOPP and minor projects.

Transportation Systems Management includes a host of methods to attack traffic congestion problems. The more common transportation systems are listed below:

- **High-Occupancy Vehicle (HOV) Lanes**

HOV lanes are used primarily in urban areas where traffic congestion is prevalent, particularly during commuter travel times. These are lanes reserved for carpools and transit that allow for a higher capacity, more efficient movement of traffic. The San Joaquin Valley HOV Study is underway, which analyzes the feasibility of HOV lanes in Districts 6 and 10, including along Route 99.

FUTURE FACILITY

- **Auxiliary Lanes**

Auxiliary lanes are used as extra lanes on freeways where there is minimum spacing between interchanges. They serve to accommodate traffic entering the freeway and through traffic that is leaving the freeway at the next interchange. Auxiliary lanes improve the overall operations of a roadway. They have been included on the newer Route 99 construction projects in urban areas with large traffic volumes.

- **Park and Ride Lots**

Park and ride lots are generally private or state-sponsored formal parking lots that enable travelers, particularly commuters and recreational visitors, to park at a congregating place to carpool or take transit to their destination. There are currently 10 existing park and ride lots along Route 99, two in Kern County, six in San Joaquin County, and two in Stanislaus County. Park and ride lots will be developed in the future as needed along the corridor.

- **Intelligent Transportation Systems**

Intelligent Transportation Systems (ITS) are being used more every day as technology and funding provide the means to improve safety and traffic operations. The Intermodal Surface Transportation Efficiency Act has successfully used several systems to eliminate traffic congestion problems. We now take information systems for granted that were under debate only a decade ago. Examples of existing ITS technology along Route 99 include changeable message signs, Highway Advisory radio stations and weather stations.



Figure 3-1
Traffic Management Center

Caltrans is also using Traffic Management Centers that employ cameras and sensors to determine what is happening at bottlenecks and critical decision points on the highway system. These centers use Changeable Message Systems, Closed Circuit TV cameras, and Traffic Monitoring Stations to serve the traveling public and freight operators. Newly installed fiber optic cables link these systems together and Caltrans continues to add these buried cables on current projects to better connect existing facilities. In addition, remote control devices make the systems more precise and more responsive to the Traffic Management Center.



Figure 3-2





Figure 3-3



FUTURE FACILITY

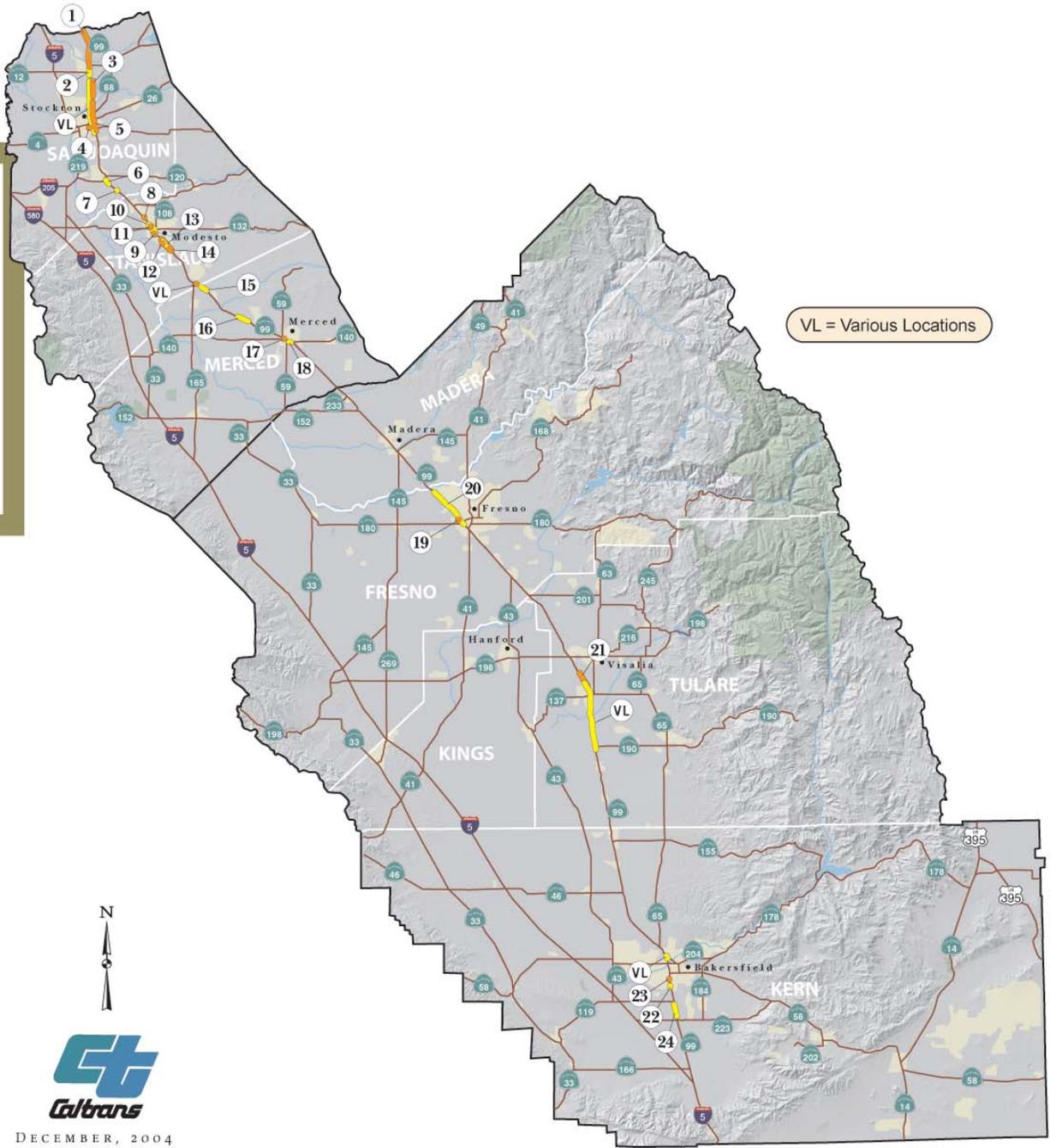
Commercial entities are being built in the form of Information Service Providers known as ISPs. These ISPs provide value-added services by collecting data from various sources and creating information products and services that consumers now see as necessary as their TV, online computer, and telephone. Services that are currently being offered in California include electronic toll payment, driver and traveler services, and emergency services. These services are expected to improve in the immediate future and provide route information, transit schedules and connections, trip planning data, and information on accidents, earthquakes, fires, or other incidents that affect traffic.

3.3.2 Roadway Rehabilitation and Maintenance

Along with the regular maintenance that occurs on the State highways, the 2004 SHOPP shows Route 99 projects dealing with pavement restoration, replacement of existing roadways, maintenance facilities and other rehabilitation ventures.

Figures 3-6 and 3-7 list the Programmed Rehabilitation Projects, as map and chart respectively.

PROGRAMMED Safety and Operations



VL = Various Locations



DECEMBER, 2004
DISTRICT 06 & 10

Figure 3-4



Route 99 Corridor Enhancement Master Plan

TAG #	COUNTY	POST MILE	EA	WORK DESCRIPTION	LOCATION DESCRIPTION	PROGRAM	PROJECT PHASE	ESTIMATED COST (x \$000)	BEGIN CONSTRUCTION	END CONSTRUCTION
1	SAN JOAQUIN	30.7/38.7	0G0500	PLACE RUMBLE STRIPS	FROM THE EAST PINE ST OC TO THE SACRAMENTO COUNTY LINE	SHOPP	CONSTRUCTION	\$959	July-05	July-06
2	SAN JOAQUIN	29.5/30.7	0K8700	RUMBLE STRIP AND PROFILE THERMO-PLASTIC TRAFFIC STRIPE	FROM THE SR 99/12 SEP TO THE EAST PINE ST OC	MINOR	PS&E/RW	\$565	May-05	July-05
3	SAN JOAQUIN	25.4/28.7	0F3001	CONSTRUCT MEDIAN BARRIER SINGLE CONCRETE AND THRIE BEAM	FROM BEAR CRK BR TO THE END OF THE EXISTING TYPE 60 BARRIER NEAR THE SOUTH LODI OC	SHOPP	PS&E/RW	\$9966	April-06	November-11
4	SAN JOAQUIN	18.5	0M0201	SUPER HAR FOR STOCKTON AREA	ON ROUTE 99 AT JUNCTION OF HWY 4	MINOR	NA	\$120	NA	NA
5	SAN JOAQUIN	17.1/25.4	3A4300	CONSTRUCT MEDIAN BARRIER SINGLE CONCRETE AND THRIE BEAM	FROM N OF THE STOCKTON OC TO MORMON SLOUGH AND FROM THE HAMMER LANE OC TO THE EIGHT MILE RD OC	SHOPP	CONSTRUCTION	\$10,725	July-05	July-06
VL	SAN JOAQUIN	17.0/28.5	0J8401	CONSTRUCT MEDIAN CONCRETE BARRIER	IN AND NEAR STOCKTON AT VARIOUS LOCATIONS	SHOPP	CONSTRUCTION	\$3003	October-04	July-05
6	SAN JOAQUIN	4.8/5.6	0K7601	INSTALL A NEW STRUCTURE SIGN (TRUSS) AND PLACE THERMOPLASTIC STRIPE	FROM THE AUSTIN RD OC TO 3.5 KM S OF NB FROM EB SR 120	MINOR	NA	\$110	NA	NA
7	SAN JOAQUIN	2.3	0K8100	CHANGEABLE MESSAGE SIGN CCTV ON TOP WEATHER STATION DETECTOR LOOP	IN RIPON, S OF THE JACK TONE RD IC STRUCTURE NB	MINOR	NA	\$363	NA	NA
8	STANISLAUS	18.5	0J5001	UPGRADE/RELOCATE CURB RAMPS AND RECONSTRUCT SIDEWALK	IN MODESTO AT THE BRIGGSMORE AVE OC	MINOR	NA	\$60	NA	NA
9	STANISLAUS	15.6	0L5101	UPGRADE THE SIGNAL TO PROGRAM VISIBILITY AHEAD	IN MODESTO, AT THE NB OFF-RAMP TO 6TH ST AND "G" TO "I" ST TO INCLUDE "I" ST INTERSECTION	MINOR	NA	\$25	NA	NA
10	STANISLAUS	15.1/17	0A6710	REHABILITATE 15 RAMPS	FROM TUOLUMNE BLVD UC TO .4 KM N OF KANSAS AVE OC	SHOPP	PA&ED	\$16,955	March-07	July-08
11	STANISLAUS	15.1/15.6	0M1501	INSTALL PROFILE THERMOPLASTIC TRAFFIC STRIPE ON EDGE AND LANE LINES	SB ONLY, IN BETWEEN TUOLUMNE BLVD UC AND "G" ST	MINOR	NA	\$101	NA	September-05
12	STANISLAUS	11.6/11.8	0G1401	REPLACEMENT OF SIGNS	IN THE CITY OF CERES IN STANISLAUS COUNTY	MINOR	NA	\$110	August-04	October-05
13	STANISLAUS	11.2/12.0	0I4101	GROOVE EXISTING PCC-ALL 3 NB LANES	IN MODESTO, IN VICINITY OF THE NORTH ST UC BR	MINOR	PS&E/RW	\$336	May-05	December-05
14	STANISLAUS	10.3/12	0L6400	UPGRADE MEDIAN BARRIER	FROM THE MITCHELL RD I/C TO THE BEGINNING OF THE EXISTING MEDIAN BARRIER	SHOPP	PA&ED	\$2400	September-06	December-07
VL	STANISLAUS	0	0M1401	RETROFIT CIMS TO LED DISPLAYS	IN STANISLAUS AND MERCED COUNTIES AT VARIOUS LOCATIONS	MINOR	NA	\$120	NA	NA
15	MERCED	36.3/36.7	0K4200	CONSTRUCT MEDIAN BARRIER	FROM THE S TURLOCK CROSSING TO THE GRIFFITH RD OC	MINOR	PS&E/RW	\$515	May-05	December-05
16	MERCED	23.8/26.5	0A5201	CONSTRUCT ROAD/MODIFY MEDIAN	IN AND NEAR ATWATER & LIVINGSTON, FROM S OF GROVE AVE TO INDUSTRIAL DR	SHOPP	CONSTRUCTION	\$2,849	August-04	October-05
17	MERCED	15.5	0L7400	IMPROVE TURNING RADIUS AT 4TH & 13TH	SR 99 AND R ST AND 13 TH ST	MINOR	NA	\$98	NA	July-05
18	MERCED	14.7/14.8	0L1601	INSTALL AUTOMATED CONGESTION WARNING SYSTEM	IN MERCED, ON THE SB OFF-RAMP TO SR 59 AND MARTIN LUTHER KING BLVD	MINOR	PS&E/RW	\$486	October-05	April-06
19	FRESNO	22.2	0C0400	INSTALL MEDIAN BARRIER	IN FRESNO, AT THE SB OFF-RAMP FROM SR 99 TO EB SR 180S	MINOR	NA	\$60	NA	NA
20	FRESNO	21.4/30.4	0A8100	INSTALL FIBER OPTIC	FROM EL DORADO ST TO THE GRANTLAND AVE UC	MINOR	PS&E/RW	\$750	NA	September-05
21	TULARE	30.6/33.9	474601	CONSTRUCT MEDIAN BARRIER	IN TULARE AND TAGUS, FROM THE PROSPERITY AVE OC BR TO THE TAGUS OC BR	SHOPP	CONSTRUCTION	\$1,504	April-05	December-05
VL	TULARE	17.8/32.4	484400	INSTALL FOUR CHANGEABLE MESSAGE SIGNS (CMS)	IN FRESNO AND TULARE COUNTIES, AT THREE LOCATIONS	MINOR	CONSTRUCTION	\$749	April-05	September-05
VL	KERN	26.5/27.2	0A8501	INSTALL TRAFFIC COUNT STATIONS	VARIOUS LOCATIONS	MINOR	NA	\$104	NA	NA
22	KERN	22.4	469800	INSTALL TRAFFIC SIGNALS	IN BAKERSFIELD, ON MING AVE	MINOR	NA	\$154	NA	NA
23	KERN	20.9/21.6	434504	INSTALL AUXILIARY LANE	IN BAKERSFIELD, FROM THE WHITE LN OC TO THE PLANZ RD OC	SHOPP	CONSTRUCTION	\$2,034	March-04	March-05
24	KERN	13.4/16.7	464801	CONSTRUCT THRIE BEAM MEDIAN BARRIER	NEAR BAKERSFIELD, FROM NORTH OF THE BEAR MTN BLVD OC TO SOUTH OF THE HOUGHTON RD OC	SHOPP	CONSTRUCTION	\$1,101	June-05	July-06

VL=Various Locations

Project information updated 04/05/05
For more project information refer to the contact list on page 72

TOTAL ESTIMATED COST
\$56,322

Figure 3-5



Route 99 Corridor Enhancement Master Plan

TAG #	COUNTY	POST MILE	EA	WORK DESCRIPTION	LOCATION DESCRIPTION	PROGRAM	PROJECT PHASE	ESTIMATED COST (x \$000)	BEGIN CONSTRUCTION	END CONSTRUCTION
1	STANISLAUS	R20.0/R20.1	0L7600	REMOVE/REPLACE PORTLAND CONCRETE SLABS	SOUTH OF THE BECKWITH RD OC - SB ONLY	MINOR	PA&ED	\$120	NA	NA
2	STANISLAUS	R15.1/R17.0	0A6710	REHABILITATE 15 RAMPS	IN MODESTO, FROM THE TUOLUMNE BLVD OC TO NORTH OF THE KANSAS AVE OC	SHOPP	PA&ED	\$16,955	March-07	July-08
3	STANISLAUS	6.8/17.9	0G8401	APPROACH SLABS AND JOINT SEALS REPLACEMENT	VISTA AVE U/C TO 1.0 KM N OF CARPENTER/BRIGGSMORE RD O/I/H	MINOR	NA	\$526	NA	NA
4	MERCED	15.8/17.3	0K0200	REPLACE BRIDGES	NORTH OF "V" ST TO THE BLACK RASCAL BR	SHOPP	PA&ED	\$34,001	January-08	May-10
5	MERCED	12.8/17.6	0C4601	REPLACE PCC SLABS, SEAL RANDOM CRACKS, AND GRIND PCC LANES	IN AND NEAR MERCED, FROM SOUTH OF THE CHILDS AVE OC TO SOUTH OF FRANKLIN SLOUGH	SHOPP	CONSTRUCTION	\$3,365	June-05	November-06
6	MADERA	9.7/12.7	482201	PCC PANEL REPLACEMENT	NEAR MADERA, FROM THE SOUTH MADERA OC TO THE AVE 16 OC	MINOR	CONSTRUCTION	\$115	NA	NA
7	MADERA	6.7/8.0	0C1901	AC COLDPLANE AND REPLACE	THREE MILES SOUTH OF THE SR 145/99 SEP	MINOR	NA	\$400	June-06	November-07
8	MADERA	0.0	0A5601	RESURFACE AC AND REPLACE JOINTS	NEAR FRESNO, AT THE SAN JOAQUIN RIVER BR	MINOR	PS&E/RW	\$749	May-05	December-05
VL	FRESNO	20.2/31.6	0A4401	REHABILITATE ROADWAY	IN FRESNO, AT VARIOUS LOCATIONS	SHOPP	CONSTRUCTION	\$2,527	March-05	November-05
9	FRESNO	10.7/15.9	420304	AC OVERLAY	IN AND NEAR FOWLER, FROM SOUTH OF THE MERCED ST UC TO NORTH OF THE CENTRAL AVE OC	SHOPP	CONSTRUCTION	\$17,297	January-05	July-07
10	TULARE	51.9	432001	REHABILITATE SAFETY ROADSIDE REST AREA	NEAR KINGSBURG, AT THE WARLOW SAFETY ROADSIDE REST AREA	SHOPP	PS&E/RW	\$2,215	November-05	October-07
11	TULARE	34.0/42.0	459401	CRACK SEAT, AC OVERLAY	FROM NORTH OF THE TAGUS AVE OC TO 2.1 KMS NORTH OF THE NORTH GOSHEN OH	SHOPP	PS&E/RW	\$13,252	December-06	July-08
12	TULARE	31.8/33.2	499301	REMOVE AND REPLACE SB #2 LANE	NEAR TULARE, FROM THE CARTMILL RD OC TO THE SOUTH TAGUS OC	MINOR	PS&E/RW	\$120	NA	NA
13	TULARE	25.3/26.3	490201	REMOVE BRIDGE	IN AND NEAR TULARE, FROM SOUTH OF THE AVE 200 OC TO NORTH OF THE AIRPORT OC	SHOPP	PS&E/RW	\$10,441	June-06	July-08
14	TULARE	21.1/25.0	499201	REMOVE AND REPLACE PCC (SB ONLY)	NEAR TIPTON, FROM 2.8 KMS NORTH OF THE AVE 152 OC TO ELK BAYOU BR	MINOR	CONSTRUCTION	\$120	NA	NA
15	TULARE	21.0/25.0	0A9501	PANEL REPLACEMENT	NEAR TULARE, SOUTH OF THE AVE 200 OC	MINOR	NA	\$100	NA	NA
16	TULARE	9.7	0A2701	POLYESTER CONCRETE DECK OVERLAY AND REPAIR	AT THE AVE 76 UC	MINOR	PS&E/RW	\$749	September-05	December-05
17	KERN	R43.5	430004	REPLACE BRIDGE DECK	NEAR MCFARLAND, FROM NORTH OF THE POSO CANAL BR TO THE SR 46/99 SEP	SHOPP	CLOSE OUT	\$2,262	July-03	July-05
18	KERN	20.5/29.6	464104	REPLACE SLAB AND GRIND	IN BAKERSFIELD, FROM SOUTH OF THE PACHECO RD UC TO SOUTH OF THE SR 65 NB OFF-RAMP	SHOPP	CONSTRUCTION	\$5,143	July-04	September-05
VL	KERN	2.7/57.5	492501	INSTALL INTERCHANGE EXIT NUMBER SIGNS ON FREEWAYS	AT VARIOUS LOCATIONS	MINOR	NA	\$731	June-05	December-05
								TOTAL ESTIMATED COST	\$111,190	

VL=Various Locations

Figure 3-7

Project information updated 04/05/05
For more project information refer to the contact list on page 72



FUTURE FACILITY

3.3.3 Capacity Improvements

In the following Figures 3-8 and 3-9, a map shows programmed STIP projects on Route 99 along with the accompanying chart. These are programmed in various phases of development; they will be constructed over the next 10+ years. In addition, there are Regional Transportation Plan (RTP) projects on Route 99 that are planned to be constructed over the next 20 years by Caltrans and the seven Metropolitan Planning Organizations (Kern, Tulare, Fresno, Madera, Merced, Stanislaus, and San Joaquin counties) in Districts 6 and 10. These are listed in Figures 3-10 and 3-11.

It is critical to know how well the Transportation Concept Facility for Route 99 is being met by the programmed STIP and planned RTP projects for the next 20 years. This is illustrated in Figure 3-12, which shows the concept facility segments met by a) programmed projects only; and then b) through the addition of RTP projects.



Route 99 Corridor Enhancement Master Plan

TAG #	COUNTY	POST MILE	EA	WORK DESCRIPTION	LOCATION DESCRIPTION	PROGRAM	STATUS	ESTIMATED COST (x \$000)	BEGIN CONSTRUCTION	END CONSTRUCTION
1	SAN JOAQUIN	18.5/22.9	4454U1	WIDEN TO SIX LANES, MODIFY INTERCHANGES AND RECONSTRUCT SR 99	IN STOCKTON, FROM SR 4 TO NORTH OF THE HAMMER LN OC	MEASURE	CONSTRUCTION	\$55,000	March-05	January-07
2	SAN JOAQUIN	15.0/18.6	3A1000	WIDEN TO SIX LANES	IN STOCKTON, FROM .6 KM NORTH OF ARCH RD TO .2 KM SOUTH OF SR 4 WEST	STIP	PA&ED	\$109,011	July-12	July-16
3	SAN JOAQUIN	14.1/15.0	1A7004	CONSTRUCT INTERCHANGE	IN AND NEAR STOCKTON, FROM .9 KM SOUTH TO 1.1 KM NORTH OF THE ARCH RD OC	STIP	CONSTRUCTION	\$31,878	May-02	July-07
4	SAN JOAQUIN	6.4/7.0	3A0901	RECONSTRUCT INTERCHANGE	IN MANTECA, FROM .3 KM SOUTH TO .5 KM NORTH OF THE SR 99/SR 120 EAST IC	STIP	PS&E/RW	\$10,780	April-05	August-06
5	STANISLAUS	20.8/21.4	472100	MODIFY INTERCHANGE	IN MODESTO, FROM .3 KM SOUTH TO .6 KM NORTH OF THE PELANDALE OC	STIP	PA&ED	\$72,518	July-08	December-10
6	STANISLAUS	R11.9	2A7701	RECONSTRUCT INTERCHANGE	IN CERES, AT THE WHITMORE OC	STIP	PS&E/RW	\$19,852	December-07	May-10
7	STANISLAUS	9.7/10.9	1A6900	RECONSTRUCT INTERCHANGE	IN CERES, FROM .5 KM SOUTH TO 1 KM NORTH OF MITCHELL RD	LOCAL	PA&ED	\$49,000	May-09	July-12
8	MERCED	26.5/28.8	316961	CONVERT 4 LANE EXPRESSWAY TO 6 LANE FREEWAY ON 8 LANE FREEWAY R/W ALIGNMENT	NEAR LIVINGSTON, FROM SOUTH OF ARENA WY TO SOUTH OF HAMMATT AVE	STIP	CLOSE OUT	\$33,455	September-05	September-07
9	MERCED	23.8/26.5	414801	CONVERT 4 LANE EXPRESSWAY TO 6 LANE FREEWAY ON 8 LANE FREEWAY R/W ALIGNMENT	NEAR ATWATER, FROM NORTH OF THE ATWATER OH TO SOUTH OF ARENA WY	STIP	CLOSE OUT	\$38,642	May-07	May-10
10	MERCED	10.2/12.8	363101	CONVERT 4 LANE EXPRESSWAY TO 6 LANE FREEWAY ON 8 LANE FREEWAY R/W ALIGNMENT	IN MERCED, FROM MCHENRY RD TO SOUTH OF THE CHILDS AVE OC	STIP	PS&E/RW	\$67,125	December-05	December-08
11	MERCED	4.6/10.5	415700	CONVERT 4 LANE EXPRESSWAY TO 6 LANE FREEWAY ON 8 LANE FREEWAY R/W ALIGNMENT	FROM BUCHANAN HOLLOW RD TO NORTH OF MCHENRY RD	STIP	PA&ED	\$114,174	March-08	October-11
12	MERCED	0/4.6	415800	CONVERT 4 LANE EXPRESSWAY TO 6 LANE FREEWAY ON 8 LANE FREEWAY R/W ALIGNMENT	NEAR MERCED, FROM THE MADERA COUNTY LINE TO BUCHANAN HOLLOW RD	STIP	PA&ED	\$83,061	February-08	September-11
13	MADERA	19.6/22.6	293301	WIDEN FROM FOUR LANE EXPRESSWAY TO SIX LANE FREEWAY WITH INTERCHANGE AT AVE 22	NEAR FAIRMEAD, FROM SOUTH OF AVE 21 TO SOUTH OF THE SR 99/152 SEP	STIP	PS&E/RW	\$40,242	July-06	September-08
14	MADERA	8.9/10.4	407201	MODIFY INTERCHANGE	IN MADERA, FROM SOUTH OF THE SOUTH MADERA OC TO NORTH OF THE SR 99/145 SEP	STIP	PS&E/RW	\$5,370	May-06	July-08
15	FRESNO	27.3/28.3	442700	RECONSTRUCT INTERCHANGE	IN FRESNO, AT THE SHAW AVE INTERCHANGE	STIP	PA&ED	\$32,137	January-10	March-13
16	FRESNO	R0.7/R7.4	350701	WIDEN FROM FOUR LANE FREEWAY TO SIX LANE FREEWAY	IN AND NEAR SELMA, FROM THE SR 99/201 SEP TO NORTH OF THE FLORAL AVE OC	STIP	PS&E/RW	\$51,605	January-06	July-08
17	TULARE	41.3/53.9	324500	WIDEN FROM FOUR LANE FREEWAY TO SIX LANE FREEWAY	IN TULARE AND FRESNO COUNTIES, FROM NORTH OF THE NORTH GOSHEN OH TO NORTH OF THE CONEJO AVE OC	STIP	PA&ED	\$123,508	January-10	August-13
18	TULARE	30.6/41.3	360200	WIDEN FROM FOUR LANE FREEWAY TO SIX LANE FREEWAY	NEAR TULARE, FROM PROSPERITY AVE TO NORTH OF THE NORTH GOSHEN OH	STIP	PA&ED	\$72,765	January-12	August-14
19	KERN	R30.5/R31.1	433501	MODIFY INTERCHANGE	NORTH OF BAKERSFIELD, AT THE 7TH STD RD INTERCHANGE	LOCAL	PS&E/RW	\$13,749	October-06	October-08
20	KERN	20.8/21.7	428104	MODIFY INTERCHANGE	IN BAKERSFIELD, AT WHITE LN	LOCAL	CONSTRUCTION	\$5,659	July-03	July-05

TOTAL ESTIMATED COST \$1,029,531

Figure 3-9

Project information updated 04/05/05
For more project information refer to the contact list on page 72



**Regional Transportation Plan Project Candidates
District 6**

CO	RTE	PM		FROM	TO	PROJECT DESCRIPTION	
KER	99	13.4	22.6	Bear Mountain Blvd	Ming Ave	Phased, widen to 8 lanes	
KER	99	27.9		Olive Dr Interchange		Reconstruct interchange	
TUL	99	0.0	30.6	Kern Co Line	Prosperity Ave	Widen from 4F to 6F	
TUL	99	25.4		Avenue 200 Interchange		Modify interchange	
TUL	99	27.5		Paige Ave Interchange		Modify interchange	
*	TUL	99	30.6	41.3	Prosperity Ave	Goshen OH	Widen from 4F to 6F
TUL	99	30.6		Prosperity Ave Interchange		Modify interchange	
TUL	99	31.9		Cartmill Ave Interchange		Modify interchange	
TUL	99	33.5		Tulare Ave Interchange		Modify interchange	
TUL	99	36.4		Caldwell Interchange		Modify interchange	
TUL	99	40.1		Betty Dr (Avenue 304)		Construct new interchange	
TUL	99	41.1		Commercial Ave Interchange		Construct new interchange	
*	TUL	99	41.3	53.9	Goshen OH	Fresno Co Line	Widen from 4F to 6F
FRE	99	0.0	0.7	Tulare Co Line	SR 201	Widen from 4F to 6F, widen Bridge to 6F	
*	FRE	99	0.7	6.2	SR 201	SR 43	Widen from 4F to 6F
FRE	99	6.8		Floral Rd/SR 43 Interchange		Replace bridge structure and widen Floral Rd	
FRE	99	15.8		Central Ave/Chestnut Ave Interchange		Interchange improvements	
FRE	99	15.8	18.5	Central Ave	Jensen Ave	Widen from 6F to 8F	
FRE	99	16.8	17.3	Cedar Ave/North Ave Interchange		Interchange improvements	
FRE	99	18.5	29.0	Jensen Ave	Bullard Ave	Widen from 6F to 8F	
FRE	99	20.3		Ventura Ave Interchange		Interchange improvements	
FRE	99	20.7	24.4	Fresno St	Clinton Ave	Add NB and SB auxiliary lanes	
FRE	99	26.6		Ashlan Ave		Construct lane for onramp	
FRE	99	26.6	31.6	Ashlan Ave	Madera Co Line	Widen from 4F to 6F	
*	FRE	99	28.1		Shaw Ave Interchange		Interchange improvements
FRE	99	30.5		Grantland Diagonal		Construct interchange	
MAD	99	0.0	1.0	Fresno Co Line	Avenue 7	Widen from 4F to 6F	
MAD	99	1.0	7.5	Avenue 7	Avenue 12	Widen from 4F to 6F	
MAD	99	7.5	12.8	Avenue 12	Avenue 16	Widen from 4F to 6F	
MAD	99	12.8	20.5	Avenue 16	Avenue 21½	Widen from 4F to 6F	
*	MAD	99	21.8	22.6	At SR 152		Extend SB auxiliary lane
*	MAD	99	21.8	22.6	At the connector ramp from EB SR 152		Construct SB auxiliary lane
MAD	99	22.7		SR 152 Interchange		New interchange and rail crossing	
MAD	99	22.7	29.4	SR 152	Merced Co Line	Widen from 4F to 6F	

*These are RTP projects also shown on “Programmed” project lists in Figures 3-5, 3-7, 3-9 and 3-14.

Figure 3-10



**Regional Transportation Plan Project Candidates
District 10**

	CO	RTE	PM		FROM	TO	PROJECT DESCRIPTION
*	MER	99	0.0	4.6	Madera County Line	Buchanan Hollow Rd	Widen from 4E to 6F on 8F R/W Alignment (Freeway Upgrade & Plainsburg Road Interchange)
*	MER	99	4.6	10.5	Buchanan Hollow Rd	N of McHenry Rd	Widen from 4E to 6F on 8F R/W Alignment
*	MER	99	10.2	12.8	N of McHenry Rd	S of Childs Ave OC	Widen from 4E to 4F on 8F R/W Alignment
	MER	99	12.8	23.8	S of Childs Ave	N of Atwater OH	Widen from 4F to 6F
*	MER	99	23.8		Bellevue (Provide Access to N Atwater)		Construct new interchange
*	MER	99	23.8	26.5	N of Atwater OH	S of Arena Way	Widen from 4E to 6F on 8F R/W
*	MER	99	26.5	28.8	S of Arena Way	S of Hammatt Ave	Widen from 4E to 6F on 8F R/W alignment
	MER	99	28.8	36.4	Livingston	S of the Stanislaus County Line	Widen from 4F to 6F
	STA	99	1.4		SR 165 (Lander Ave) Interchange		Modify interchange
*	STA	99	9.7	10.9	Mitchell Rd/Service Rd Interchange		Reconstruct interchange
	STA	99	10.9	22.5	City of Ceres	Kiernan (SR 219)	Widen from 6F to 8F
*	STA	99	11.9		Whitmore Ave Interchange		Construct overcrossing
	STA	99	16.1		SR 132 Interchange		Modify interchange
	STA	99	19.9		Standiford Interchange		Modify interchange
*	STA	99	21.5	22.0	Pelandale Ave Interchange		Reconstruct interchange
	SJ	99	3.3		Olive Rd in Ripon		Construct overhead and overcrossing
	SJ	99	0.6		Main Street in Ripon		Reconstruct interchange
	SJ	99	4.8		Austin Rd in Manteca		Reconstruct interchange
	SJ	99	6.2	14.6	SR 120 in Manteca	Arch Rd in S Stockton	Widen from 4F to 6F
*	SJ	99	6.4	7.0	SR 120 Interchange		Widen SR 120 through interchange area & reconstruct the SR 99 Overhead and on/off ramps
	SJ	99	9.1		Lathrop and N Main in Manteca		Widen to 4 lanes with 2 lane ramps
*	SJ	99	14.3	16.7	Arch Rd		Construct interchange
*	SJ	99	15.6	18.6	N of Arch Rd	S of SR 4 West	Widen from 4F to 6F
	SJ	99	16.7	17.2	Mariposa Rd and Farmington Rd Interchanges in Stockton		Reconstruct and combine interchanges (Stages 1 & 2)
*	SJ	99	18.6	22.9	S of SR 4 West	Hammer Ln	Widen 4F to 6F & modify interchange
	SJ	99	21.1	22.1	March Ln/Wilson Way in Stockton		Construct combined Wilson Way, March Ln Interchange
	SJ	99	22.8	23.0	Hammer Ln Interchange		Modify interchange
	SJ	99	24.0		Morada Ln in Stockton		Reconstruct interchange
	SJ	99	25.2		Eight Mile Rd in Stockton		Reconstruct interchange
	SJ	99	28.3	38.8	Harney Rd	Sacramento County Line	Widen 4F to 6F
	SJ	99	29.3		SR 12 West in Lodi		Reconstruct interchange
	SJ	99	31.5		Turner Rd in Lodi		Reconstruct interchange

*These are RTP projects also shown on “Programmed” project lists in Figures 3-5, 3-7, 3-9 and 3-14.

Figure 3-11

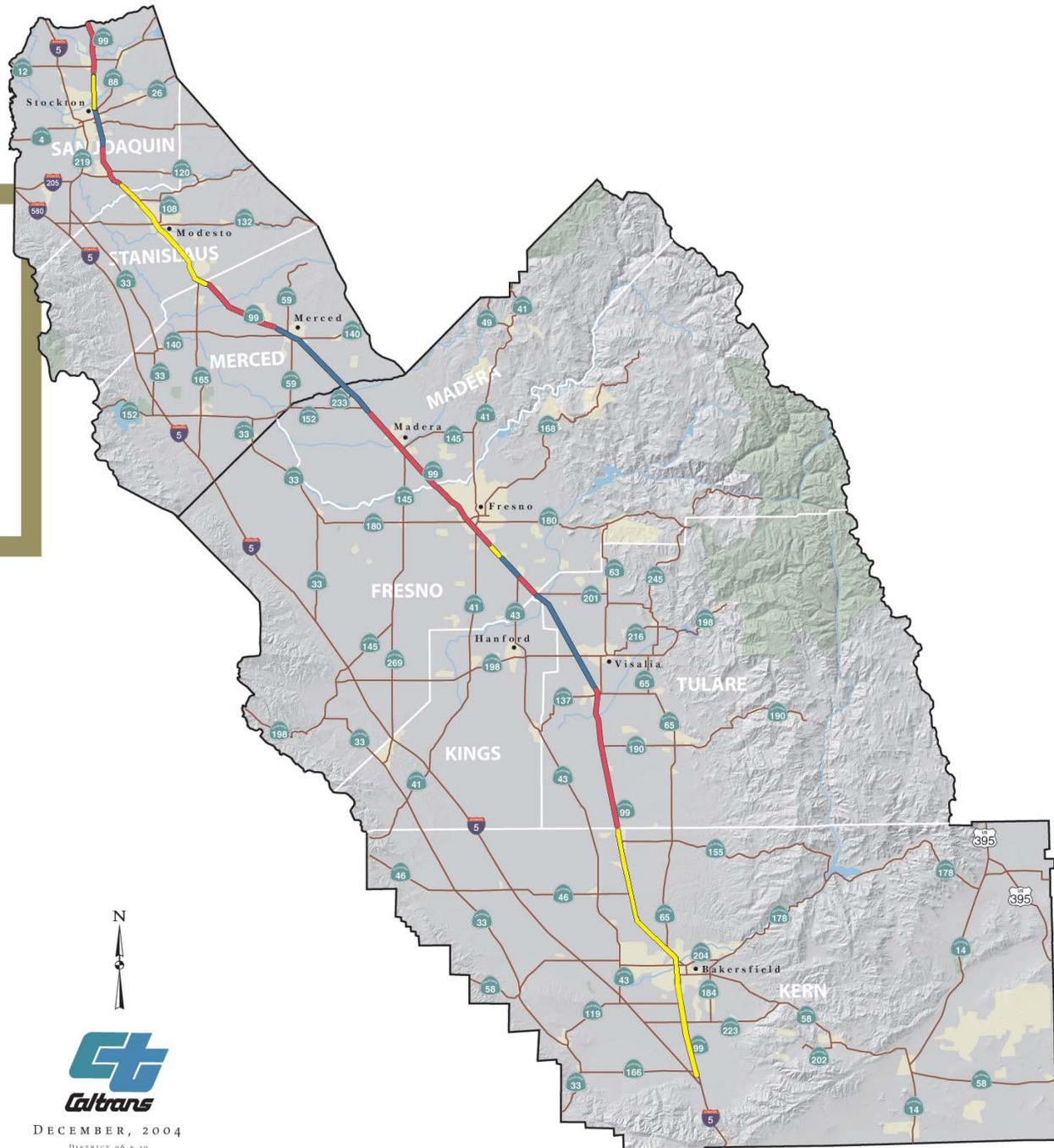


Facility Concept Achieved By 2030

Legend

- Facility Concept Met -BY STIP
- Facility Concept Met -BY RTP
- Facility Concept Previously Met

Note: Some segments only partially meet the Facility Concept i.e. may also have aux lanes or additional lanes



DECEMBER, 2004
DISTRICT 06 & 10



Figure 3-12

FUTURE FACILITY

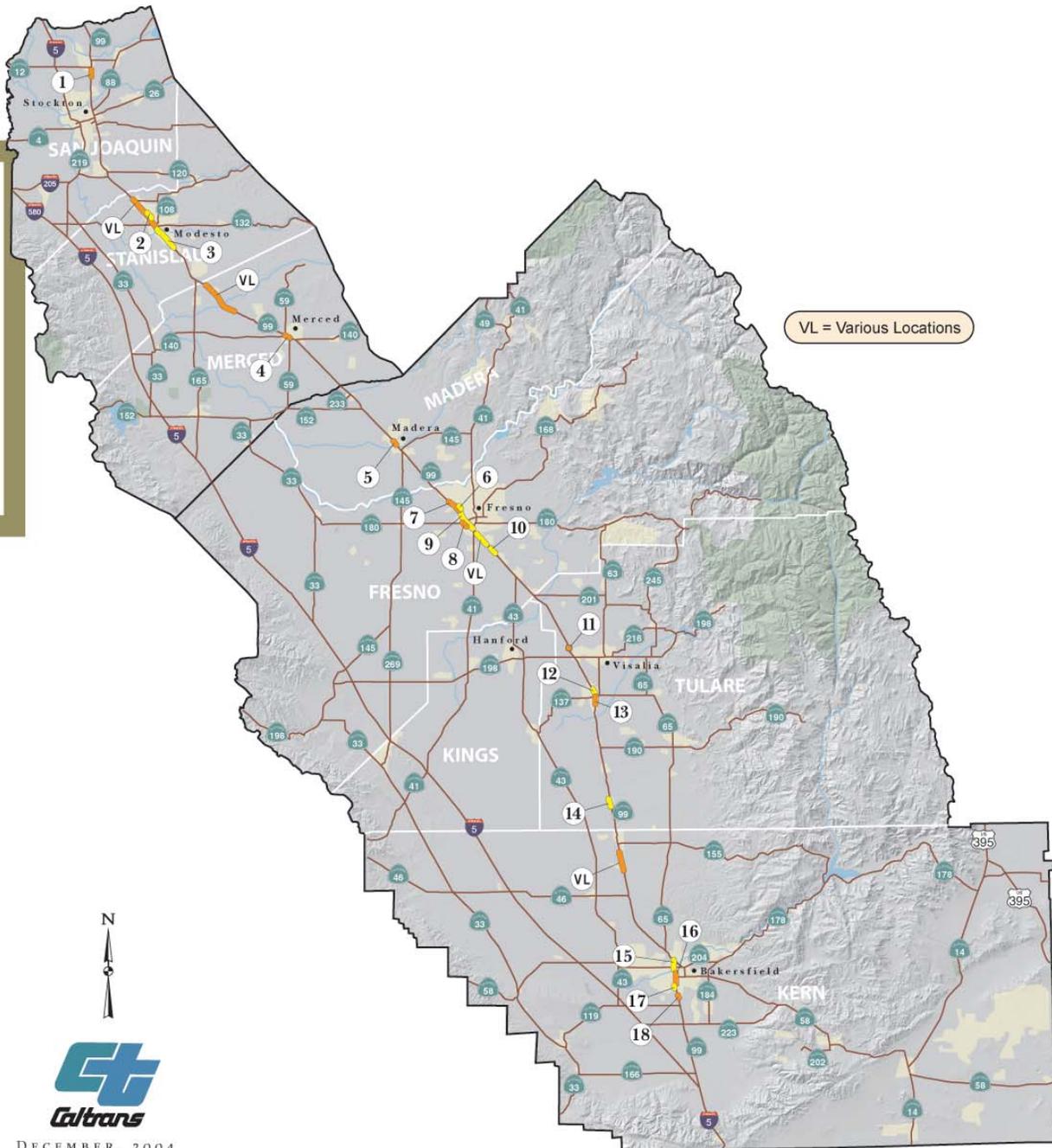
The map shows that most of Route 99 facility needs, (i.e. minimum of a 6 lane freeway) will be met by the STIP and RTP projects. There will be segments in San Joaquin, Merced, Madera and Tulare counties which will not have the 6 lane freeway concept met. Interchange modification projects are not shown on the map as they are too plentiful to clearly illustrate them.

3.3.4 Enhancing Corridor Aesthetics

Improving the appearance of Route 99, particularly for the “Functional Planting” and “Highway Planting”, is an ongoing function that Caltrans conducts through the SHOPP and Minor programs. This will occur in conjunction with the major landscaping and theme development for capacity improvements on the mainline and interchanges. Figures 3-12 and 3-13 (map and chart) show the Programmed Appearance and Soundwall Projects that will develop in the near future.



PROGRAMMED Appearance and Soundwall Projects




DECEMBER, 2004
DISTRICT 06 & 10

Figure 3-13



Route 99 Corridor Enhancement Master Plan

TAG #	CO	PM	WORK DESCRIPTION	LOCATION DESCRIPTION	PROGRAM	STATUS	ESTIMATED COST (x \$000)	BEGIN CONSTRUCTION	END CONSTRUCTION
1	SAN JOAQUIN	28.2/29	REPLACEMENT HIGHWAY PLANTING	IN AND NEAR LODI, FROM SOUTH OF HARNEY LANE TO NORTH OF THE SOUTH LODI OC	MINOR	CONSTRUCTION	\$591	May-03	November-06
2	STANISLAUS	M18/M19.3	LANDSCAPE - OVERSIGHT	FROM 0.8 KM SOUTH OF THE BRIGGSMORE RD OC TO 1.3 KMS NORTH OF THE BRIGGSMORE RD OC	SHOPP	PA&ED	\$1,382	August-06	June-10
VL	STANISLAUS	R15.0/R23.3	HIGHWAY PLANTING RESTORATION	IN AND NEAR MODESTO AND SALIDA, AT VARIOUS LOCATIONS FROM THE TUOLUMNE RIVER BR TO NORTH OF SR 219	SHOPP	PA&ED	\$2,513	July-07	September-10
3	STANISLAUS	R9.9/R15.0	HIGHWAY PLANTING RESTORATION	FROM .3 KM SOUTH OF THE MITCHELL RD UC TO THE TUOLUMNE RIVER BR	SHOPP	PS&E/RW	\$2,778	January-06	May-10
VL	MERCED	R28.2/R36.4	HIGHWAY PLANTING AND IRRIGATION	IN AND NEAR LIVINGSTON AND DELHI AT VARIOUS LOCATIONS	STIP	CONSTRUCTION	\$2,685	May-02	August-06
4	MERCED	15.2/16.2	HIGHWAY PLANTING RESTORATION	IN MER, FROM THE "O" ST UC TO JUST NORTH OF THE "V" ST UC	SHOPP	CLOSE OUT	\$1,389	May-05	October-08
5	MADERA	12.5/13.3	REPLACEMENT PLANTING	IN AND NEAR MADERA, FROM SOUTH OF THE AVE 16 OC TO NORTH OF THE AVE 16 OC	MINOR	NA	\$90	NA	NA
6	FRESNO	24.2/24.5	FREEWAY MAINTENANCE ACCESS	IN FRE, FROM THE NORTH FRE UC TO NORTH OF THE CLINTON AVE OC AND AT THE ASHLAN AVE OC	MINOR	CONSTRUCTION	\$60	NA	NA
7	FRESNO	24.2/26.7	PLANTING AND IRRIGATION	IN FRE, FROM THE NORTH FRE UC TO NORTH OF THE ASHLAN AVE OC	MINOR	CONSTRUCTION	\$162	NA	February-07
8	FRESNO	21.4/22.4	HIGHWAY PLANTING AND RESTORATION	IN FRE, FROM THE EL DORADO ST OC TO THE KERMAN BRANCH UP	SHOPP	PS&E/RW	\$2,846	May-06	July-10
9	FRESNO	19.8/24.2	PLANTING AND IRRIGATION	IN FRE, FROM THE CALIFORNIA AVE OC TO THE NORTH FRE UC	SHOPP	CONSTRUCTION	\$1,500	June-01	July-07
VL	FRESNO	14.7/18.5	ESTABLISH EXISTING PLANTING	VARIOUS LOCATIONS	MINOR	CONSTRUCTION	\$51	NA	NA
10	FRESNO	12.2/14.5	HIGHWAY PLANTING	FROM 19.6 KMS NEAR THE CLOVIS AVE UC TO 23.3 KMS AT THE AMERICAN AVE OC	MINOR	CONSTRUCTION	\$586	February-03	October-06
11	TULARE	40.4	CONSTRUCT PEDESTRIAN OC	IN GOSHEN, AT THE THE NORTH GOSHEN OC	SHOPP	CONSTRUCTION	\$3,245	July-04	October-05
12	TULARE	30.1/31.0	LANDSCAPE MITIGATION	IN TUL, AT PROSPERITY AVE	STIP	CONSTRUCTION	\$300	September-05	July-09
13	TULARE	28.3/29.9	HIGHWAY PLANTING RESTORATION	IN TUL, FROM SOUTH OF BARDSLEY AVE TO NORTH OF CROSS AVE	SHOPP	CONSTRUCTION	\$1,533	November-05	July-10
14	TULARE	5.6/7.3	REPLACE PLANTING AND IRRIGATION	IN AND NEAR EARLIMART, FROM SOUTH OF THE AVE 48 OC TO NORTH OF THE AVE 56 OC AND NEAR TIPTON, FROM NORTH OF THE SR 190 OC TO 2 KMS SOUTH OF THE AVE 152 OC	SHOPP	CONSTRUCTION	\$1,807	November-05	July-10
VL	KERN	49.1/57.6	PLANTING AND IRRIGATION	NEAR MCFARLAND AND DELANO AT VARIOUS LOCATIONS	SHOPP	CONSTRUCTION	\$1,857	March-03	September-06
15	KERN	24.7/27.1	IRRIGATION UPGRADE AND HIGHWAY PLANTING RESTORATION	IN BAKERSFIELD, FROM THE SANTA FE RR OC TO NORTH OF THE SR 204/99 INTERCHANGE	SHOPP	CONSTRUCTION	\$2,736	February-05	December-08
16	KERN	21.5/24.7	HIGHWAY PLANTING RESTORATION	IN AND NEAR BAKERSFIELD, FROM THE PLANZ RD OC TO NORTH OF THE CALIFORNIA AVE OC	SHOPP	CONSTRUCTION	\$1,280	December-01	November-05
17	KERN	21.1/21.3	CONSTRUCT SOUNDWALL	IN BAKERSFIELD, AT WHITE LANE	STIP	CONSTRUCTION	\$750	July-03	July-05
18	KERN	19.4/19.7	HIGHWAY PLANTING RESTORATION	NEAR BAKERSFIELD, AT THE PANAMA LN OC	MINOR	CONSTRUCTION	\$25	NA	March-05

TOTAL ESTIMATED COST \$30,166

Project information updated 04/05/05
For more project information refer to the contact list on page 72

Figure 3-14



FUTURE FACILITY

3.4 Rest Areas

In 2000, a new “Caltrans Safety Roadside Rest Area System Master Plan” was approved. A priority was placed on identifying new rest area sites that best address the trucking industry needs for safe stopping and rest. In this new Master Plan, five new sites have been identified for the Route 99 Corridor (see Figure 2-5 in Chapter 2). These will help to alleviate the current shortage.

The existing Safety Roadside Rest Areas are in need of renovation and upgrades to sustain the high levels of use and to comply with the Americans with Disabilities Act requirements. Enoch Christoffersen SRRA completed major ADA upgrades in 2003. The Chester H. Warlow facility is funded and in the design development phase. The rehabilitation of Phillip S. Raine has been included in the “10-year State Highway Operation and Protection Plan” for District 6.

There is an initiative to modernize the existing three rest areas along Route 99 in District 10 (Enoch Christoffersen in Turlock) and District 6 (Phillip Raine in Tipton and Chester H. Warlow along the Kings River) with new technology and kiosks as a demonstration project. The project is a collaboration between Caltrans, The Great Valley Center, and the Business, Transportation and Housing Agency.

Several aspects of rest area improvements proposed for the project are:

- Improving the appearance of the rest areas. Possibilities are landscaping, transportation art and enhanced maintenance.

- Providing interactive technology applications at the rest areas. These might be graphic and electronic public information displays, wireless internet and free non-commercial traveler information, such as showing history and culture of the area. The consensus of the forementioned groups is to have some technology in place for the 2005 ITS World Congress.
- Provide commercial enterprises, such as food and drink, publications, and advertising.
- Provide for pay hydrogen fueling stations.

New Safety Roadside Rest Areas may be developed through solicitation of a joint-development, privatized effort. It is hoped that public funding can be leveraged through this process to maximize the availability and quality of safe roadside stopping opportunities.

Caltrans provision for rest stops promotes traffic safety and serves the Department’s goal to promote efficient goods movement for California’s economic vitality.

FUTURE FACILITY

3.5 Interstate Designation Proposal

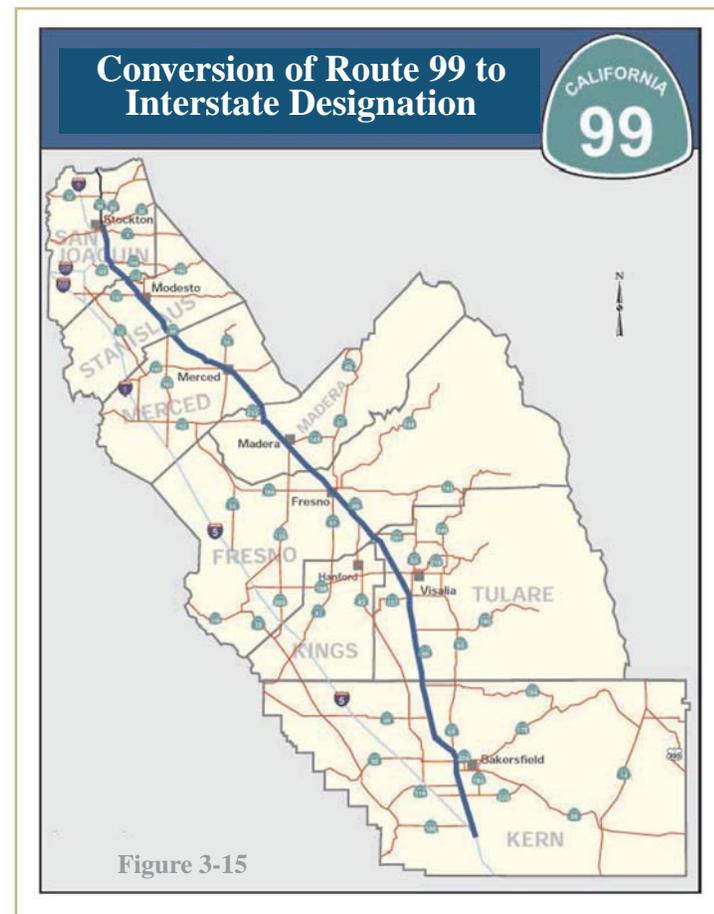
3.5.1 Consideration of Interstate Designation

Designation of State Route 99 as part of the National System of Interstate Routes has been considered for the San Joaquin Valley segment on three occasions. First, when the original Interstate system of highways was initially established in the 1950's. The second time was in the 1980's and most recently beginning in 2003. In each of the first two efforts, the I-5 alignment was determined to best represent the intent and purpose of routes in the Interstate system.

The most recent effort remains active. Interstate designation is but one of numerous initiatives proposed by the Fresno based Regional Jobs Initiative (RJI). RJI is a grass roots group of business and economic interests with a common mission of creating 30,000 new medium paying jobs over a five year period. Lack of Interstate designation has been identified as a constraint towards efforts to either attract new business, or business expansion in the San Joaquin Valley. The eight county San Joaquin Valley has an unemployment rate of more than twice the statewide rate.

Interstate designation, under the current proposal, would apply to the 260 mile segment between the junction of State Route 99 with I-5 south of Bakersfield to I-5 in Stockton using State Route 4 as the connector to I-5. Since there is an I-99 route currently in existence in Pennsylvania, it is anticipated that should designation

be granted, the Route 99 designation would become I-7 or I-9 to satisfy Interstate numbering convention.



FUTURE FACILITY

3.5.2 Designation Activities

The California Business, Transportation and Housing Agency Secretary has taken the lead toward identifying stakeholder interests and inventorying the benefits and concerns of those stakeholders. The Agency Secretary has requested that the Great Valley Center, with support from Caltrans, inventory those benefits and concerns and make recommendations to the Agency. The Agency will in turn make a recommendation to the Governor indicating whether the State of California should request designation by the U.S. Department of Transportation.

On August 2, 2004, Assembly Joint Resolution (AJR) 63 was approved. Under AJR 63 the Governor would seek Interstate designation for Route 99 under specified conditions. These conditions are:

- The President or Congress requests and is granted an exemption from all Interstate requirements or the State is exempted from financing any costs to upgrade to Interstate requirements.
- The current \$16.1 million from the Traffic Congestion Relief Program should be expended on Route 99.
- Route 99 should be granted historic designation.

Since September 2, 2004, the Great Valley Center, Caltrans and the eight Metropolitan Planning Organizations (MPOs) in the San Joaquin Valley have been in discussions and developed technical information so MPO governing boards and the Agency

Secretary can make an informed recommendation to the Governor.

Issues are complex and potentially far reaching. It is estimated to cost about \$6 billion to widen the 4 lane gaps to 6 lanes which will address safety needs and congestion relief in the San Joaquin Valley over the next 25 years. Issues include whether all Interstate standards must be satisfied or some may be waived. The additional cost to meet Interstate requirements is roughly estimated to be \$14-\$19 billion. Will the additional federal transportation funds be made available to California? If so, will they be in addition to otherwise available federal transportation funds? How much of the already programmed, but not fully funded improvements, are expected to meet some or all Interstate standards? We have the estimate of the cost, but no economic or job benefit data to compare the benefit-cost of Interstate designation. If special funding is made available to meet Interstate requirements, what might the impact be on potential federal funding for other non-Route 99 regional priorities? The latest information regarding the Interstate designation for Route 99 can be found on the Caltrans District 6 website at <http://www.dot.ca.gov/dist6/planning/index.htm>

3.5.3 Designation Follow-up Activities

This report will incorporate, as appropriate, whatever decisions are made with regard to Interstate designation. This could take the form of modifications to project listings, changes to the priority of categories of improvements noted in this Master Plan, or new



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opportunities to incorporate corridor theme elements.

Added funding and additional or advancement of planned projects provide an enhanced opportunity to include more corridor theme elements along the length of the corridor. If there is significant additional funding made available to the Route 99 corridor, whether for Interstate upgrades, or to advance planned improve-

ments to meet the Caltrans Route Concept, the Route 99 Corridor Enhancement Master Plan Advisory Committee will have the opportunity to make recommendations toward aesthetic and theme-related enhancements.

Chapter 4 addresses the Route 99 Corridor Theme and how the State and local agencies can work together to improve the appearance and image of the corridor.

