

2005 Regional Transportation Plan - Possible Evaluation Measures

Possible Performance Measures	Sources of data	Staff	Committee Recs			Other Agency Recs		
		Rec	ITAC	E&D	Bike	AirDist	Metro	AMBAG
STAFF RECOMMENDED EVALUATION MEASURES:								
1 MAINTENANCE: Number of road lane miles and buses/bus facilities overdue for maintenance/rehab	Caltrans, local js, SCMTD	*	*					*
2 ENVIRONMENT: Smog forming pollutants - tons	AMBAG Model	*				*		
3 EQUITY: Transportation expenditures per jurisdiction & per mode	RTC: RTP, RTIP	*	*					
4 VEHICLE OCCUPANCY: Average vehicle occupancy on Highways 1 & 17	RTC counts, AMBAG can forecast	*						
5 CONGESTION: Vehicle hours of delay analysis	AMBAG model	*				*		*
6 COMMUTE: Average Commute distances	AMBAG	*				*		
7 SAFETY: Number of "hot spot" accident locations	Pub Works/CHP	*	*			no		
8 TRANSIT: Ridership/capita	SCMTD	*	*					
9 TRANSIT: Number of jobs and housing units within 1/4 mile of transit stops (not route) on fixed routes.	GIS	*	*			*		*
10 PARATRANSIT: Number of paratransit & sr/disabled fixed route rides/% of population that is elderly or disabled	SCMTD, Community Bridges Local js, RTP	*	*	*				*
11 BIKE: Miles of Class 1 & 2 bikeways	project list	*	*			no		*
12 BIKE: Number of bike collisions/population	SWITRS	*	*					*
13 PEDESTRIAN: Number of new miles of pedestrian facilities - sidewalks/paths	Local js, RTP project list	*	*			no		*
14 PEDESTRIAN: Number of collisions/population	SWITRS	*						*

Possible Performance Measures		Sources of data	Staff Rec	Committee Recs ITAC E&D Bike	Other Agency Recs AirDist Metro AMBAG	
Other Possible Evaluation Measures - Identified or Recommended by an RTC Committee						
1	Noise levels resulting from Highway Noise			*		
2	Transit Passengers/mile and Passengers/hour -- rate of increase	SCMTD		*		Avail
3	Transit Availability (bus frequency) & Hours of service	SCMTD (NTD report), RTP list		*		Avail *
4	Connections to transit in other regions (number of buses/day and transfer dead time)	SCMTD, RTP list		*		Avail
5	Transit Customer Satisfaction	maybe hard to measure	data issue	*		
6	Number of Paracruz and Community Bridges rides/% of population that this elderly or disabled (separate fixed rte)	SCMTD, Community Bridges		*		*
7	Wheelchair use on fixed route transit	SCMTD		*		
8	Compare low income areas to areas served/used	SCMTD once/yr survey & GIS		*		
9	Share of rides/consolidation of rides	ComBridges/MTD		*		
10	Increase in bicycle storage facilities	AB2766 grants?	data issue		*	no *
11	Number of new curbcuts installed	Local js		*		no
Other Possible Evaluation Measures - Identified or Recommended by Other Agencies						
12	Average trip travel time – in minutes by travel type: work, school, shopping, home maintenance (grocery, doctor,	AMBAG				*
13	Average work trip travel speed by mode – in mph (AMBAG has for autos by time of day)	Census & Model?				*
14	Work trip mode split	AMBAG Model				* *
15	Percentage adopted TCM investment of transportation pro	AMBAG Model				* *
16	Access to work force	AMBAG Model				*
17	Average daily travel time	Census & Model				no *
18	Person trips by travel mode	AMBAG Model				no *

Possible Performance Measures	Sources of data	Staff	Committee Recs			Other Agency Recs		
		Rec	ITAC	E&D	Bike	AirDist	Metro	AMBAG
19 An ITS measurement gauge (gauge TBD)	AMBAG Model?/ RTPs					no		*
20 Average Speed During PM Peak or Speed Variance between Free Flow and PM Peak	Measure; RTC, AMBAG-model		data issue			*		
21 LOS on regional road network	Local j's, AMBAG model		data issue					
22 VMT by time period	AMBAG Model					*		*
23 Add vehicle hours of travel\	AMBAG Model							*
24 Congested peak period travel conditions	AMBAG Model							*
25 Trip travel times/delay for trucks	AMBAG Model							*
26 Number of fixed transit routes (subset=avg headways on collectors or arterials in urban areas)	SCMTD, RTP list						Avail	
27 Use rate of transit bicycle rack	SCMTD		data issue					*
28 % of Population living within x distance from bicycle faci	GIS					no		*