

To: MTC Advisory Council

From: Evaluation Subcommittee (Margaret Okuzumi, Xiao-Yun Lu, Mike Pechner)

Date: January 26, 2010

Re: Recommendation to MTC from Advisory Council Evaluation Subcommittee

MTC has channeled billions of dollars toward various transportation projects in the past several decades. However, despite extensive planning efforts that have gone into successive Regional Transportation Plans, it's currently difficult for members of the public and policymakers to comprehend the regional outcomes that have been actually produced by this investment.

Almost all of MTC's analysis of transportation projects to date has been focused on modeled outcomes of future conditions, which are inherently uncertain. Now that fifteen years has passed since the first financially constrained RTP that MTC produced under ISTEA (in 1994), it is time to assess how our current quality of life has actually been affected by these investments. Such an analysis would help the public and decision makers understand the big picture of actual transportation investment and outcomes. This would provide greater transparency to the region's actions and help everyone assess the relative success of these investments, so as to guide future decision-making.

The Evaluation Subcommittee would like you to approve the recommendation below, so that we can submit it to the Commission. We believe it is reasonable to ask for this data and that its preparation will not present an undue burden to MTC, and yet will shed some light on how the RTP projects have impacted the region. We welcome your comments on this recommendation.

The Evaluation Subcommittee of the MTC Advisory Council recommends that MTC prepare the following:

- 1) For each of the large transit and highway projects included in the 1994 RTP, provide information as in the chart below.
- 2) Prepare maps of the Bay Area color/geo-coded to a fine level of detail (per census tract or other smallest unit possible) to show
 - a) The sum total of actual transportation expenditures in each area for the period between 1994 -2009, from all sources of state, federal, and local government funds. For major 1994 RTP projects, the expenditures are to be allocated to geographic area based on origination of users of the transportation facility (using existing conditions model runs from the last RTP). If users are originating from outside of the nine-county Bay Area, the map should indicate such and allocate expenditures accordingly.

- b) Estimated greenhouse gases emitted due to transportation, per capita, in 1994 and in 2009;
- c) Particulate emissions emitted due to transportation, per capita
- d) Change in safety (from traffic injury/death rates), per capita
- e) Change in energy use (BTUs) for transportation, per capita
- f) Change in percent of household income spent on transportation, broken down by income level
- g) Total travel delay in each project corridor, minutes

For each major project in the 1994 RTP (\$100M+ for transit projects, \$100M+ for highway projects), list each according to primary category “Transit” or “Highways” in the chart below. Additionally, identify any changes in Goods Movement volumes. The units for each shall be as in the column header, unless otherwise specified. Include a map showing location of the projects. For comparison purposes, please provide 1994 and 2009 regional totals for VMT, Households, Employed Residents and automobiles owned.

	Years to Completion		Volume		Goods Movement		Cost	
	projected in 1994 RTP	actual years to completion	1994 or projected	2009 actual	1994 ton-miles	2009 ton-miles	Projected total cost in 1994	Actual total as of 2009 (1994 dollars)
Transit Projects (list individually all 1994 RTP projects >\$100 M in total cost, 1994 dollars)			ridership	ridership				
Highway Projects (list individually all 1994 RTP projects >\$100 M in total cost, 1994 dollars)			VMT	VMT				