

Section 6: Next Steps

There are several distinct “next steps” projects that are planned for further analysis and use of the Bay Area Travel Survey 2000. These include major efforts to re-format the survey data files for use in tour-based and activity-based models, and other research to understand the changing characteristics of travel behavior in the San Francisco Bay Area.

The BATS 2000 follow-on projects include:

1. Extended GIS Analysis of BATS 2000 (MTC, 2003). This project will use MTC’s GIS system to add significant geographic value to the detailed X/Y coordinate information currently in the survey, including:
 - a. Door-to-door, road-following distance for every trip record;
 - b. Door-to-door total elevation change for every trip record;
 - c. Walk distance proximity of every household and every trip end to the nearest bus stop or rail station;
 - d. Drive-distance proximity of every household to the nearest transit park-and-ride station; and
 - e. Neighborhood density characteristics for every household.
2. Trip Chaining Procedures for BATS 2000. This project will use the linked trips used in trip-based travel analysis and “chain” these trips for use in tour-based and activity-based models. This would also include comparing home-work tours from BATS 2000 to journey-to-work data from Census 2000.
3. MTC research paper entitled “Activities, Time and Travel: Changes in Women’s Travel Time Expenditures.”
4. MTC research paper entitled “Imputation Strategies for Repairing Household Travel Surveys.”
5. MTC research on trends in time use, travel time expenditures and travel patterns.
6. Assigning survey-based trip tables and comparing assignment results to observed traffic and transit count data.
7. Follow-up analysis on travel characteristics by disability status.
8. Follow-up analysis on travel characteristics (vehicle miles of travel) by neighborhood density.
9. Support external researchers on use and analysis of BATS 2000 datasets.