Front Range Travel Counts Survey

Survey Background

Front Range Travel Counts (FRTC) is a set of travel surveys for the Front Range area. This includes a Household Travel Diary Survey, a Cordon Survey, and a Commercial Vehicle Survey.

Four MPOs (North Front Range, Denver, Pikes Peak, and Pueblo) collaborated on this project along with CDOT, RTD, the City and County of Denver, and NuStats (as a consultant).

12,385 households across the Front Range were surveyed - this translates to 29,388 people.

A random weekday between October 2009 and December 2010 was chosen for each household. Each member of that household recorded a travel diary for that day.

The survey serves as a travel behavior benchmark of residents in the Denver region. It will be used to validate the travel model which in turn informs both regional long-range transportation planning and whether the region will meet federal air quality standards.

Data Collected from the Survey

Each member of each household was asked questions about personal characteristics, household characteristics, travel behavior on the day of their diary, the type and number of cars the household owns, and any long-distance travel (outside the Front Range) they recently undertook.

Example household questions:

- What county/city do you live in?
- How long have you lived at this location?
- What is your household income?
- How many vehicles are available for regular use by the people who live in your household?
- How many bicycles does your household own and use on a regular basis?
- How many people live in the household and how many are workers?
- What is the gender and age, and education level of each person in the household? If they are a student, where do they go to school? If they are a worker, where do they work?
- Does this person have a transit pass - if so, what type?
- What is the person's occupation? Is their work location fixed or are they allowed to telework? If so, how often?
- How does this person normally get to school/work?
- Does this person's employer provide free parking? If not, how much does parking cost if this person drives to work?

Example person questions:

- For each vehicle, is this a(n)...car, van, SUV, Pick-up Truck, Other kind of truck, RV, Motorcycle, or something else? What type of fuel does it take? Is this vehicle owned, leased, or employer-provided? When did you acquire this vehicle? Was the purchase or lease of this vehicle a replacement of a vehicle you used to have, or did it add to the number of vehicles available to your household? When you are home, where is this vehicle parked? Do you, and if yes, how much do you have to pay to park at home?

Example vehicle questions:

- For each vehicle, is this a(n)...car, van, SUV, Pick-up Truck, Other kind of truck, RV, Motorcycle, or something else? What type of fuel does it take? Is this vehicle owned, leased, or employer-provided? When did you acquire this vehicle? Was the purchase or lease of this vehicle a replacement of a vehicle you used to have, or did it add to the number of vehicles available to your household? When you are home, where is this vehicle parked? Do you, and if yes, how much do you have to pay to park at home?

*NOTE: this is not the exact wording of how the questions were asked in the survey process.

Erik Sabina
esabina@drcog.org

Yali Li
yali@drcog.org

Gabrielle Voeller
gvoeller@drcog.org