

Bureau of Transportation Statistics

**Survey Documentation for the  
Bureau of Transportation Statistics  
Omnibus Survey Program  
(For Public Use)**

*July 2001*

**SURVEY DOCUMENTATION FOR THE  
BUREAU OF TRANSPORTATION STATISTICS  
OMNIBUS SURVEY PROGRAM**

**JULY 2001**

Prepared By:

**M DAVIS AND COMPANY INC.  
1520 Locust Street, 3<sup>rd</sup> Floor  
Philadelphia PA 19102**

**&**

**HLB DECISION ECONOMICS INC.  
8403 Colesville Road, Suite 910  
Silver Spring, MD 20910**

**July 24, 2001**

---

## TABLE OF CONTENTS

---

|   |     |
|---|-----|
| List of Tables.....   | iii |
| 1. Introduction and Background.....                                 | 1   |
| 2. Sample Design.....   | 3   |
| 2.1 Target Population.....  | 3   |
| 2.2 Sampling Frame and Selection.....                               | 3   |
| 2.2.1 RDD Sample.....   | 4   |
| 2.2.2 ID-PLUS .....   | 4   |
| 2.2.3 Address Matching.....   | 5   |
| 2.3 Precision of Estimates.....                                     | 5   |
| 3. Sampling Weights and Adjustments.....                            | 7   |
| 3.1 Base Sampling Weights .....                                     | 7   |
| 3.2 Adjustment for Unit Non-Response .....                          | 7   |
| 3.3 Adjustment for Households with Multiple Telephone Numbers ..... | 8   |
| 3.4 Adjustment for Number of Eligible Household Members.....        | 9   |
| 3.5 Post-Stratification Adjustments.....                            | 9   |
| 3.6 Trimming of Final Analysis Weights .....                        | 11  |
| 4. Variance Estimation.....   | 12  |
| 4.1 Variance Estimation Methodology .....                           | 12  |
| 4.1.1 Software .....  | 12  |
| 4.1.2 Methods.....  | 12  |
| 4.2 Degrees of Freedom and Precision .....                          | 13  |
| 5. Data Collection Plan .....                                       | 14  |
| 5.1 Expert Panel .....  | 14  |
| 5.2 Cognitive Interviews.....                                       | 14  |
| 5.3 Data Collection Schedule .....                                  | 14  |
| 5.4 Interview Procedures .....                                      | 14  |
| 5.4.1 Pre-Testing .....   | 14  |
| 5.4.2 Interviewer Training .....                                    | 15  |
| 5.4.3 Pre-Contact Letter.....                                       | 17  |
| 5.4.4 Call Attempts and Callbacks .....                             | 18  |
| 5.4.5 Disposition Codes.....  | 20  |
| 5.4.6 Household Screening .....                                     | 21  |
| 5.4.7 Interviewing Methods .....                                    | 21  |
| 5.5 Data Quality Control Procedures.....                            | 22  |
| 5.5.1 Interviewer Performance.....                                  | 22  |
| 5.5.2 Other Procedures .....  | 22  |
| 5.6 Summary of Data Cleaning.....                                   | 23  |
| 5.7 Treatment of Missing Values .....                               | 23  |
| 5.8 Response Rates .....  | 23  |

|  |                                      |     |
|--|--------------------------------------|-----|
| 5.8.1  | Number of Completed Interviews ..... | 24  |
| 5.8.2  | Calculation of Response Rates .....  | 24  |
| 5.8.3  | Reasons for Non-Response .....       | 25  |
| Appendix A: Final Annotated Survey Questionnaire ..... |                                      | 26  |
| Appendix B: Data Dictionary .....                      |                                      | 46  |
| Appendix C: SAS Formats Library .....                  |                                      | 83  |
| Appendix D: Frequency Tables .....                     |                                      | 88  |
| References .....                                       |                                      | 130 |

---

## LIST OF TABLES

---

|  |    |
|--|----|
| Table 1: Census Regions and Divisions.....                             | 3  |
| Table 2: Number of Telephone Lines per Household.....                  | 8  |
| Table 3: Number of Eligible Household Members.....                     | 9  |
| Table 4: Post-Stratification Cells.....                                | 10 |
| Table 5: Summary of Codes for Missing Values by Data File Format ..... | 23 |
| Table 6: Distribution of Household Cases by Disposition.....           | 24 |

---

## 1. INTRODUCTION AND BACKGROUND

---

The Bureau of Transportation Statistics (BTS) is conducting a series of monthly surveys to monitor expectations of and satisfaction with the transportation system and to gather event, issue, and mode-specific information. The surveys will serve as an information source for the U.S. Department of Transportation (DOT) modal administrators, who can use them to support congressional requests and for internal DOT performance indicators. Overall, the surveys will support the collection of information on a wide range of transportation-related topics.

This report presents the results of the July 2001 Household Survey, the first of the monthly household surveys that will be conducted. Each of these monthly surveys will contain a set of core questions that are based on critical information needs within DOT. In addition, supplemental questions will be included each month that correspond to one of DOT's five strategic goals: safety, mobility, economic growth, human and natural environment, and security. Finally, specific questions posed by the various DOT modes will be included in each survey.

The July 2001 survey collected data between July 07 and July 16. Data were collected from households in the U.S. using a Random-Digit-Dialed telephone methodology. The final completed sample size is 1,004 cases, and the total number of variables in the public-use dataset is 204. The data were collected by M. Davis and Company, under contract with the BTS.

This report provides technical documentation for the July 2001 Household Survey. Its primary goal is to document background information, sampling procedures, data collection, data elements and survey variables, response rates, final weights and standard errors estimation.

This report contains the following information:

- Background of the survey initiative;
- A detailed description of how sample respondents were selected for the survey;
- Information regarding the data collection period, the number of completed interviews, and response rates;
- Information on interviewer training, pre-testing, interviewing methods, household screening methods and methods for call attempts and callbacks;
- Information on the number of cases in the file;
- Guidance on the use of weights for analyses;
- Instructions for calculating standard error estimates;
- The final survey questionnaire;
- A data dictionary that provides the names of survey variables, their codes, labels and the associated response categories;

- An alphabetical index of data elements in the survey dataset;
- A SAS Format Library; and
- Frequency tables.

---

## 2. SAMPLE DESIGN

---

### 2.1 Target Population

The target population is the United States non-institutionalized adult population (18 years of age or older).

### 2.2 Sampling Frame and Selection

To ensure that the monthly Omnibus Survey conducted in July 2001 and thereafter is comparable to past Omnibus Surveys (March, 2001 and earlier) the previous methodology was replicated. The methodology was used to achieve a random sample of non-institutionalized adults 18 years and older in the fifty states of the United States and the District of Columbia. A national probability sample of households using list-assisted random digit dialing (RDD) methodology was employed for the survey. The sample was purchased from GENESYS, a firm that provides sample for numerous government agencies and the private sector. In summary, GENESYS initiated a sample development process by first imposing an implicit stratification on the telephone prefixes using the Census divisions and metropolitan status (See the Census regions and divisions below).

**Table 1: Census Regions and Divisions**

| REGION    | DIVISION         | STATES                             |
|-----------|------------------|------------------------------------|
| Northeast | New England      | CT, ME, MA, NH, RI, VT             |
|           | Middle Atlantic  | NJ, NY, PA                         |
| Midwest   | E. North Central | IN, IL, MI, OH, WS                 |
|           | W. North Central | IA, KS, MN, MO, NE, ND, SD         |
| South     | South Atlantic   | DE, DC, FL, GA, MD, NC, SC, VA, WV |
|           | E. South Central | AL, KY, MS, TN                     |
|           | W. South Central | AR, LA, OK, TX                     |
| West      | Mountain         | AZ, CO, ID, NM, MT, UT, NV, WY     |
|           | Pacific          | AK, CA, HI, OR, WA                 |

Within each Census division, counties and their associated prefix areas located in Metropolitan Statistical Areas (MSA) were sorted by the size of the MSA. Counties and their associated prefix areas within a Census division that are located outside of MSAs were first sorted by state. Within each state, the counties and their associated prefix areas were sorted by geographic location. This implicit stratification ensures that the sample of telephone numbers is geographically representative.

The resulting sample of telephone numbers was address-matched for subsequent mailing of a pre-contact letter to each address.



M. Davis and Company purchased 11,271 telephone numbers for the July, 2001 survey. A total of 6,994 of these numbers were identified as working residential numbers and were divided into 70 replicates. Each replicate contained approximately 100 households. Four of the replicates were used to conduct a pretest and 46 replicates were used for the actual interviewing. Twenty four (24) (includes the four replicates used for the pretest) of the 70 replicates were not utilized in the actual interviewing, resulting in 4567 numbers being released for use by the telephone interviewers.

### **2.2.1 RDD Sample**

To generate the sample the GENESYS System employs list-assisted random digit dialing. List assisted refers to the use of commercial lists of directory-listed telephone numbers to increase the likelihood of dialing household residences. This method gives unlisted telephone numbers the same chance to be selected as directory-listed numbers.

The system utilizes a database consisting of all residential telephone exchanges, working bank information, and various geographic service parameters such as state, county, Primary ZIP code, etc. In addition, the database provides working bank information at the two-digit level -- each of the 100 banks (i.e., first two digits of the four-digit suffix) in each exchange is defined as "working" if it contains one or more listed telephone households. On a National basis, this definition covers an estimated 96.4% of all residential telephone numbers and 99.96% of listed residential numbers. This database is updated on a quarterly basis.

The sample frame consists of the set of all telephone exchanges that meet the geographic criteria. This geographic definition is made using one or more of the geographic codes included in the database. Following specification of the geographic area, the system selects all exchanges and associated working banks that meet those criteria.

Based on the sample frame defined above, the system computes an interval such that the number of intervals is equivalent to the desired number of sample pieces. The interval is computed by dividing the total possible telephone numbers in the sample frame (i.e., # of working banks X 100) by the number of RDD sample pieces required. Within each interval a single random number is generated between 1 and the interval size; the corresponding phone number within the interval is identified and written to an output file.

The result is that every potential telephone number within the defined sample frame has a known and equal probability of selection.

### **2.2.2 ID-PLUS**

This process is designed to purge about 75% of the non-productive numbers (non-working, businesses and fax/modems). Since this process is completed after the sample is generated, the statistical integrity of the sample is maintained.

The Pre-Dialer Phase – The file of generated numbers is passed against the ID database, comprised of the GENESYS-Plus business database and the listed household database. Business numbers are eliminated while listed household numbers are set aside, to be recombined after the active Dialer Phase.

The Dialer Phase – The remaining numbers are then processed using automated dialing equipment – actually a specially configured PROYTYS Telephony system. In this phase, the dialing is 100% attended and the phone is allowed to ring up to two times. Specially trained agents are available to speak to anyone who might answer the phone and the number is dispositioned accordingly. Given this human intervention in evaluating all call results, virtually all remaining businesses, non-working and non-tritone intercepts, compensate for differences in non-working intercept behavior. The testing takes place during the restricted hours of 9 a.m. – 5 p.m. local time, to further minimize intrusion since fewer people are home during these hours.

The Post-Dialer Phase – The sample is then reconstructed, excluding the non-productive numbers identified in the previous two phases.

### 2.2.3 Address Matching

The Donnelley (InfoUSA) listed residential database was used for residential reverse matches (name and address). This file contains approximately 174 million names and addresses, of which 90 million have a phone number. This file is white-page based and has NCOA updates applied to it monthly. Full updates to the file are received 3 times a year as well as monthly ZIP Code replacements. Name and address or address (including ZIP+4's) only, is appended, where available.

## 2.3 Precision of Estimates

The precision of estimated frequencies can be assessed by evaluating the width of the 95 percent confidence interval around the estimates. For this application, the confidence interval can be *approximated* for design purposes as:

$$p_s \pm Z\sqrt{Var(p_s)}$$

Where  $p_s$  is the estimated (sample) proportion;  
 $Z$  is the 5 percent critical value of the normal distribution; and  
 $Var(p_s)$  is the variance of  $p_s$ .

The calculation of the end points of the confidence interval can be re-written as:

$$p_s \pm Z\sqrt{\frac{p_s(1-p_s)}{n}}$$

Or

$$p_s - Z\sqrt{\frac{p_s(1-p_s)}{n}} \leq P \leq p_s + Z\sqrt{\frac{p_s(1-p_s)}{n}}$$

Where  $P$  is the true population value of the proportion; and  
 $n$  is the sample size.

Therefore, with a sample size of 1,004 and  $p_s = 50$  percent, the confidence interval range would be  $47 \leq P \leq 53$ , *approximately*.<sup>1</sup>

---

<sup>1</sup> This method of confidence interval calculation is conservative.

---

### 3. SAMPLING WEIGHTS AND ADJUSTMENTS

---

This section discusses the development of survey weights. Two types of weights were used in the present survey: inverse-probability weights (to correct for unequal selection probabilities) and post-stratification (to correct for known discrepancies between the sample and the population). The final analysis weight reflects both types of adjustments, i.e. adjustment for non-response, multiple telephone lines, and persons-per-household, and post-stratification adjustments. The final analysis weight is the weight that should be used for analyzing the survey data.

The final analysis weight was developed using the following steps:

- Calculation of the base sampling weights;
- Adjustment for unit non-response;
- Adjustment for households with multiple voice telephone numbers;
- Adjustment for selecting an adult within a sampled household; and
- Post-stratification adjustments to the target population.

The product of all the above variables represents the final analysis weight. If needed, extreme values of the final analysis weight can be reduced (or trimmed) using standard weight trimming procedures.

#### 3.1 Base Sampling Weights

The first step in weighting the sample is to calculate the sampling weight for each telephone number in the sample. The sampling rate is the inverse of the telephone number's probability of selection, or:

$$W_s = \frac{N}{n}$$

Where N is the total number of telephone numbers in the population and n is the total number of telephone numbers in the sample. For this survey, the total number of telephone numbers in the sampling frame, N, is 257,144,100. The total number of telephone numbers in the sample (numbers dialed) is 4,405.

#### 3.2 Adjustment for Unit Non-Response

Sampled telephone numbers are classified as responding or non-responding households according to Census division and metropolitan status (inside or outside a Metropolitan Statistical Area). The non-response adjustment factor for all telephone numbers in each Census division (*c*) by metropolitan status (*s*), is calculated as follows:

$$ADJ_{NR} = \frac{1}{CASRO \text{ response rates}}$$

Where the denominator is the CASRO response rate for Census division  $c$  and metropolitan status  $s$ . The non-response adjustment factor for a specific cell (defined by metropolitan status and Census division) is a function of the response rate, which is given by the ratio of the estimated number of telephone households to the number of completed surveys.

The non-response adjusted weight ( $W_{NR}$ ) is the product of the sampling weight ( $W_S$ ) and the non-response adjustment factor ( $ADJ_{NR}$ ) within each Census division / metropolitan status combination.

### 3.3 Adjustment for Households with Multiple Telephone Numbers

Some households have multiple telephone lines for voice communication. Thus, these households have multiple chances of being selected into the sample and adjustments must be made to their survey weights. The adjustment for multiple telephone lines is:

$$ADJ_{MT} = \frac{1}{\text{Min}(Nb \text{ telephone lines}, 3)}$$

As shown in the formula, the adjustment is limited to a maximum factor of three. In other words, the adjustment factor  $ADJ_{MT}$  will be one over two (0.50) if the household has two telephone lines, and one over three (0.33) if it has three *or more*.

The table below provides summary statistics for the number of telephone lines in the monthly sampled households.

**Table 2: Number of Telephone Lines per Household**

|                    | Value |
|--------------------|-------|
| Mean               | 1.22  |
| Standard deviation | 0.58  |
| Minimum            | 1     |
| 25th percentile    | 1     |
| Median             | 1     |
| 75th percentile    | 1     |
| Maximum            | 5     |

For respondents that did not provide this information, it is assumed that the household contained only *one* telephone line. The non-response adjusted weight ( $W_{NR}$ ) is multiplied by the adjustment factor for multiple telephone lines ( $ADJ_{MT}$ ) to create a weight that is adjusted for non-response and for multiple probabilities of selection ( $W_{NRMT}$ ).

### 3.4 Adjustment for Number of Eligible Household Members

The probability of selecting an individual respondent depends upon the number of eligible respondents in the household. Therefore, it is important to account for the total number of eligible household members when constructing the sampling weights. The adjustment for selecting a random adult household member is:

$$ADJ_{RA} = \text{Number of Eligible Household Members}$$

The table below provides summary statistics for the number of eligible members in the monthly sampled households.

**Table 3: Number of Eligible Household Members**

|                    | Value |
|--------------------|-------|
| Mean               | 1.96  |
| Standard deviation | 0.95  |
| Minimum            | 1     |
| 25th percentile    | 1     |
| Median             | 2     |
| 75th percentile    | 2     |
| Maximum            | 15    |

For respondents that did not provide this information, a value for  $ADJ_{RA}$  is imputed according to the distribution of the number of eligible persons in a household (from responding households) within the age, gender, and race/ethnicity cross-classification cell matching that of the respondent for which the value is being imputed.

The weight adjusted for non-response and for multiple probabilities of selection ( $W_{NRMT}$ ) is then multiplied by  $ADJ_{RA}$ , resulting in  $W_{NRMTA}$ , a weight adjusted for non-response, multiple probabilities of selection, and for selecting a random, household member.

### 3.5 Post-Stratification Adjustments

Adjusting weighted survey counts so that they agree with population counts provided by the Census Bureau can compensate for different response rates by demographic subgroups, increase the precision of survey estimates, and reduce the bias present in the estimates resulting from the inclusion of only telephone households. The final adjustment to the survey weight is a post-stratification adjustment that allows the weights to sum to the target population (i.e. U.S. non-institutionalized persons 18 years of age or older) by age, gender and race/ethnicity.

The outcome of post-stratification is a factor or multiplier ( $M$ ) that scales  $W_{NRMTA}$  within each age/gender/race cell, so that the weighted marginal sums for age, gender and race/ethnicity agree with the corresponding Census Bureau distribution for these characteristics. The method used in the post-stratification adjustment is a simple ratio adjustment applied to the sampling weight

using the appropriate national population total for a given cell defined by the intersection of age, gender, and race/ethnicity.<sup>2</sup> The general method for ratio adjusting is:

- A table of the sum of the weights for each cell denoted by each age, gender, and race/ethnicity combination is created. Each cell is denoted by  $S(i,j,k)$ , where  $i$  is the indicator for age,  $j$  is the indicator for gender, and  $k$  is the indicator for race/ethnicity;
- A similar table of national population controls is created, where each cell is denoted by  $P(i,j,k)$ ;
- The ratio  $R(i,j,k) = P(i,j,k) / S(i,j,k)$  is calculated;
- Each weight, at the record level, is multiplied by the appropriate cell ratio of  $R(i,j,k)$  to form the post-stratification adjustment.

Again, cells used in the post-stratification are defined by the combination of age, gender, and race/ethnicity. With two categories for gender, six for age and four for race/ethnicity,<sup>3</sup> a total of 48 (2x6x4) cells can be used. In any month, some race/ethnicity or, preferably, age categories may be merged if the number of completed interviews within the corresponding cells falls below thirty. For this survey, many of the cells had less than thirty observations. After grouping, a total of 19 cells were used for post-stratification. The cells, together with the number of sample observations and the national population estimates from the Census Bureau are shown in the Table below.

**Table 4: Post-Stratification Cells**

| CELL         | DESCRIPTION                                   | SAMPLE SIZE  | POPULATION         |
|--------------|---|--------------|--------------------|
| 1            | Male - Hispanic (Any Race)                    | 27           | 10,167,034         |
| 2            | Male - Non-Hispanic Black                     | 39           | 9,883,467          |
| 3            | Male - Age 18 – 24 - Non-Hispanic White       | 24           | 8,635,241          |
| 4            | Male - Age 25 – 34 - Non-Hispanic White       | 53           | 11,985,017         |
| 5            | Male - Age 35 – 44 - Non-Hispanic White       | 79           | 15,833,339         |
| 6            | Male - Age 45 – 54 - Non-Hispanic White       | 66           | 14,165,493         |
| 7            | Male - Age 55 – 64 - Non-Hispanic White       | 47           | 9,215,914          |
| 8            | Male - Age 65 or older - Non-Hispanic White   | 63           | 11,755,768         |
| 9            | Male - Non-Hispanic Other                     | 32           | 4,146,032          |
| 10           | Female - Hispanic (Any Race)                  | 32           | 10,625,145         |
| 11           | Female - Age 18 – 44 - Non-Hispanic Black     | 31           | 7,307,267          |
| 12           | Female - Age 45 or older - Non-Hispanic Black | 30           | 5,144,462          |
| 13           | Female - Age 18 – 24 - Non-Hispanic White     | 31           | 8,531,226          |
| 14           | Female - Age 25 – 34 - Non-Hispanic White     | 73           | 12,373,489         |
| 15           | Female - Age 35 – 44 - Non-Hispanic White     | 74           | 16,061,583         |
| 16           | Female - Age 45 – 54 - Non-Hispanic White     | 72           | 14,513,973         |
| 17           | Female - Age 55 – 64 - Non-Hispanic White     | 68           | 9,837,412          |
| 18           | Female - Age 65 or older - Non-Hispanic White | 102          | 15,762,147         |
| 19           | Female - Non-Hispanic Other                   | 41           | 4,762,691          |
| N/A          | Missing Demographic Information               | 20           | N/A                |
| <b>TOTAL</b> |   | <b>1,004</b> | <b>200,706,700</b> |

<sup>2</sup> The Census Bureau provides a detailed breakdown of population count by age, gender and race/ethnicity.

<sup>3</sup> The four race/ethnicity categories used for post-stratification purposes are: Hispanic (any race), Non-Hispanic Black, Non-Hispanic White, and Non-Hispanic Other.

Those respondents who did not supply the demographic information necessary to categorize their age, gender and/or race/ethnicity are excluded from the post-stratification process and assigned a value of 1 for  $M$ .

The multiplier  $M$  is then applied to  $W_{NRMTRA}$  to create  $W_{NRMTRAPS}$ . However,  $W_{NRMTRAPS}$  is overstated because a portion of the sample is not included in the calculation of the post-stratification adjustment. Therefore, a deflation factor is applied to the value of  $W_{NRMTRAPS}$ . This deflation factor denotes the proportion of the target population represented by respondents with non-missing demographic information. The scaled value of  $W_{NRMTRAPS}$  is  $W_{FINAL}$ , the final analysis weight.  $W_{FINAL}$  can be viewed as the number of population members that each respondent represents.

### 3.6 Trimming of Final Analysis Weights

Extreme values of  $W_{FINAL}$  are trimmed to avoid over-inflation of the sampling variance. In short, the trimming process limits the relative contribution of the variance associated with the  $k^{th}$  unit to the overall variance of the weighted estimate by comparing the square of each weight to a threshold value determined as a multiple of the sum of the squared weights. Letting  $w_1, w_2, \dots, w_n$ , denote the final analysis weights for the  $n$  completed interviews, the threshold value is calculated using the following formula:

$$Threshold = \left( 10 \sum_{j=1}^n w_j^2 / n \right)^{\frac{1}{2}}$$

Each household having a final analysis weight that exceeds the determined threshold value is assigned a trimmed weight equal to the threshold. Next, the age/gender/race cell used in the post-stratification is identified for each household with a trimmed weight. To maintain the overall weighted sum within the cell, the trimmed portions of the original weights are reassigned to the cases whose weights are unchanged in the trimming process. For cases having trimmed weights but missing age, gender, and/or race/ethnicity information, the trimmed portions of the original weights are assigned to all remaining cases whose weights are unchanged in the trimming process.

The entire trimming procedure is repeated on the new set of weights: a new threshold value is recalculated and the new extreme values are re-adjusted. The process is repeated until no new extreme values are found.



---

## 4. VARIANCE ESTIMATION

---

The data collected in the Omnibus Household Survey was obtained through a complex sample design involving stratification, and the final weights were subject to several adjustments. Any variance estimation methodology must involve some simplifying assumptions about the design and weighting. Some simplified conceptual design structures are provided in this section.

### 4.1 Variance Estimation Methodology

The software package SUDAAN® (Software for the Statistical Analysis of Correlated Data) Version 7.5.6 was used for computing standard errors.

#### 4.1.1 Software

SUDAAN® is a statistical software package developed by Research Triangle Institute to analyze data from complex sample surveys. SUDAAN® uses advanced statistical techniques to produce robust variance estimates under various survey design options. The software, in particular, can handle stratification and the numerous adjustments associated with inverse-probability weights.

#### 4.1.2 Methods

Overall, three variables, CENDIV (Census Division), METRO (metropolitan status), and FNLWGT (final analysis weights), are needed for variance estimation in SUDAAN®. The method used in the present survey utilizes the variables CENDIV and METRO to create 18 (9x2) strata, a single stage selection with replacement procedure, and the final analysis weights. This method provides somewhat conservative standard error estimates.

Assuming a simplified sample design structure, the following SUDAAN® statements can be used (note that the data file first must be sorted by the variables CENDIV and METRO before using it in SUDAAN®):

```
PROC ... DESIGN = STRWR;  
NEST CENDIV METRO;  
WEIGHT FNLWGT;
```

More precisely, the following code is used to produce un-weighted and weighted frequency counts, percentages and standard errors (the variable of interest here is "var1," a categorical variable with seven levels):

```
PROC CROSSTAB DATA = datafile DESIGN=STRWR;  
WEIGHT FNLWGT;  
NEST CENDIV METRO;  
SUBGROUP var1;  
LEVELS 7;  
TABLE var1;  
PRINT nsum wsum totper setot / STYLE=nchs;  
RUN;
```

When sampling weights are post-stratified, the variance of an estimate is reduced since the totals are known without sampling variation.<sup>4</sup> Using SUDAAN® without any modifications produces standard errors of estimates that do not reflect this reduction in variance. The estimates of the standard errors can be improved by using SUDAAN® post-stratification option (POSTVAR and POSTWGT). This option reflects the reduction in variance due to adjustment to control totals in one dimension. However, this approach still does not reflect the full effect of post-stratification, as the other post-stratification dimensions are ignored.<sup>5</sup>

## 4.2 Degrees of Freedom and Precision

A typically used rule-of-thumb for degrees of freedom associated with a standard error is the quantity: number of un-weighted records in the dataset *minus* number of strata. The rule-of-thumb degrees of freedom for the method above will fluctuate from month to month depending upon the number of records in each monthly dataset. Most monthly dataset will yield degrees of freedom of around 1000.

For practical purposes, any degrees of freedom exceeding 120 is treated as infinite, i.e., if one uses a normal Z-statistic instead of a t-statistic for testing. Note, that a one-tailed critical t at 120 degrees of freedom is 1.98 while at an infinite degrees of freedom (a 0.025 z-value) is 1.96. If a variable of interest covers most of the sample strata, this limiting value probably will be adequate for analysis.

---

<sup>4</sup> For a discussion of the impact of poststratification on the variance of survey estimates see, in particular, "Sampling and Weighting in the National Assessment", Keith F. Rust and Eugene G. Johnson, *Journal of Educational Statistics*, 17(2): 111-129, Summer 1992.

<sup>5</sup> For a presentation of SUDAAN®'s handling of poststratification adjustments see "1999 Variance Estimation," *National Survey of America's Families Methodology Report*, 1999 Methodology Series, Report No. 4, prepared by J.M. Brick, P. Broene, D. Ferraro, T. Hankins, C. Rauch and T. Strickler, November 2000.

---

## **5. DATA COLLECTION PLAN**

---

### **5.1 Expert Panel**

The following panelists participated in the review of the July 2001 draft survey questionnaire: James Beckworth, Morris Davis, Barbara Everett, Ed Heiden and Tom Hillegass.

Panelists were sent a copy of the July 2001 draft survey on May 24, 2001. Additionally, a link to the BTS website was sent to panelists to provide information about the purpose and history of the Omnibus Household Survey Program. Panelists were instructed to prioritize their comments about the draft survey. On May 29<sup>th</sup> a conference call was conducted among the panelists to identify problems and issues, reach consensus, where possible, on the most significant problems and associated recommendations. The discussion and associated recommendations were summarized and distributed to the panelists to review for accuracy. Edits and modifications were then incorporated into the document and distributed to the panelists.

### **5.2 Cognitive Interviews**

A total of twenty (20) cognitive interviews are to be conducted each month. Twenty-five (25) cognitive interviews were conducted for the July 2001 draft survey questionnaire on Tuesday, May 29<sup>th</sup> at the Cherry Hill, NJ mall. The interviewing was conducted between 12:00 p.m. and 7:30 p.m. to broaden the distribution of participants that could participate. Recruiters intercepted individuals in the mall and screened based on race, gender, age and income to ensure the ending sample of respondents were reflective of the United States population regarding the aforementioned characteristics. They were also screened for no personal experience and/or close relationship with someone working in any of the sensitive occupations (transit agency, market research, advertising or public relations) and their non-participation in any survey initiative in the past six (6) months. Respondents were paid \$10 for their participation in the cognitive interview.

Respondents who agreed to participate were escorted to an interviewing facility in the mall and were administered the cognitive interview by MDAC personnel. Interviewers were required to compile results from their interviews and develop a summary of noteworthy issues and any suggested solutions by the end of the next day.

### **5.3 Data Collection Schedule**

The survey was conducted over a ten-day period, from Saturday, July 7<sup>th</sup> through Monday, July 16<sup>th</sup>.

### **5.4 Interview Procedures**

The following outlines the key phases of the interviewing procedures utilized in the survey.

#### **5.4.1 Pre-Testing**

A Pre-Test was conducted prior to the initiation of actual calling. The Pre-Test was used to replicate the data collection process and identify any problem areas related to the process, the

survey instrument in total, specific questions, answer choices, questionnaire instructions or question format. It was also used to test the interview length.

Telephone supervisors conducted a total of 25 pre-test interviews (Wats Room - 17 interviews, and MDAC - 8 interviews) of the draft survey instrument. All problematic questions, issues and recommendations resulting from the pre-test were included in the list of problematic issues.

#### **5.4.2 Interviewer Training**

All new interviewers initially completed a generic two-day (approximately 12 hours) classroom training on general interviewing skills. Additionally, each month all interviewers will complete approximately four to six hours of classroom training on specific aspects of the Omnibus Household Survey. In response to normal interviewer turnover and/or increased staffing needs, all interviewers new to the project will receive the full complement of training prior to beginning their interviewing for this study.

An outline of the generic two-day training is below. This generic training included these topics as well as Asking questions as worded (Verbatim Reading and Recording), use of bold type on the screen, use of light type on the screen, use of ALL CAPS on the screen (Maneuvering through CfMC: Start Interviewing, Meaning/Significance of font style (e.g., bold) and text effects (e.g., all caps)). Also, interviewers were provided with a list of Frequently Asked Questions so they were ready to counter a respondent's attempt to refuse to participate in the study.

#### **I. ORIENTATION**

Introduction to M. Davis and Company, Inc.

Welcome

MDAC Way

Organizational Chart

Your Job Description/Responsibilities

Policies and Procedures

#### **II. TRAINING**

\*\*\*Includes Excerpts from the Market Research Association (MRA) Training Manual

##### **A. Introduction to the Marketing and Opinion Research Industry**

What is marketing and opinion research?

Types of interviews

Techniques used in data collection

Survey settings

Overview of the marketing and opinion research process

Key Terms

##### **B. The Interviewer's Role**

Appropriate Attitude

Characteristics of a successful interviewer

Recruiting Respondents  
The “Art” of Interviewing  
Key Terms

C. Respondents

Relating to Respondents  
“Training” Respondents  
Building and Maintaining Rapport  
“Active Listening”  
Callback Scenarios and Procedures  
Terminations

D. Questions and Answers Plus Other Topics

The One Unbreakable Rule  
Types of Questions  
The Interviewing Process  
Paperwork  
Quality Assurance  
Dos and Don’ts  
Conducting the Interview  
Editing the Interview  
Monitoring (includes Quotas)  
Validation

E. Bias, Probing and Clarifying

Introduction  
Good Feedback  
Bad Feedback  
Avoid Bias  
Verbatim Reading and Recording  
Open-end Questions and Probing  
Additional Section, “Bias, Probing and Clarifying”

F. Objections and Refusal Conversion

Nine Most Common Objections and Reasons for Refusal  
Acknowledgement of the Objection  
Soft Refusal Conversion

G. Getting Familiar With The Computer

Mouse  
Keyboard  
Logging On

H. Maneuvering through CfMC

Keyboard Commands  
Introduction to CfMC Phone System

Starting the Interviewing  
Interviewing with SURVENT  
Responding to Different Question Types  
SURVENT Commands  
More About CfMC  
Role Playing

#### I. Open Discussion

Additional questions

Each survey month, a questionnaire update training is conducted to discuss the questionnaire changes. An updated interviewer training manual specific to the new month is developed and distributed to the interviewers. An outline of the approximately four-to-six hour training includes:

- A review of last month's results;
- Feedback from interviewers, supervisors;
- Problems and issues emerging from last month's data collection;
- An Overview of changed sections from last month (Sections B, S and M);
- Question-by-Question Training for New Sections.

In addition to the initial (generic) training and monthly refresher (survey-specific) training, interviewer re-training is conducted on an "as-needed" basis--that is, as interviewers are replaced or the survey instrument changes. Also, interviewers are evaluated and retrained as needed for improvement or changes in work habits as identified by our monitoring and editing control procedures.

On a monthly basis MDAC reviews the new questionnaire for changes, incorporates any changes approved by BTS emanating from the Expert Panel Review, the Cognitive Interviews and the Pretest. MDAC re-issues a new manual to each interviewer with the changes.

#### **5.4.3 Pre-Contact Letter**

Eight (8) calendar days prior to the start of data collection a BTS-approved pre-contact letter is sent to sample numbers with an address. The intent is for each household with an address to receive the pre-contact letter several days before they receive a call to conduct the interview. An "800" number is listed in each letter with the specific times to call (M-F, 9:00 am – 11:00 pm EST; Sat and Sun, 1:00 pm to 9:00 pm EST). The letters are categorized by call center and each call center's "800" number. Should the respondent call outside the times listed above they will receive a phone message asking them to leave their name and number and someone will contact them as soon as possible to conduct the interview.

The toll free number is also mentioned at the seventh attempt in messages left for potential respondents that have an answering machine in cases where we are unable to make contact with

a member of the household. Additionally, after the seventh callback we leave our 1-800 number to arrange for interviewing appointments.

The toll free number is not left before the seventh attempt in messages due to concern that people might avoid the call or feel “harassed” if they were away for a few days and find four to six messages on their answering machine upon returning home. Given that a household with an answering machine is called two to three times per day during the Omnibus Household Survey there must be a balance between perceived harassment and encouraging participation, particularly given the limited duration of fielding.

A study of telephone practices published in January 2000 by the Council for Marketing and Opinion Research (CMOR) found no conclusive data showing that leaving a message on an answering machine for a respondent is effective. This study states that only 17% of the telephone centers surveyed left a message on the answering machine. Of the call centers which did leave a message 75% left an 800 number, 71% left a message on the first call and 62% left a message on subsequent calls.

Given the short time frame for data collection, the potential perception of harassment and prior research results, MDAC believes the best approach is to leave the toll free 800 number for the first time at the seventh call.

#### **5.4.4 Call Attempts and Callbacks**

The interviews are conducted using CfMC computer assisted telephone interviewing software. At a minimum, one thousand (1,000) interviews are completed each month. The interviewing is distributed between two call facilities, the Wats Room and MDAC.

The Wats Room has two shifts from Monday through Friday (9a.m – 4: 30pm and 5p.m. – Midnight), a shift from 9a.m. until Midnight on Saturday and a shift from 10am until Midnight on Sunday. MDAC has three shifts on Monday through Friday (9 am - 2 pm, 2 pm – 6 pm and 6 pm – 12 midnight) and two shifts on Saturdays (11am – 4 pm and 4 pm – 9 pm) and Sundays (1 pm – 5 pm and 5 pm – 9 pm). Monday through Friday, 9 am to 2 pm, only callbacks (scheduled and non-scheduled) are initiated at both the Wats Room and at MDAC due to historically documented significantly lower completion rates during this time period. In addition, calls after 9pm local time are for scheduled callbacks only. No non-scheduled callbacks are conducted after 9pm local time.

Initially, 3,200 numbers are sent to the call centers. This ensures that a minimum 30% response rate is achieved if all numbers released are in scope. We are defining “in scope” to mean numbers where contact has been achieved and eligibility determined. Sample is added based upon past calling history, the quantity of numbers determined to be ineligible, and projection of completes based upon past and current experience, number of callbacks achieved and refusal conversion rates.

The first two months of calling and sample management will be conservative. Two months of experience will help facilitate intelligent decisions regarding appropriate actions/protocols to increase the response rate.

When a phone number is called initially, the interviewer determines that it is a household. Then the interviewer requests to speak with an adult 18 years of age or older (if the person on the phone is not an adult). Once an adult is on the line, then the interviewer randomly selects the actual survey respondent by asking for the adult in the household who had a birthday most recently. When the adult with the most recent birthday comes onto the phone line the interviewer conducts the survey. Should the interviewer not be able to complete the survey the following dispositions are recorded:

**Do-Not-Call** dispositions are for households that request their number not be called in the future. This disposition ensures compliance with the respondent's request.

**Refusals** are defined as when a person refuses to participate in the survey at all. Someone who breaks off the interview or refuses because s/he doesn't have time or says s/he is busy is considered a callback. Refusals are routed to supervisors and selected interviewers capable of converting refusals into completions or other disposition. Interviewers experiencing a refusal enter the appropriate refusal code. Supervisors review refusals the next day and assign the refusal numbers to the appropriate personnel to initiate callbacks with a refusal script. Refusal households are called twice a day, once during the time period contact was initially made and one other time period. The refusal callback is rotated between the morning and late afternoon time periods from Monday through Friday.

Callbacks are scheduled and prioritized by the CfMC software. The callbacks are prioritized based upon the following criteria: first priority--scheduled callback to qualified household member; second priority--scheduled callback to "qualify" household (includes contact with Spanish language barrier households); third priority--callback to make initial contact with household (includes answering machine, busy, ring no answer); and fourth priority--callbacks that are the seventh or higher attempts to schedule interview.

An interview is considered "complete" only if all questions are answered. A refusal to answer an individual question meets the definition of and count as an "answered" question.

Should the interviewer not be able to complete the interview the following procedures will be followed:

**Scheduled callbacks** can be dialed at anytime during calling hours and as frequently as requested by the callback household up to seven times. Callback attempts in excess of seven are at the discretion of the interviewer based upon his/her perception of the likelihood of completing the interview. The basis of the interviewer's perception, in part, is determined by how vigorously the interviewer is being encouraged to call back to complete the interview by the potential respondent or another member of the household. The interviewer then confers with a supervisor and a final determination is made as to if the interviewer continues calling.

**Callbacks to Spanish language barrier households** are conducted by Spanish-speaking interviewers. Interviewer's that identify a household as Spanish speaking alerts supervisor a Spanish speaking interviewer is needed to handle phone call. If Spanish interviewer is not available, the interviewer will inform respondent someone will call back, then record as CBS



(Callback Spanish). If person is not available within the next hour a callback will be scheduled, if possible.

Those records identified as Spanish will be routed to a Spanish speaking interviewer. - HIGH PRIORITY - Spanish Interviewer makes call and follows standard protocol for all English calls.

**Callbacks for initial contact** with potential respondents are distributed across the various calling time periods and weekday/weekend to ensure that a callback is initiated during each time period each day. Two (Saturday and Sunday) to three (Monday through Friday) callbacks per number are initiated per day assuming the number retains a callback status during the calling. There are up to twenty (20) callback attempts. This protocol is designed for ring no answer and answering machines. When an interviewer reaches a household with an answering machine during the seventh, fourteenth or twentieth time calling the interviewer leaves a message with the respective appropriate 800 number.

Callbacks to numbers with a **busy signal** are scheduled every 30 minutes until the household is reached, disposition is modified, maximum callbacks are achieved or the study is completed.

#### **5.4.5 Disposition Codes**

The following are the disposition codes used for each call outcome:

##### **Out-of-Scope Numbers:**

- BG – Business (The number dialed is a non-residential phone number. The call is terminated and the number resolved.)
- CF – Computer/Fax (The number dialed has led to a modem, fax, pager, or cell phone.)
- DS – Disconnected number (The number dialed is disconnected. The call is terminated and the number resolved.)
- NC – Number change (The call yielded a recording that the number was changed, with or without a change in the area code.)
- NQ - No one 18 years old or older in household
- UNB – Unavailable before and during study period

##### **Scope Undetermined:**

- NA – No answer (The phone is not answered within 5 rings.)
- BZ – Busy (busy signal)
- AM – Answering machine (The call has led to an answering machine or voicemail.)
- CCC – Cannot complete call (The message “Your call cannot be completed at this time” is received. This is a message provided by the local telephone company when there is a line problem in the local area. These calls are dialed on another day.)
- PM – Privacy manager (Privacy manager is a feature provided by local telephone companies that requires incoming callers to identify themselves, before the household will accept the call.)
- NQL - Eligibility undetermined because of language problems or deafness
- RFI - Refused to speak with interviewer (screening incomplete) If the respondent refuses to speak with interviewer prior to answering F0250 (screening incomplete) and, if asked, F0200 responded “no”

- HRI - Requests their name be removed from calling list or if the respondent refuses to speak with interviewer for second time prior to answering F0250 (screening incomplete) and, if asked, F0200 responded “no”
- OD - The maximum number of call attempts is reached before being able to determine eligibility

#### **In-Scope Numbers:**

- YES – Yes (Respondent has agreed to be screened and is eligible, 18 years old or older.)
- CB – Callback (The respondent has asked that we call them back at another time.)
- CBS – Callback Spanish
- DL – Deaf/Language (The respondent is eligible but is hard of hearing, or cannot speak English fluently to complete the interview.)
- RFQ - Respondent refusal (Respondent refuses after establishing there is a qualified household member by answering F0350 or a later appearing question, or after answering F0200 “yes”.)
- UN - Unavailable (Was available when study began or unable to determine.)
- DR – Respondent deceased prior to completion of interview
- AC - The area code is changed but not the number
- CP - Is a completed interview
- HRQ - Requests their name be removed from calling list or respondent refusal for second time after establishing there is a qualified household member by answering F0350 or a later appearing question, or after answering F0200 "yes"

#### **5.4.6 Household Screening**

Qualified respondents are at least 18 years of age or older and must be the household member with the most recent birthday. If the household member is not available at the time of the call a callback is scheduled to screen and/or interview the respondent.

#### **5.4.7 Interviewing Methods**

Incentives were not offered to potential respondents in exchange for their participation in the survey. Surveys were conducted in both English and Spanish. If the potential respondent refuses to be interviewed the reason for refusal is recorded. The average length of the interview was 10 to 12 minutes and an additional 3 to 5 minutes to screen and recruit potential respondents.

Generally, interviewers introduced themselves, who they worked for, the purpose of the survey, and assured the potential respondent this was not a sales call. Interviewer then determined whether there was an eligible person in the household. Once contact was made with the eligible household member the interviewer they reintroduced themselves when necessary, explained the purpose of the survey, that it is a voluntary study, indicates the survey takes only 15 minutes, indicated all information would remain confidential and they can refuse to answer any question.

If the potential respondent agrees to participate the interviewer provides the respondent an opportunity to ask any questions, addresses their questions and the interview is conducted. However, if it is not a convenient time then a callback is scheduled.

## **5.5 Data Quality Control Procedures**

A key component to successful data quality control procedures is a well-trained and experienced interview staff. All potential interviewers underwent intensive training and orientation regardless of their level of experience prior to being hired for this project. New hires were first screened on their voice quality, dictation, and their ability to administer a simple test questionnaire.

Our interviewer training for administering telephone surveys included:

- Orientation on the purpose and importance of marketing research, company policies, and quality standards including viewing Market Research Association (MRA) training videotapes;
- Testing on material developed by the Market Research Association;
- Background and purposes of the survey;
- Procedure for selection of correct respondent for the interview;
- Intensive hands-on training on the "basics" of interviewing itself- the handling of skip patterns, probing and clarify techniques, sample administration, Computer Assisted Telephone Interviewing (CATI), overcoming refusals, etc.;
- Observing and listening to experienced interviewers conducting actual interviews during which each trainee's performance is closely monitored and evaluated under actual interviewing conditions;
- Constant reference on the importance of accuracy, quality and courtesy; and
- Successful completion of a total of approximately eight hours of training during the different sessions.

### **5.5.1 Interviewer Performance**

Ongoing monitoring of every interviewer is undertaken throughout the BTS Omnibus Survey. Fifteen (15%) to twenty (20%) percent of all calls are monitored. An interviewer evaluation form is completed for each monitored contact with a household. Additionally, the evaluation forms includes two to three evaluations of a completed interview per hour. The evaluation forms are paper hard copy forms and are available for review by BTS at the offices of M. Davis and Company, Inc. in Philadelphia.

### **5.5.2 Other Procedures**

The initial two days of interviews by each interviewer are checked to identify any problems administering the survey. The objective is to identify problems, if any, correct the errors and take action so that the problems do not reappear. Before beginning the second day of work all interviewers are alerted to their problems, if any, and the interviewers review how to ensure the problem does not recur. Interviews that were completed during the second day are checked to see that the first day's errors are not repeated. If errors were repeated and dependent upon the significance of the error, the interviewer is retrained and/or removed from the project for that month of calling.

Newer interviewers are monitored at a higher rate regardless of their level of experience until their first performance evaluation. Additionally, validation is performed on 10% - 20% of each

interviewer's work through actual callbacks to respondents to verify responses to key questions. The validation is initiated on the first day of interviewing to ensure early detection of problems and to avoid a backlog of validation calls. Validations are performed for both new and experienced interviewers.

## 5.6 Summary of Data Cleaning

On a daily basis, the data file is checked as a standard to maintain quality. The CfMC utility called SCAN, allows for checking the data, to be sure that all questions are being asked in accordance with the skip patterns on the final questionnaire. The file is also checked for missing codes.

This survey contains “other specify” questions. These questions allow the interviewer to record text responses that do not appear on the pre-listed set of responses. “Other specify” responses are edited to determine if responses entered in “other specify” appear on the pre-listed set of responses. Upon review of the “other specify” responses, it may be necessary to “code-back” a response to the pre-list. This occurs when an interviewer recorded a response as “other”, although one of the pre-listed responses matched the “other” response.

## 5.7 Treatment of Missing Values

As with any survey, the BTS Household Survey, by design, contains questions that are not asked to certain respondents based on their response(s) to other questions. In addition, there will always be some respondents who do not know the answer to or chose not to answer some items in the survey. Each of these responses can have a different meaning to the data user. While each of these response categories is important in characterizing the results of the survey, they are often removed from certain analyses, particularly those involving percentages. Therefore, the categories were given standard codes for easy identification. The table below presents the response categories and how they are represented in each data file.

**Table 5: Summary of Codes for Missing Values by Data File Format**

| Response Category | Dataset Formats      |                        |                    |                         |
|-------------------|----------------------|------------------------|--------------------|-------------------------|
|                   | SAS ®<br>Version 7.0 | SAS ®<br>Transportable | Microsoft<br>Excel | Text Comma<br>Delimited |
| Appropriate skip  | .S                   | .S                     | -7                 | -7                      |
| Refused           | .R                   | .R                     | -8                 | -8                      |
| Don't know        | .D                   | .D                     | -9                 | -9                      |

## 5.8 Response Rates

The procedures for response rate calculation are based on the guidelines established by the Council of American Survey Research Organizations (CASRO) in defining a response rate.

### 5.8.1 Number of Completed Interviews

A total of 1,004 interviews were completed during the survey period.

### 5.8.2 Calculation of Response Rates

The final response rate for the survey is obtained using the following formula:

$$\text{Response Rate} = \frac{\text{Completed HH Interviews}}{\left\{ \text{HHs In Scope} + \left[ \text{Scope Undetermined} * \frac{\text{HHs In Scope}}{\text{HHs In \& Out of Scope}} \right] \right\}}$$

The table below presents the distribution of household telephone numbers by disposition categories. The number of household cases in each category was then used in the above formula to calculate an overall response rate of approximately 38 percent.

**Table 6: Distribution of Household Cases by Disposition**

| Disposition Category  | Number of Households |
|---|----------------------|
| <b>Telephone Numbers Released</b>                                       | <b>4,567</b>         |
| <b>Telephone Numbers Dialed</b>   | <b>4,405</b>         |
| <b>Out-of-Scope Numbers (Ineligible)</b>                                | <b>995</b>           |
| BG - Business   | 295                  |
| CF - Computer/Fax   | 175                  |
| DS - Disconnected number  | 449                  |
| NC - Number change  | 36                   |
| NQ - No one 18 years old or older in household                          | 13                   |
| UNB - Unavailable before and during study period                        | 27                   |
| <b>Scope Undetermined</b>   | <b>1,889</b>         |
| NA - No answer  | 768                  |
| BZ - Busy   | 4                    |
| AM - Answering machine  | 389                  |
| CCC - Cannot complete call  | 72                   |
| PM - Privacy manager  | 58                   |
| NQL - Eligibility undetermined because of language problems or deafness | 23                   |
| RFI - Refused to speak with interviewer (screening incomplete)          | 54                   |
| HRI - Requested name be removed from calling list                       | 359                  |
| OD - Maximum call attempts reached                                      | 162                  |
| <b>In Scope Numbers</b>   | <b>1,521</b>         |
| Complete  | 1,004                |
| Partial Complete  | 14                   |
| CB - Callback   | 232                  |
| CBS - Callback Spanish  | 56                   |
| DL - Deaf/Language  | 47                   |
| RFQ - Respondent refusal  | 3                    |
| UN - Unavailable  | 79                   |
| DR - Respondent deceased prior to completion of interview               | 0                    |

| Disposition Category                              | Number of Households |
|---|----------------------|
| AC - The area code is changed but not the number  | 0                    |
| HRQ - Requested name be removed from calling list | 86                   |
| <b>CASRO Response Rate</b>                        | <b>37.7%</b>         |

For the Omnibus survey the following is undertaken to maximize the response rate:

1. Matching sample telephone numbers against commercial file against residential directory-listed numbers.
2. Advance letter stating clearly the aims, objectives and importance of the survey, with toll free number to callback. MDAC will collaborate with BTS to create a BTS approved advance letter.
3. Coordination of the mailing of advance letters with the interview calling.
4. Develop answers for the questions and objections that may arise during the interview.
5. Leaving message on answering machine with a toll free number.
6. Having multi-lingual interviewers to reduce language barriers.
7. Elimination of non-residential numbers from sample.
8. Callbacks of respondents who initially refused or broke-off interview.
9. Minimizing turnover of key and non-key personnel.

### 5.8.3 Reasons for Non-Response

As with any survey, the BTS Household Survey, by design, contains questions that ask respondents to supply the demographic information necessary to categorize their age, gender, and/or education. There will always be some respondents who do not choose to answer some items in the survey. For respondents that did not want to provide this information, the most common reasons for non-responses are: *I don't like giving my age, I would rather not say, I don't like to be labeled, and that is personal information.*

Common reasons for non-responses when asked questions regarding contacts they may have had with any government agencies and/or why they contacted the agencies are: *I don't want to say because I don't trust the government, I don't want to answer because I have an issue pending, and I would rather not say.*

---

## APPENDIX A: FINAL ANNOTATED SURVEY QUESTIONNAIRE

---

**Note: This version contains all changes agreed to by BTS and MDAC from the in-house testing, field pre-testing, and interviewer training. This paper version should exactly match what is fielded for data collection in July 2001, and serves as the “template” questionnaire for future months.**

Professional interviewers administer this questionnaire using computer-assisted telephone interviewing (CATI). In addition to the answer categories displayed for each question, the interviewer has the option to enter “don’t know” or “refused” but these categories are not displayed on-screen.

The questionnaire consists of eight sections: an introduction section, followed by six “subject d an interviewer close-out section:

| Section | Topics  | Periodicity   |
|---------|---|---|
| F       | Introduction and Respondent Selection Questions | Identical series each month   |
| G       | General Transportation Core Questions           | Identical series each month   |
| B       | BTS Topical Transportation Questions            | Change each month to address topical issues.<br>This month: <b>commuting, gas prices</b>  |
| SS      | Strategic Goal Questions                        | Rotate three times per year by goal area.<br><b>Bold type</b> denotes area addressed this month:<br><br><b>Month 1 - Safety (SS)</b><br>Month 2 - Mobility (SM)<br>Month 3 - Environment (SE)<br>Month 4 - National Security (SN) |
| T       | USDOT Services Satisfaction Questions           | Identical series each month   |
| M       | Operating Administration Modal Questions        | Change each month   |
| D       | Demographic Questions                           | Identical series each month   |
| I       | Interviewer Close Out Questions                 | Identical series each month   |

Formatting conventions for this document:

- **Question/answer text in boldface type** displays verbatim text to read to respondent. Within such text, words or phrases enclosed in brackets [ ], such as in Question G0050, will change depending upon time frames or respondent responses to previous items. Words or phrases enclosed in parentheses ( ), such as in Question F0050, are optional and should be read to respondent as part of the question only when needed.
- Answer text in regular type is not read aloud to respondent. Instead, the interviewer will wait for response and categorize it into one of the listed categories.

- TEXT IN ALL CAPS displays on-screen instructions to the interviewer or questions that the interviewer answers.
- *Text in italics* provides CATI system instructions or options, such as skips or fills.



## Section F - INTRODUCTION AND RESPONDENT SELECTION

*CATI system will generate and dial telephone number. When someone answers, interviewer begins.*

F0050. **Hello, my name is \_\_\_\_\_ and I'm calling on behalf of the United States Department of Transportation about an important national study on transportation issues. (This is not a sales call.)**

**I have a few questions to ask you. Have I reached [telephone number]?**

- 1) Yes
- 2) No - **Sorry, I must have dialed incorrectly. Goodbye.**

TERMINATE CALL

F0100. **Is this phone for a home, a business, or both?**

- 1) Home - *go to F0200*
- 2) Business
- 3) Both home and business - *go to F0200*

F0150. **Sorry, I'm trying to reach a residence. Goodbye.**

TERMINATE CALL

F0200. **Are you a household member who is at least 18 years old?**

- 1) Yes - *go to F0350*
- 2) No

F0250. **May I please speak to a household member who is at least 18 years old?**

- 1) Yes - *go to F0350*
- 2) No

F0300. **When would be a good time to call back to speak with someone who is at least 18 years old?**

SCHEDULE CALL BACK

F0350. REPEAT F0050 (OMITTING "HAVE I REACHED [TELEPHONE NUMBER]?") IF NECESSARY (e.g., INTERVIEWER IS SPEAKING WITH A NEW PERSON AT THIS POINT). THEN SAY...

**I need to talk with the person living there now, aged 18 years or older, who had a birthday most recently. What is the first name of that person?**

Name \_\_\_\_\_ TYPE IN PERSON'S FIRST NAME.

F0400. **May I please speak with [insert name]?**

- 1) Yes
- 2) No - *go to F0500*

F0450. REPEAT F0050 IF NECESSARY. THEN SAY...

**This voluntary study will take about 15 minutes and is authorized by Title 49, Section 111c2 of the United States Code. I will ask about types of transportation used and your opinions about issues such as transportation safety. Your answers will be kept completely confidential. There are no penalties for refusing to answer any question, so if we come to one that you don't want to answer, I will skip it. Do you have any questions before we begin?**

- 1) Yes - *go to F0550*
- 2) No - *go to F0600*

F0500. **When would be a good time to call back to speak to [insert name]?**

SCHEDULE CALL BACK

F0550. ADDRESS QUESTIONS OR USE REFUSAL CONVERSION TECHNIQUES IS RESPONDENT WILLING TO CONTINUE?

- 1) Yes
- 2) No - THANK RESPONDENT AND TERMINATE

PRESS "ENTER" TO CONTINUE

F0600. **Fine, then let's get started. For quality purposes, my supervisor may monitor this call.**

ENTER "1" TO PROCEED, OR ENTER "2" TO SCHEDULE CALL BACK

- 1) Proceed - *go to G0050*
- 2) SCHEDULE CALL BACK

## Section G - General Transportation Core Questions

G0050. First I need to identify all the kinds of transportation you used either for personal or for business travel last month.

REPEAT AS NECESSARY:

During [last month], did you:

Yes    No

|       |   |   |   |
|-------|---|---|---|
| G0100 | Drive a <u>personal vehicle</u> ? (such as a car, van, SUV, pickup truck, RV)   | 1 | 2 |
| G0150 | Drive or ride in an <u>organized carpool or vanpool</u> ?   | 1 | 2 |
| G0200 | Ride on a city-to-city <u>bus</u> ? (such as Greyhound)   | 1 | 2 |
| G0250 | Ride a city-to-city <u>train</u> ? (such as AMTRAK)   | 1 | 2 |
| G0300 | Ride on any <u>public transit</u> within city or metropolitan area? (such as a bus, train, subway, light rail, commuter bus or rail from suburb to city)  | 1 | 2 |
| G0350 | Fly on a <u>commercial airplane</u> ?   | 1 | 2 |
| G0400 | Fly on a <u>charter, private, or corporate airplane</u> ?   | 1 | 2 |
| G0450 | Drive a <u>motorcycle</u> , including a motorized scooter or motorized bicycle?   | 1 | 2 |
| G0500 | Ride a <u>bicycle</u> ?   | 1 | 2 |
| G0550 | <u>Walk, run, or jog</u> at least one time outside for 10 minutes or more? (such as to a store or park)   | 1 | 2 |
| G0600 | Ride on a <u>commercial boat, ship, or ferry</u> ? (Please exclude cruise ships)  | 1 | 2 |
| G0650 | Drive a <u>personal watercraft</u> such as a jetski or skidoo?  | 1 | 2 |
| G0700 | Drive a <u>recreational boat</u> such as a sailboat, motorboat, or yacht?   | 1 | 2 |
| G0750 | Use <u>any other means of transportation</u> ? (for example a taxi, limousine, charter or tour bus, hotel or airport shuttle)<br>BEFORE CODING, ENSURE THAT ANSWER CANNOT BE INCLUDED IN ONE OF THE OTHER CATEGORIES) | 1 | 2 |

Ask question G0800 if G0300 = 2. Otherwise, go to next skip instruction.

G0800. You said you did not use public transit last month. Please tell me the main reason you did not use it. (CODE THE FIRST REASON GIVEN. IF

RESPONSE IS "I DON'T KNOW", "I DON'T LIKE IT," OR "I DON'T NEED IT" PROBE FOR A SPECIFIC REASON)(DO NOT READ LIST)

- 1) Prefer my own vehicle
- 2) I am retired/not working/not in school
- 3) Need to make multiple stops to/from work/school
- 4) No public transit available in the local area
- 5) Don't understand/know routes and schedules
- 6) Not convenient (doesn't go where I need to)
- 7) Not flexible (doesn't go when I need to)
- 8) Takes too much time
- 9) Distance from home to stops is too great
- 10) Uncomfortable riding with strangers
- 11) Costs too much
- 12) Unreliable
- 13) Unsafe
- 14) Other - SPECIFY \_\_\_\_\_

*Ask all applicable questions between G0850-G1255 for each type of transportation used before proceeding to next type used. The sequence of questions to be asked follows:*

*Ask G0850 for each type of transportation G0100-G0750=1.*

*For G0200, G0250, G0300, G0350, or G0400 = 1, proceed to ask G0900 for each.*

*For G0500=1, proceed to ask G0950, G1000 and G1050.*

*For G0550=1, proceed to ask G1100, G1150, and G1200.*

*For G0650=1, proceed to ask G1250.*

*For G0700=1, proceed to ask G1255.*

G0850. **You said you used a [transportation type] last month. Altogether, would you say that you did this on approximately: (READ LIST)(RECORD ONLY ONE)**

- 1) 1-2 days,
- 2) 3-10 days,
- 3) 11-19 days, or
- 4) 20 days or more?

*Ask G0900 only for each type of transportation where G0200-G0400=1.*

G0900. **And of these days, on how many were you away from home on travel for your business or your job? RECORD NUMBER**  
\_\_\_\_\_ days

*If G0500 (bicycle) = 1, ask G0950-G1050. Otherwise, go to next transportation type used.*

G0950. **Primarily for what purpose did you use it? (DO NOT READ LIST)(RECORD ONLY ONE)**

- 1) Commuting to work or school,
- 2) Recreation,
- 3) Exercise,
- 4) Personal errands, (to the store, post office, and so on)
- 5) Some other purpose - SPECIFY \_\_\_\_\_

G1000.        **And on a typical day, about how much time did you spend bicycling?**  
                  \_\_\_\_\_ hours and \_\_\_\_\_ minutes

*CATI system must ensure an entry for both hours and minutes.*

G1050.        **Did you bicycle mostly on: (READ LIST) (RECORD ONLY ONE)**

- 1)        **Paved roads,**
- 2)        **Shoulders of paved roads,**
- 3)        **Bike lanes on roads,**
- 4)        **Sidewalks,**
- 5)        **Bike paths,**
- 6)        **Unpaved roads (for example dirt, gravel, sand),**
- 7)        **Grass, or**
- 8)        **Other - SPECIFY \_\_\_\_\_**

*If G0550 (walk...) = 1, ask G1100-G1200. Otherwise, go to next transportation type used.*

G1100.        **Primarily for what purpose did you walk, run, or jog? (DO NOT READ LIST)(RECORD ONLY ONE)**

- 1)        **Commuting to work or school,**
- 2)        **Recreation,**
- 3)        **Exercise,**
- 4)        **Personal errands, (to the store, post office, and so on)**
- 5)        **Some other purpose - SPECIFY \_\_\_\_\_**

G1150.        **And on a typical day, about how much time did you spend walking, running, or jogging?**

                  \_\_\_\_\_ hours and \_\_\_\_\_ minutes

*CATI system must ensure entry for both hours and minutes*

G1200.        **Did you walk, run, or jog mostly on: (READ LIST) (RECORD ONLY ONE)**

- 1)        **Paved roads,**
- 2)        **Shoulders of paved roads,**
- 3)        **Bike lanes on roads,**
- 4)        **Sidewalks,**
- 5)        **Bike paths,**
- 6)        **Unpaved roads (for example dirt, gravel, sand),**
- 7)        **Grass, or**
- 8)        **Other - SPECIFY \_\_\_\_\_**

*If G0650 (personal watercraft)=1, ask G1250. Otherwise, go to next transportation type used.*

G1250.        **Altogether, about how much time did you spend using personal watercraft last month?**

                  \_\_\_\_\_ hours and \_\_\_\_\_ minutes

*If G0700 (recreational boat) = 1, ask G1255.*

Otherwise, go to G1300.

G1255. **Altogether, about how much time did you spend boating last month?**  
\_\_\_\_\_ hours and \_\_\_\_\_ minutes

G1300. **Now I need to ask about transportation-related crashes you may have experienced over the past year.**

PRESS "ENTER" TO CONTINUE

G1350. **Have you been in any kind of transportation-related crashes since [month, 13 months ago]?**

- 1) Yes
- 2) No - *skip to next section.*

G1400. **How many crashes? (RECORD NUMBER)**  
\_\_\_\_\_ crashes

G1450. **Thinking about [this / the most recent] crash, what kind of transportation were you using? (DO NOT READ LIST)(RECORD ONLY ONE)**

- 1) Personal vehicle (example: car, van, SUV, pickup truck, RV)
- 2) Organized carpool or vanpool
- 3) City-to-city bus (example: Greyhound)
- 4) City-to-city train (example: AMTRAK)
- 5) Public transit within city or metropolitan area (example: bus, train, subway, light rail, commuter bus or rail from suburb to city)
- 6) Commercial airplane
- 7) Charter, private or corporate airplane
- 8) Motorcycle, including motorized scooter or motorized bicycle
- 9) Bicycle
- 10) Walking, running, or jogging
- 11) Commercial boat, ship or ferry
- 12) Personal watercraft (example: jetski or skidoo)
- 13) Recreational boat (example: sailboat, motorboat, yacht)
- 14) Skates, skateboards, scooters without engines
- 15) Other - Specify \_\_\_\_\_

G1500. **In [this / the most recent] crash, what injuries did you sustain?**

**PROBE: Anything else?**

(DO NOT READ LIST)(RECORD ALL THAT APPLY)

- 1) None - skip to next section.
- 2) Cuts, abrasions
- 3) Muscle pull, strain, sprain
- 4) Broken bones
- 5) Neck injury
- 6) Back injury

- 7) Concussion or head injury
- 8) Damage to internal organs
- 9) Other - SPECIFY \_\_\_\_\_

## Section B - BTS Topical Transportation Questions

B0050.        **The next questions are about commuting.**

PRESS "ENTER" TO CONTINUE

B0100.        **Do you currently commute, that is, travel routinely from home to work or to school? (EXCLUDE TELECOMMUTING)**

- 1)        Yes
- 2)        No - *skip to B0600*

B0150.        **Altogether, about how many days do you commute in a month? (DO NOT READ LIST)**

- 1)        29-31 days/month
- 2)        22-28 days/month
- 3)        15-21 days/month
- 4)        8-14 days/month
- 5)        1-7 days/month

B0200.        **Do you commute from home to work, to school, or both?**

- 1)        To work - skip to B0300
- 2)        To school - skip to B0450
- 3)        Both to work and to school - go to B0250

B0250.        **Which statement best describes your most frequent commuting route: (READ LIST)(RECORD ONLY ONE)**

- 1)        **You go to work and to school on different days,**
- 2)        **You go to work, then directly to school**
- 3)        **You go to work, then home, then to school,**
- 4)        **You go to school, then directly to work**
- 5)        **You go to school, then home, then to work, or**
- 6)        **Something else - Specify \_\_\_\_\_**

B0300.        **To get to work, what are all the types of transportation you use?**

**PROBE: Anything else?**

(DO NOT READ LIST)(RECORD ALL THAT APPLY)

- 1)        Personal vehicle (example: car, van, SUV, pickup truck, RV)
- 2)        Organized carpool or vanpool
- 3)        City-to-city bus (example: Greyhound)
- 4)        City-to-city train (example: AMTRAK)
- 5)        Public transit within city or metropolitan area (example: bus, train, subway, light rail, commuter bus or rail from suburb to city)
- 6)        Commercial airplane
- 7)        Charter, private or corporate airplane
- 8)        Motorcycle, including motorized scooter or motorized bicycle
- 9)        Bicycle



- 10) Walking, running, or jogging
- 11) Commercial boat, ship or ferry
- 12) Other - Specify \_\_\_\_\_

**B0350. How much time does the door-to-door trip to work usually take, one way?**  
 IF RESPONDENT USED MORE THAN ONE TYPE OF TRANSPORTATION, OBTAIN THE TIME FOR THE ENTIRE TRIP. IF TRANSPORTATION TYPE DIFFERS BY DAY, RECORD THE USUAL TRIP TIME FOR THE TRIP TYPE THAT OCCURS MOST FREQUENTLY.

\_\_\_\_\_ hours and \_\_\_\_\_ minutes

*CATI system must ensure entry for both hours and minutes*

*If B0200=1, skip to B0600.*

**B0450. To get to school, what are all the types of transportation you use?**

**PROBE: Anything else?**

(DO NOT READ LIST)(RECORD ALL THAT APPLY)

- 1) Personal vehicle (example: car, van, SUV, pickup truck, RV)
- 2) Organized carpool or vanpool
- 3) City-to-city bus (example: Greyhound)
- 4) City-to-city train (example: AMTRAK)
- 5) Public transit within city or metropolitan area (example: bus, train, subway, light rail, commuter bus or rail from suburb to city)
- 6) Commercial airplane
- 7) Charter, private or corporate airplane
- 8) Motorcycle, including motorized scooter or motorized bicycle
- 9) Bicycle
- 10) Walking, running, or jogging
- 11) Commercial boat, ship or ferry
- 12) Other - Specify \_\_\_\_\_

**B0500. How much time does the door-to-door trip to school usually take, one way?**

\_\_\_\_\_ hours and \_\_\_\_\_ minutes

IF RESPONDENT USED MORE THAN ONE TYPE OF TRANSPORTATION, OBTAIN THE TIME FOR THE ENTIRE TRIP.

*CATI system must ensure entry for both hours and minutes*

**B0600. Now I have a couple of questions about how gasoline prices may have affected you during the past few months.**

PRESS "ENTER" TO PROCEED.

**B0650. Have you made any changes in your transportation use since [month, 6 months ago] because of gas prices?**

- 1) Yes
- 2) No - skip to next section.

B0700. **What changes have you made?**

**PROBE: Anything else?**

(DO NOT READ LIST)(RECORD ALL THAT APPLY)

- 1) Drive less frequently
- 2) Use public transit more
- 3) Walk more
- 4) Bicycle more
- 5) Combine local errand trips
- 6) Change travel plans (reduced number of trips, selected closer destination, etc.)
- 7) Cancel vacation travel plans
- 8) Increase vehicle maintenance (tire air pressure, tune-ups)
- 9) Comparison-shop for best prices on gasoline
- 10) Change to lower octane gas
- 11) Drive or purchase more fuel-efficient vehicle
- 12) Other - SPECIFY \_\_\_\_\_

## Section SS - Strategic Goal Questions

SS0050. Now I want to ask your opinion on some safety-related transportation issues.

PRESS "ENTER" TO PROCEED.

SS0100. Using a scale from 1 to 5 where "1" means to no extent, "2" means to a little, "3" means to some, "4" means to a great extent, and "5" means to a very great extent, please tell me to what extent you are concerned about your personal safety while traveling due to... (READ LIST) (IF NECESSARY, SAY "YOU CAN USE ANY NUMBER FROM 1 TO 5)

No A Little Some A Great A Very Great N/A  
Extent

|        |   |   |   |   |   |   |   |
|--------|---|---|---|---|---|---|---|
| SS0150 | Drivers, pilots, or train operators who might be impaired by alcohol or drugs     | 1 | 2 | 3 | 4 | 5 | 6 |
| SS0200 | Aggressive behavior by others, such as road rage or air rage                      | 1 | 2 | 3 | 4 | 5 | 6 |
| SS0250 | The possible failure of mechanical equipment on cars, buses, trains, or airplanes | 1 | 2 | 3 | 4 | 5 | 6 |
| SS0300 | The transport of hazardous materials on trucks, trains, or airplanes              | 1 | 2 | 3 | 4 | 5 | 6 |
| SS0350 | Crime at rest stops, rail stations, bus terminals, or airports                    | 1 | 2 | 3 | 4 | 5 | 6 |

## Section T - US Department of Transportation Services Satisfaction Questions

T0050.        **The next questions are about contacts you may have had with government agencies over the past year.**

PRESS "ENTER" TO CONTINUE

T0100.        **Have you contacted the government about any subject related to transportation since [month, 13 months ago]?**

- 1)     Yes
- 2)     No - *skip to next section.*
- 3)     Don't remember - *skip to next section.*

T0150.        **Thinking back to your most recent contact, primarily why did you contact the government? (DO NOT READ LIST)(RECORD ONLY ONE)**

- 1)     Obtain information (for example, auto crash test/rollover results, recalls, airline on-time performance, rail safety statistics)
- 2)     Lodge a complaint
- 3)     Report a problem, violation, or accident
- 4)     Order/obtain a product (driver's permit, license tags, applications)
- 5)     Apply for/inquire about employment
- 6)     Other - SPECIFY \_\_\_\_\_

T0200.        **How did you contact the agency? Anything else? (DO NOT READ LIST)(RECORD ALL THAT APPLY)**

- 1)     Telephone, including a hotline
- 2)     Internet/world-wide web, e-mail
- 3)     (Regular) mail
- 4)     In person
- 5)     Other - SPECIFY \_\_\_\_\_

T0250.        **What was the name of the agency you contacted? (DO NOT READ LIST)(RECORD ONLY ONE)**

Federal Agency:

- 1)     Bureau of Transportation Statistics (BTS)
- 2)     Congress (United States Senate or House of Representatives)
- 3)     Federal Aviation Administration (FAA)
- 4)     Federal Railroad Administration (FRA)
- 5)     Federal Motor Carrier Safety Administration (FMCSA)
- 6)     Federal Transit Administration (FTA)
- 7)     Federal Highway Administration (FHWA)
- 8)     Maritime Administration (MARAD)
- 9)     National Highway Traffic Safety Administration (NHTSA)
- 10)    Research and Special Programs Administration (RSPA)
- 11)    Secretary of the US Department of Transportation (OST)

INCLUDE IN THIS CATEGORY RESPONSES OF NORMAN MINETA,  
AVIATION CONSUMER PROTECTION DIVISION, OR SIMILAR  
RESPONSES FOR OST DIVISIONS

- 12) St. Lawrence Seaway Development Corporation
- 13) United States Coast Guard

State or Local Agency:

- 14) State Department of Motor Vehicles (DMV, MVA)
- 15) City, County, Township or Parish Government office
- 16) County or Local Police, Sheriff
- 17) Public Transit Agency
- 18) State Department of Transportation (State DOT)
- 19) State Legislature (State Senate, Delegates, Representatives)
- 20) State Police, State Patrol, Highway Patrol
- 21) Some Other Agency - Specify \_\_\_\_\_
- 22) Don't know/don't remember

*If T0250=14-21, skip to next section.*

T0300. **Using the same scale from 1-5 as before, where “1” means to no extent and “5” means to a very great extent, in thinking about your contact with [agency from T0250] please tell me... (IF NECESSARY, SAY “YOU CAN USE ANY NUMBER FROM 1 TO 5)**

|       |  | No     | A Little | Some | Great    | Very Great | Don't |
|-------|--|--------|----------|------|----------|------------|-------|
|       |  | Extent |          |      | Remember |            |       |
| T0350 | <b>To what extent was it easy for you to locate the right source for the information or services you needed?</b> | 1      | 2        | 3    | 4        | 5          | 6     |
| T0400 | <b>To what extent were the service providers courteous and professional?</b>                                     | 1      | 2        | 3    | 4        | 5          | 6     |
| T0450 | <b>To what extent was the response timely?</b>   | 1      | 2        | 3    | 4        | 5          | 6     |
| T0500 | <b>Overall, to what extent were you satisfied with the service you received?</b>                                 | 1      | 2        | 3    | 4        | 5          | 6     |

## Section M - Operating Administration Modal Questions

M0050.        **The next questions are of interest to specific agencies within the United States Department of Transportation.**

PRESS "ENTER" TO CONTINUE

MCG0100.    **Are you aware of the kinds of services the Coast Guard provides?**

- 1)    Yes
- 2)    No - *skip to MNH0200.*

MCG0150.    **What kinds of services are you aware of?**

**PROBE: Anything else?**

(DO NOT READ LIST) (RECORD ALL THAT APPLY)

- 1)    Boating safety (e.g., recreational boats and commercial vessels)
- 2)    Icebreaking (polar and domestic)
- 3)    Law enforcement (e.g., drug and undocumented migrant interdiction)
- 4)    Marine environmental protection (e.g., Oil Pollution Response)
- 5)    Navigation aids and information (e.g., Infoline at 1-800-368-5647)
- 6)    Search and rescue
- 7)    Other - SPECIFY \_\_\_\_\_

MNH0200.    **Now I want to ask your opinion about safety equipment in vehicles. Using the same scale as before, where "1" means to no extent and "5" means to a very great extent, to what extent do you agree that...**

No   A   Little   Some   A   Great   A   Very   Great   N/A  
Extent

|         |   |   |   |   |   |   |   |
|---------|---|---|---|---|---|---|---|
| MNH0250 | In order to increase seat belt usage, vehicles should be equipped with reminder lights or audible signals, that periodically display or sound while the vehicle is in motion, to remind occupants that they are not wearing their seat belts. | 1 | 2 | 3 | 4 | 5 | 6 |
| MNH0300 | An indicator light in your vehicle that warns the driver about under-inflation in any of the vehicles' tires would allow you to be less concerned with routinely maintaining the recommended tire pressure.                                   | 1 | 2 | 3 | 4 | 5 | 6 |

## Section D - Demographic Questions

D0050. **This final section asks questions which will be used only for statistical summary purposes. No identifying information about you or your household will ever be released or published.**

PRESS "ENTER" TO CONTINUE.

D0100. **Do you currently have a disability or health condition that limits your use of transportation?**

- 1) Yes
- 2) No - *skip to D0250.*

D0150. **What kinds of transportation cause problems for you?**

**PROBE: Anything else?**

(DO NOT READ LIST) (RECORD ALL THAT APPLY)

- 1) Personal vehicle (example: car, van, SUV, pickup truck, RV)
- 2) Organized carpool or vanpool
- 3) City-to-city bus (example: Greyhound)
- 4) City-to-city train (example: AMTRAK)
- 5) Public transit within city or metropolitan area (example: bus, train, subway, light rail, commuter bus or rail from suburb to city)
- 6) Commercial airplane
- 7) Charter, private or corporate airplane
- 8) Motorcycle, including motorized scooter or motorized bicycle
- 9) Bicycle
- 10) Walking, running, or jogging
- 11) Commercial boat, ship or ferry
- 12) Other - Specify \_\_\_\_\_

***If D0150=3,4,5, or 6, ask D0200. Otherwise, skip to D0250.***

D0200. **What problems do you experience?**

**PROBE: Anything else?**

(DO NOT READ LIST)(RECORD ALL THAT APPLY)

- 1) Difficulty/inability to get to transportation stop/station
- 2) Transportation not equipped to accommodate condition
- 3) Transportation operators not trained to accommodate condition
- 4) Crowded conditions on transportation
- 5) Other - SPECIFY \_\_\_\_\_

D0250. **Including yourself, how many people aged 18 or older live in your household? RECORD NUMBER**

\_\_\_\_\_ people

- D0300. **Please stop me when I reach the category that includes your age:** (READ LIST UNTIL RESPONDENT STOPS YOU TO SELECT A CATEGORY)
- 1) **18 to 24 years**
  - 2) **25 to 34**
  - 3) **35 to 44**
  - 4) **45 to 54**
  - 5) **55 to 64**
  - 6) **65 to 74**
  - 7) **75 or older**
- D0350. (RECORD GENDER; ASK ONLY IF NECESSARY). **Are you male or female?**
- 1) Male
  - 2) Female
- D0400. **Is the group that best describes you...** (READ ENTIRE LIST. READ PARENTHESES ONLY IF RESPONDENT ASKS FOR CLARIFICATION.) (RECORD ALL THAT APPLY)
- 1) **American Indian (Native American) or Alaska Native,**
  - 2) **Asian (e.g., Chinese, Filipino, Japanese, Korean, Vietnamese),**
  - 3) **Black or African-American,**
  - 4) **Hispanic or Latino,**
  - 5) **Native Hawaiian or other Pacific Islander (e.g., Samoan or Chamorro),**
  - 6) **White (Caucasian, Anglo), or**
  - 7) **Other-SPECIFY \_\_\_\_\_**
- D0450. **What is the highest level of education you've completed?** (DO NOT READ LIST)(RECORD ONLY ONE)
- 1) Less than high school graduate
  - 2) High school graduate (or GED)
  - 3) Some college (or technical vocational school/professional business school)
  - 4) Two-year college degree (AA: Associate in Arts)
  - 5) Four-year college degree (BA or BS: Bachelor of Arts or Science degree)
  - 6) Graduate degree (Masters, PhD., Lawyer, Medical Doctor)
- D0500. **Please stop me when I reach the category that includes your household's total annual income for last calendar year (that is, 2000):** (READ LIST UNTIL RESPONDENT STOPS YOU TO SELECT A CATEGORY. READ PARENTHESES ONLY IF RESPONDENT HAS QUESTIONS ON UPPER CATEGORY)(RECORD ONLY ONE)
- 1) **Under \$15,000**
  - 2) **From \$15,000 to \$29,000 (\$29,999)**
  - 3) **From \$30,000 to \$49,000 (\$49,999)**
  - 4) **From \$50,000 to \$74,000 (\$74,999)**
  - 5) **From \$75,000 to \$99,000 (\$99,999)**
  - 6) **\$100,000 or more**



D0550.       **Not including the telephone line you're using right now, are there any other lines in your household? Please do not count cellular phones, or phone lines that are only for computer or fax use.**

- 1)       Yes
- 2)       No - *skip to D0800*

D0700.       **How many additional lines do you have? (DO NOT READ LIST)**

- 1)       One
- 2)       Two
- 3)       Three
- 4)       Four or more

D0750.       **Is the primary use of the additional line(s) for household use, business use, or both?**

- 1)       Household use only
- 2)       Business use only
- 3)       Both household and business use

D0800.       **Finally, in order to classify your household for statistical purposes, what is your ZIP code? RECORD NUMBER**

— — — — —

D0850.       **This concludes the study questions. Thank you for your time. Goodbye.**

PRESS "ENTER" TO END INTERVIEW.

## Section I - Interviewer Close Out Questions

I0050. THESE QUESTIONS ARE ANSWERED BY THE INTERVIEWER AFTER THE RESPONDENT HANGS UP.

HOW WELL DID THE RESPONDENT UNDERSTAND THE QUESTIONS?

- 1) Not at all
- 2) Not very well
- 3) Well
- 4) Very well

I0100. HOW COOPERATIVE WAS THE RESPONDENT IN ANSWERING THE QUESTIONS?

- 1) Not at all cooperative
- 2) Not very cooperative
- 3) Cooperative
- 4) Very cooperative

I0150. IN WHAT LANGUAGE WAS THE INTERVIEW CONDUCTED?

- 1) English
- 2) Spanish
- 3) Both English and Spanish
- 4) Other - SPECIFY \_\_\_\_\_

I0200. PLEASE NOTE ANYTHING ELSE YOU FEEL IS HELPFUL OR IMPORTANT ABOUT THIS INTERVIEW.

\_\_\_\_\_ Text of response

- 99) No notes to add

## APPENDIX B: DATA DICTIONARY

| Question Code | Variable Name | Variable Label             | Response Category | Response Category Description | Type | Length | Format    |
|---------------|---------------|----------------------------|-------------------|-------------------------------|------|--------|-----------|
|               | CASEID        | Case Identification Number |                   |                               | Char | 8      | \$TEXTVAR |
|               | STATE         | State                      |                   |                               | Char | 8      | \$TEXTVAR |
|               |               |                            |                   |                               |      |        |           |
|               | METRO         | Metro Inside Outside       | 1                 | Inside an MSA                 | Num  | 8      | METROIN   |
|               |               |                            | 2                 | Outside an MSA                |      |        |           |
|               |               |                            |                   |                               |      |        |           |
|               | CREGION       | Census Region              | 1                 | Northeast                     | Num  | 8      | CENSREG   |
|               |               |                            | 2                 | Midwest                       |      |        |           |
|               |               |                            | 3                 | South                         |      |        |           |
|               |               |                            | 4                 | West                          |      |        |           |
|               |               |                            |                   |                               |      |        |           |
|               | CENDIV        | Census Division            | 1                 | New England                   | Num  | 8      | CENSDIV   |
|               |               |                            | 2                 | Middle Atlantic               |      |        |           |
|               |               |                            | 3                 | East North Central            |      |        |           |
|               |               |                            | 4                 | West North Central            |      |        |           |
|               |               |                            | 5                 | South Atlantic                |      |        |           |
|               |               |                            | 6                 | East South Central            |      |        |           |
|               |               |                            | 7                 | West South Central            |      |        |           |
|               |               |                            | 8                 | Mountain                      |      |        |           |
|               |               |                            | 9                 | Pacific                       |      |        |           |
|               |               |                            |                   |                               |      |        |           |
|               | DVERSION      | Database Version           |                   | Year - Quarter                | Char | 8      | \$TEXTVAR |
|               |               |                            |                   |                               |      |        |           |
|               | STARTIM       | Interview Start Time       |                   |                               | Char | 8      | \$TEXTVAR |
|               | ENDTIME       | Interview End Time         |                   |                               | Char | 8      | \$TEXTVAR |
|               | INLNGTH       | Interview Length           |                   |                               | Num  | 8      | BEST      |
|               |               |                            |                   |                               |      |        |           |
|               | TIMEZONE      | Time Zone                  | E                 | Eastern Time                  | Num  | 8      | \$TZONE   |
|               |               |                            | P                 | Pacific Time                  |      |        |           |

| Question Code | Variable Name | Variable Label            | Response Category | Response Category Description | Type | Length | Format |
|---------------|---------------|---------------------------|-------------------|-------------------------------|------|--------|--------|
|               |               |                           | M                 | Moutain Time                  |      |        |        |
|               |               |                           | C                 | Central Time                  |      |        |        |
|               |               |                           |                   |                               |      |        |        |
| G0100         | G0100         | Use - Personal Vehicle    | 1                 | Yes                           | Num  | 8      | YESNO  |
|               |               |                           | 2                 | No                            |      |        |        |
|               |               |                           | .d                | Don't know                    |      |        |        |
|               |               |                           | .r                | Refused                       |      |        |        |
|               |               |                           |                   |                               |      |        |        |
| G0150         | G0150         | Use - Carpool/Vanpool     | 1                 | Yes                           | Num  | 8      | YESNO  |
|               |               |                           | 2                 | No                            |      |        |        |
|               |               |                           | .d                | Don't know                    |      |        |        |
|               |               |                           | .r                | Refused                       |      |        |        |
|               |               |                           |                   |                               |      |        |        |
| G0200         | G0200         | Use - Bus                 | 1                 | Yes                           | Num  | 8      | YESNO  |
|               |               |                           | 2                 | No                            |      |        |        |
|               |               |                           | .d                | Don't know                    |      |        |        |
|               |               |                           | .r                | Refused                       |      |        |        |
|               |               |                           |                   |                               |      |        |        |
| G0250         | G0250         | Use - Train               | 1                 | Yes                           | Num  | 8      | YESNO  |
|               |               |                           | 2                 | No                            |      |        |        |
|               |               |                           | .d                | Don't know                    |      |        |        |
|               |               |                           | .r                | Refused                       |      |        |        |
|               |               |                           |                   |                               |      |        |        |
| G0300         | G0300         | Use - Public Transit      | 1                 | Yes                           | Num  | 8      | YESNO  |
|               |               |                           | 2                 | No                            |      |        |        |
|               |               |                           | .d                | Don't know                    |      |        |        |
|               |               |                           | .r                | Refused                       |      |        |        |
|               |               |                           |                   |                               |      |        |        |
| G0350         | G0350         | Use - Commercial Airplane | 1                 | Yes                           | Num  | 8      | YESNO  |
|               |               |                           | 2                 | No                            |      |        |        |
|               |               |                           | .d                | Don't know                    |      |        |        |
|               |               |                           | .r                | Refused                       |      |        |        |
|               |               |                           |                   |                               |      |        |        |
| G0400         | G0400         | Use - Other Airplane      | 1                 | Yes                           | Num  | 8      | YESNO  |

| Question Code | Variable Name | Variable Label          | Response Category | Response Category Description | Type | Length | Format |
|---------------|---------------|-------------------------|-------------------|-------------------------------|------|--------|--------|
|               |               |                         | 2                 | No                            |      |        |        |
|               |               |                         | .d                | Don't know                    |      |        |        |
|               |               |                         | .r                | Refused                       |      |        |        |
|               |               |                         |                   |                               |      |        |        |
| G0450         | G0450         | Use - Motorcycle        | 1                 | Yes                           | Num  | 8      | YESNO  |
|               |               |                         | 2                 | No                            |      |        |        |
|               |               |                         | .d                | Don't know                    |      |        |        |
|               |               |                         | .r                | Refused                       |      |        |        |
|               |               |                         |                   |                               |      |        |        |
| G0500         | G0500         | Use - Bicycle           | 1                 | Yes                           | Num  | 8      | YESNO  |
|               |               |                         | 2                 | No                            |      |        |        |
|               |               |                         | .d                | Don't know                    |      |        |        |
|               |               |                         | .r                | Refused                       |      |        |        |
|               |               |                         |                   |                               |      |        |        |
| G0550         | G0550         | Use - Walk              | 1                 | Yes                           | Num  | 8      | YESNO  |
|               |               |                         | 2                 | No                            |      |        |        |
|               |               |                         | .d                | Don't know                    |      |        |        |
|               |               |                         | .r                | Refused                       |      |        |        |
|               |               |                         |                   |                               |      |        |        |
| G0600         | G0600         | Use - Commercial Boat   | 1                 | Yes                           | Num  | 8      | YESNO  |
|               |               |                         | 2                 | No                            |      |        |        |
|               |               |                         | .d                | Don't know                    |      |        |        |
|               |               |                         | .r                | Refused                       |      |        |        |
|               |               |                         |                   |                               |      |        |        |
| G0650         | G0650         | Use - Watercraft        | 1                 | Yes                           | Num  | 8      | YESNO  |
|               |               |                         | 2                 | No                            |      |        |        |
|               |               |                         | .d                | Don't know                    |      |        |        |
|               |               |                         | .r                | Refused                       |      |        |        |
|               |               |                         |                   |                               |      |        |        |
| G0700         | G0700         | Use - Recreational Boat | 1                 | Yes                           | Num  | 8      | YESNO  |
|               |               |                         | 2                 | No                            |      |        |        |
|               |               |                         | .d                | Don't know                    |      |        |        |
|               |               |                         | .r                | Refused                       |      |        |        |
|               |               |                         |                   |                               |      |        |        |

| Question Code | Variable Name | Variable Label                              | Response Category | Response Category Description                        | Type | Length | Format    |
|---------------|---------------|---|-------------------|--|------|--------|-----------|
| G0750         | G0750         | Use - Other Means of Transportation         | 1                 | Yes  | Num  | 8      | YESNO     |
|               |               |   | 2                 | No   |      |        |           |
|               |               |   | .d                | Don't know   |      |        |           |
|               |               |   | .r                | Refused  |      |        |           |
|               |               |   |                   |  |      |        |           |
| G0800         | G0800A        | Public Transit - Reason for Not Using       | 1                 | Prefer my own vehicle                                | Num  | 8      | NOPTWHY   |
|               |               |   | 2                 | I am retired/not working/not in school               |      |        |           |
|               |               |   | 3                 | Need to make multiple stops to/from work/school      |      |        |           |
|               |               |   | 4                 | No public transportation available in the local area |      |        |           |
|               |               |   | 5                 | Don't understand/know routes and schedules           |      |        |           |
|               |               |   | 6                 | Not convenient (doesn't go where I need to)          |      |        |           |
|               |               |   | 7                 | Not flexible (doesn't go when I need to)             |      |        |           |
|               |               |   | 8                 | Takes too much time                                  |      |        |           |
|               |               |   | 9                 | Distance from home to stops is too great             |      |        |           |
|               |               |   | 10                | Uncomfortable riding with strangers                  |      |        |           |
|               |               |   | 11                | Costs too much                                       |      |        |           |
|               |               |   | 12                | Unreliable   |      |        |           |
|               |               |   | 13                | Unsafe   |      |        |           |
|               |               |   | 14                | Other  |      |        |           |
|               |               |   | .d                | Don't know   |      |        |           |
|               |               |   | .r                | Refused  |      |        |           |
|               |               |   | .s                | Appropriate skip                                     |      |        |           |
|               |               |   |                   |  |      |        |           |
| G0800         | G0800B        | Public Transit - Other Reason for Not Using | Text              | Verbatim response                                    | Char | 8      | \$TEXTVAR |
|               |               |   | .s                | Appropriate skip                                     |      |        |           |
|               |               |   |                   |  |      |        |           |
| G0850         | G0850A        | Personal Vehicle - Days                     | 1                 | 1-2 days   | Num  | 8      | DAYSUSE   |
|               |               |   | 2                 | 3-10 days  |      |        |           |
|               |               |   | 3                 | 11-19 days   |      |        |           |
|               |               |   | 4                 | 20 days or more                                      |      |        |           |
|               |               |   | .d                | Don't know   |      |        |           |
|               |               |   | .r                | Refused  |      |        |           |
|               |               |   | .s                | Appropriate skip                                     |      |        |           |
|               |               |   |                   |  |      |        |           |

| Question Code | Variable Name | Variable Label          | Response Category | Response Category Description | Type | Length | Format  |
|---------------|---------------|-------------------------|-------------------|-------------------------------|------|--------|---------|
| G0850         | G0850B        | Carpool/Vanpool - Days  | 1                 | 1-2 days                      | Num  | 8      | DAYSUSE |
|               |               |                         | 2                 | 3-10 days                     |      |        |         |
|               |               |                         | 3                 | 11-19 days                    |      |        |         |
|               |               |                         | 4                 | 20 days or more               |      |        |         |
|               |               |                         | .d                | Don't know                    |      |        |         |
|               |               |                         | .r                | Refused                       |      |        |         |
|               |               |                         | .s                | Appropriate skip              |      |        |         |
|               |               |                         |                   |                               |      |        |         |
| G0850         | G0850C        | Bus - Days              | 1                 | 1-2 days                      | Num  | 8      | DAYSUSE |
|               |               |                         | 2                 | 3-10 days                     |      |        |         |
|               |               |                         | 3                 | 11-19 days                    |      |        |         |
|               |               |                         | 4                 | 20 days or more               |      |        |         |
|               |               |                         | .d                | Don't know                    |      |        |         |
|               |               |                         | .r                | Refused                       |      |        |         |
|               |               |                         | .s                | Appropriate skip              |      |        |         |
|               |               |                         |                   |                               |      |        |         |
| G0900         | G0900A        | Bus - Days - Business   |                   | _____ days                    | Num  | 8      | BEST    |
|               |               |                         | .d                | Don't know                    |      |        |         |
|               |               |                         | .r                | Refused                       |      |        |         |
|               |               |                         | .s                | Appropriate skip              |      |        |         |
|               |               |                         |                   |                               |      |        |         |
| G0850         | G0850D        | Train - Days            | 1                 | 1-2 days                      | Num  | 8      | DAYSUSE |
|               |               |                         | 2                 | 3-10 days                     |      |        |         |
|               |               |                         | 3                 | 11-19 days                    |      |        |         |
|               |               |                         | 4                 | 20 days or more               |      |        |         |
|               |               |                         | .d                | Don't know                    |      |        |         |
|               |               |                         | .r                | Refused                       |      |        |         |
|               |               |                         | .s                | Appropriate skip              |      |        |         |
|               |               |                         |                   |                               |      |        |         |
| G0900         | G0900B        | Train - Days - Business |                   | _____ days                    | Num  | 8      | BEST    |
|               |               |                         | .d                | Don't know                    |      |        |         |
|               |               |                         | .r                | Refused                       |      |        |         |
|               |               |                         | .s                | Appropriate skip              |      |        |         |
|               |               |                         |                   |                               |      |        |         |

| Question Code | Variable Name | Variable Label                   | Response Category | Response Category Description | Type | Length | Format  |
|---------------|---------------|----------------------------------|-------------------|-------------------------------|------|--------|---------|
| G0850         | G0850E        | Public Transit - Days            | 1                 | 1-2 days                      | Num  | 8      | DAYSUSE |
|               |               |                                  | 2                 | 3-10 days                     |      |        |         |
|               |               |                                  | 3                 | 11-19 days                    |      |        |         |
|               |               |                                  | 4                 | 20 days or more               |      |        |         |
|               |               |                                  | .d                | Don't know                    |      |        |         |
|               |               |                                  | .r                | Refused                       |      |        |         |
|               |               |                                  | .s                | Appropriate skip              |      |        |         |
| G0900         | G0900C        | Public Transit - Days - Business |                   | _____ days                    | Num  | 8      | BEST    |
|               |               |                                  | .d                | Don't know                    |      |        |         |
|               |               |                                  | .r                | Refused                       |      |        |         |
|               |               |                                  | .s                | Appropriate skip              |      |        |         |
| G0850         | G0850F        | Commercial Airplane - Days       | 1                 | 1-2 days                      | Num  | 8      | DAYSUSE |
|               |               |                                  | 2                 | 3-10 days                     |      |        |         |
|               |               |                                  | 3                 | 11-19 days                    |      |        |         |
|               |               |                                  | 4                 | 20 days or more               |      |        |         |
|               |               |                                  | .d                | Don't know                    |      |        |         |
|               |               |                                  | .r                | Refused                       |      |        |         |
|               |               |                                  | .s                | Appropriate skip              |      |        |         |
| G0900         | G0900D        | Com Airplane - Days - Business   |                   | _____ days                    | Num  | 8      | BEST    |
|               |               |                                  | .d                | Don't know                    |      |        |         |
|               |               |                                  | .r                | Refused                       |      |        |         |
|               |               |                                  | .s                | Appropriate skip              |      |        |         |
| G0850         | G0850G        | Other Airplane - Days            | 1                 | 1-2 days                      | Num  | 8      | DAYSUSE |
|               |               |                                  | 2                 | 3-10 days                     |      |        |         |
|               |               |                                  | 3                 | 11-19 days                    |      |        |         |
|               |               |                                  | 4                 | 20 days or more               |      |        |         |
|               |               |                                  | .d                | Don't know                    |      |        |         |
|               |               |                                  | .r                | Refused                       |      |        |         |
|               |               |                                  | .s                | Appropriate skip              |      |        |         |



| Question Code | Variable Name | Variable Label                   | Response Category | Response Category Description                           | Type | Length | Format    |
|---------------|---------------|----------------------------------|-------------------|---|------|--------|-----------|
| G0900         | G0900E        | Other Airplane - Days - Business |                   | _____ days  | Num  | 8      | BEST      |
|               |               |                                  | .d                | Don't know  |      |        |           |
|               |               |                                  | .r                | Refused   |      |        |           |
|               |               |                                  | .s                | Appropriate skip  |      |        |           |
| G0850         | G0850H        | Motorcycle - Days                | 1                 | 1-2 days  | Num  | 8      | DAYSUSE   |
|               |               |                                  | 2                 | 3-10 days   |      |        |           |
|               |               |                                  | 3                 | 11-19 days  |      |        |           |
|               |               |                                  | 4                 | 20 days or more   |      |        |           |
|               |               |                                  | .d                | Don't know  |      |        |           |
|               |               |                                  | .r                | Refused   |      |        |           |
|               |               |                                  | .s                | Appropriate skip  |      |        |           |
| G0850         | G0850I        | Bicycle - Days                   | 1                 | 1-2 days  | Num  | 8      | DAYSUSE   |
|               |               |                                  | 2                 | 3-10 days   |      |        |           |
|               |               |                                  | 3                 | 11-19 days  |      |        |           |
|               |               |                                  | 4                 | 20 days or more   |      |        |           |
|               |               |                                  | .d                | Don't know  |      |        |           |
|               |               |                                  | .r                | Refused   |      |        |           |
|               |               |                                  | .s                | Appropriate skip  |      |        |           |
| G0950         | G0950A        | Bicycle - Purpose                | 1                 | Commuting to work or school                             | Num  | 8      | COMUWHY   |
|               |               |                                  | 2                 | Recreation  |      |        |           |
|               |               |                                  | 3                 | Exercise  |      |        |           |
|               |               |                                  | 4                 | Personal errands (to the store, post office, and so on) |      |        |           |
|               |               |                                  | 5                 | Some other purpose                                      |      |        |           |
|               |               |                                  | .d                | Don't know  |      |        |           |
|               |               |                                  | .r                | Refused   |      |        |           |
|               |               |                                  | .s                | Appropriate skip  |      |        |           |
| G0950         | G0950B        | Bicycle - Other Purpose          | Text              | Verbatim response                                       | Char | 8      | \$TEXTVAR |
|               |               |                                  | .s                | Appropriate skip  |      |        |           |
|               |               |                                  |                   |   |      |        |           |

| Question Code | Variable Name | Variable Label                       | Response Category | Response Category Description | Type | Length | Format    |
|---------------|---------------|--------------------------------------|-------------------|-------------------------------|------|--------|-----------|
| G1000         | G1000A        | Bicycle - Time Spent - Hours         |                   | _____ hours                   | Num  | 8      | BEST      |
|               |               |                                      | .d                | Don't know                    |      |        |           |
|               |               |                                      | .r                | Refused                       |      |        |           |
|               |               |                                      | .s                | Appropriate skip              |      |        |           |
|               |               |                                      |                   |                               |      |        |           |
| G1000         | G1000B        | Bicycle - Time Spent - Minutes       |                   | _____ minutes                 | Num  | 8      | BEST      |
|               |               |                                      | .d                | Don't know                    |      |        |           |
|               |               |                                      | .r                | Refused                       |      |        |           |
|               |               |                                      | .s                | Appropriate skip              |      |        |           |
|               |               |                                      |                   |                               |      |        |           |
| G1000         | G1000C        | Bicycle - Time Spent - Decimal Hours |                   | Calculated                    | Num  | 8      | BEST      |
|               |               |                                      | .d                | Don't know                    |      |        |           |
|               |               |                                      | .r                | Refused                       |      |        |           |
|               |               |                                      | .s                | Appropriate skip              |      |        |           |
|               |               |                                      |                   |                               |      |        |           |
| G1050         | G1050A        | Bicycle - Type of Road               | 1                 | Paved roads                   | Num  | 8      | ROADTYPE  |
|               |               |                                      | 2                 | Shoulders of paved roads      |      |        |           |
|               |               |                                      | 3                 | Bike lanes on roads           |      |        |           |
|               |               |                                      | 4                 | Sidewalks                     |      |        |           |
|               |               |                                      | 5                 | Bike paths                    |      |        |           |
|               |               |                                      | 6                 | Unpaved roads                 |      |        |           |
|               |               |                                      | 7                 | Grass                         |      |        |           |
|               |               |                                      | 8                 | Other                         |      |        |           |
|               |               |                                      | .d                | Don't know                    |      |        |           |
|               |               |                                      | .r                | Refused                       |      |        |           |
|               |               |                                      | .s                | Appropriate skip              |      |        |           |
|               |               |                                      |                   |                               |      |        |           |
| G1050         | G1050B        | Bicycle - Other Type of Road         | Text              | Verbatim response             | Char | 8      | \$TEXTVAR |
|               |               |                                      | .s                | Appropriate skip              |      |        |           |
|               |               |                                      |                   |                               |      |        |           |
| G0850         | G0850J        | Walk - Days                          | 1                 | 1-2 days                      | Num  | 8      | DAYSUSE   |
|               |               |                                      | 2                 | 3-10 days                     |      |        |           |
|               |               |                                      | 3                 | 11-19 days                    |      |        |           |
|               |               |                                      | 4                 | 20 days or more               |      |        |           |

| Question Code | Variable Name | Variable Label                    | Response Category | Response Category Description                           | Type | Length | Format    |
|---------------|---------------|-----------------------------------|-------------------|---|------|--------|-----------|
|               |               |                                   | .d                | Don't know  |      |        |           |
|               |               |                                   | .r                | Refused   |      |        |           |
|               |               |                                   | .s                | Appropriate skip  |      |        |           |
|               |               |                                   |                   |   |      |        |           |
| G1100         | G1100A        | Walk - Purpose                    | 1                 | Commuting to work or school                             | Num  | 8      | COMUWHY   |
|               |               |                                   | 2                 | Recreation  |      |        |           |
|               |               |                                   | 3                 | Exercise  |      |        |           |
|               |               |                                   | 4                 | Personal errands (to the store, post office, and so on) |      |        |           |
|               |               |                                   | 5                 | Some other purpose                                      |      |        |           |
|               |               |                                   | .d                | Don't know  |      |        |           |
|               |               |                                   | .r                | Refused   |      |        |           |
|               |               |                                   | .s                | Appropriate skip  |      |        |           |
|               |               |                                   |                   |   |      |        |           |
| G1100         | G1100B        | Walk - Other Purpose              | Text              | Verbatim response                                       | Char | 8      | \$TEXTVAR |
|               |               |                                   | .s                | Appropriate skip  |      |        |           |
|               |               |                                   |                   |   |      |        |           |
| G1150         | G1150A        | Walk - Time Spent - Hours         |                   | _____ hours   | Num  | 8      | BEST      |
|               |               |                                   | .d                | Don't know  |      |        |           |
|               |               |                                   | .r                | Refused   |      |        |           |
|               |               |                                   | .s                | Appropriate skip  |      |        |           |
|               |               |                                   |                   |   |      |        |           |
| G1150         | G1150B        | Walk - Time Spent - Minutes       |                   | _____ minutes   | Num  | 8      | BEST      |
|               |               |                                   | .d                | Don't know  |      |        |           |
|               |               |                                   | .r                | Refused   |      |        |           |
|               |               |                                   | .s                | Appropriate skip  |      |        |           |
|               |               |                                   |                   |   |      |        |           |
| G1150         | G1150C        | Walk - Time Spent - Decimal Hours |                   | Calculated  | Num  | 8      | BEST      |
|               |               |                                   | .d                | Don't know  |      |        |           |
|               |               |                                   | .r                | Refused   |      |        |           |
|               |               |                                   | .s                | Appropriate skip  |      |        |           |
|               |               |                                   |                   |   |      |        |           |
| G1200         | G1200A        | Walk - Type of Road               | 1                 | Paved roads   | Num  | 8      | ROADTYPE  |
|               |               |                                   | 2                 | Shoulders of paved roads                                |      |        |           |
|               |               |                                   | 3                 | Bike lanes on roads                                     |      |        |           |

| Question Code | Variable Name | Variable Label                    | Response Category | Response Category Description | Type | Length | Format    |
|---------------|---------------|-----------------------------------|-------------------|-------------------------------|------|--------|-----------|
|               |               |                                   | 4                 | Sidewalks                     |      |        |           |
|               |               |                                   | 5                 | Bike paths                    |      |        |           |
|               |               |                                   | 6                 | Unpaved roads                 |      |        |           |
|               |               |                                   | 7                 | Grass                         |      |        |           |
|               |               |                                   | 8                 | Other                         |      |        |           |
|               |               |                                   | .d                | Don't know                    |      |        |           |
|               |               |                                   | .r                | Refused                       |      |        |           |
|               |               |                                   | .s                | Appropriate skip              |      |        |           |
|               |               |                                   |                   |                               |      |        |           |
| G1200         | G1200B        | Walk - Other Type of Road         | Text              | Verbatim response             | Char | 8      | \$TEXTVAR |
|               |               |                                   | .s                | Appropriate skip              |      |        |           |
|               |               |                                   |                   |                               |      |        |           |
| G0850         | G0850K        | Commercial Boat - Days            | 1                 | 1-2 days                      | Num  | 8      | DAYSUSE   |
|               |               |                                   | 2                 | 3-10 days                     |      |        |           |
|               |               |                                   | 3                 | 11-19 days                    |      |        |           |
|               |               |                                   | 4                 | 20 days or more               |      |        |           |
|               |               |                                   | .d                | Don't know                    |      |        |           |
|               |               |                                   | .r                | Refused                       |      |        |           |
|               |               |                                   | .s                | Appropriate skip              |      |        |           |
|               |               |                                   |                   |                               |      |        |           |
| G0850         | G0850L        | Watercraft - Days                 | 1                 | 1-2 days                      | Num  | 8      | DAYSUSE   |
|               |               |                                   | 2                 | 3-10 days                     |      |        |           |
|               |               |                                   | 3                 | 11-19 days                    |      |        |           |
|               |               |                                   | 4                 | 20 days or more               |      |        |           |
|               |               |                                   | .d                | Don't know                    |      |        |           |
|               |               |                                   | .r                | Refused                       |      |        |           |
|               |               |                                   | .s                | Appropriate skip              |      |        |           |
|               |               |                                   |                   |                               |      |        |           |
| G1250         | G1250A        | Watercraft - Time Spent - Hours   |                   | _____ hours                   | Num  | 8      | BEST      |
|               |               |                                   | .d                | Don't know                    |      |        |           |
|               |               |                                   | .r                | Refused                       |      |        |           |
|               |               |                                   | .s                | Appropriate skip              |      |        |           |
|               |               |                                   |                   |                               |      |        |           |
| G1250         | G1250B        | Watercraft - Time Spent - Minutes |                   | _____ minutes                 | Num  | 8      | BEST      |

| Question Code | Variable Name | Variable Label                                 | Response Category | Response Category Description | Type | Length | Format  |
|---------------|---------------|--|-------------------|-------------------------------|------|--------|---------|
|               |               |  | .d                | Don't know                    |      |        |         |
|               |               |  | .r                | Refused                       |      |        |         |
|               |               |  | .s                | Appropriate skip              |      |        |         |
|               |               |  |                   |                               |      |        |         |
| G1250         | G1250C        | Watercraft - Time Spent - Decimal Hours        |                   | Calculated                    | Num  | 8      | BEST    |
|               |               |  | .d                | Don't know                    |      |        |         |
|               |               |  | .r                | Refused                       |      |        |         |
|               |               |  | .s                | Appropriate skip              |      |        |         |
|               |               |  |                   |                               |      |        |         |
| G0850         | G0850M        | Recreational Boat - Days                       | 1                 | 1-2 days                      | Num  | 8      | DAYSUSE |
|               |               |  | 2                 | 3-10 days                     |      |        |         |
|               |               |  | 3                 | 11-19 days                    |      |        |         |
|               |               |  | 4                 | 20 days or more               |      |        |         |
|               |               |  | .d                | Don't know                    |      |        |         |
|               |               |  | .r                | Refused                       |      |        |         |
|               |               |  | .s                | Appropriate skip              |      |        |         |
|               |               |  |                   |                               |      |        |         |
| G1255         | G1255A        | Recreational Boat - Time Spent - Hours         |                   | _____ hours                   | Num  | 8      | BEST    |
|               |               |  | .d                | Don't know                    |      |        |         |
|               |               |  | .r                | Refused                       |      |        |         |
|               |               |  | .s                | Appropriate skip              |      |        |         |
|               |               |  |                   |                               |      |        |         |
| G1255         | G1255B        | Recreational Boat - Time Spent - Minutes       |                   | _____ minutes                 | Num  | 8      | BEST    |
|               |               |  | .d                | Don't know                    |      |        |         |
|               |               |  | .r                | Refused                       |      |        |         |
|               |               |  | .s                | Appropriate skip              |      |        |         |
|               |               |  |                   |                               |      |        |         |
| G1255         | G1255C        | Recreational Boat - Time Spent - Decimal Hours |                   | Calculated                    | Num  | 8      | BEST    |
|               |               |  | .d                | Don't know                    |      |        |         |
|               |               |  | .r                | Refused                       |      |        |         |
|               |               |  | .s                | Appropriate skip              |      |        |         |
|               |               |  |                   |                               |      |        |         |
| G0850         | G0850N        | Other Means of Transportation - Days           | 1                 | 1-2 days                      | Num  | 8      | DAYSUSE |
|               |               |  | 2                 | 3-10 days                     |      |        |         |

| Question Code | Variable Name | Variable Label                   | Response Category | Response Category Description   | Type | Length | Format   |
|---------------|---------------|----------------------------------|-------------------|---|------|--------|----------|
|               |               |                                  | 3                 | 11-19 days  |      |        |          |
|               |               |                                  | 4                 | 20 days or more   |      |        |          |
|               |               |                                  | .d                | Don't know  |      |        |          |
|               |               |                                  | .r                | Refused   |      |        |          |
|               |               |                                  | .s                | Appropriate skip  |      |        |          |
|               |               |                                  |                   |   |      |        |          |
| G1350         | G1350         | Crashes                          | 1                 | Yes   | Num  | 8      | YESNO    |
|               |               |                                  | 2                 | No  |      |        |          |
|               |               |                                  | .d                | Don't know  |      |        |          |
|               |               |                                  | .r                | Refused   |      |        |          |
|               |               |                                  |                   |   |      |        |          |
| G1400         | G1400         | Crashes - Number                 |                   | _____ crashes   | Num  | 8      | BEST     |
|               |               |                                  | .d                | Don't know  |      |        |          |
|               |               |                                  | .r                | Refused   |      |        |          |
|               |               |                                  | .s                | Appropriate skip  |      |        |          |
|               |               |                                  |                   |   |      |        |          |
| G1450         | G1450A        | Crashes - Type of Transportation | 1                 | Personal vehicle (example: car, van, SUV, or pickup truck, RV)  | Num  | 8      | ACCITRAN |
|               |               |                                  | 2                 | Organized carpool or vanpool  |      |        |          |
|               |               |                                  | 3                 | City-to-city bus (example: Greyhound)   |      |        |          |
|               |               |                                  | 4                 | City-to-city train (example: AMTRAK)  |      |        |          |
|               |               |                                  | 5                 | Public transit within city or metropolitan area (example: bus, train, subway, light rail, commuter bus or rail from suburb to city) |      |        |          |
|               |               |                                  | 6                 | Commercial airplane   |      |        |          |
|               |               |                                  | 7                 | Charter, private or corporate airplane  |      |        |          |
|               |               |                                  | 8                 | Motorcycle, including motorized scooter or motorized bicycle  |      |        |          |
|               |               |                                  | 9                 | Bicycle   |      |        |          |
|               |               |                                  | 10                | Walking, running, or jogging  |      |        |          |
|               |               |                                  | 11                | Commercial boat, ship or ferry  |      |        |          |
|               |               |                                  | 12                | Personal watercraft (example: jetski or skidoo)   |      |        |          |
|               |               |                                  | 13                | Recreational boat (example: sailboat, motorboat, yacht)   |      |        |          |
|               |               |                                  | 14                | Skates, skateboards, scooters without engines   |      |        |          |

| Question Code | Variable Name | Variable Label                         | Response Category | Response Category Description | Type | Length | Format    |
|---------------|---------------|--|-------------------|-------------------------------|------|--------|-----------|
|               |               |  | 15                | Other                         |      |        |           |
|               |               |  | .d                | Don't know                    |      |        |           |
|               |               |  | .r                | Refused                       |      |        |           |
|               |               |  | .s                | Appropriate skip              |      |        |           |
|               |               |  |                   |                               |      |        |           |
| G1450         | G1450B        | Crashes - Other Type of Transportation | Text              | Verbatim response             | Char | 8      | \$TEXTVAR |
|               |               |  | .s                | Appropriate skip              |      |        |           |
|               |               |  |                   |                               |      |        |           |
| G1500         | G1500A        | Crashes - Injuries - None              | 1                 | Yes                           | Num  | 8      | YESNO     |
|               |               |  | 2                 | No                            |      |        |           |
|               |               |  | .d                | Don't know                    |      |        |           |
|               |               |  | .r                | Refused                       |      |        |           |
|               |               |  | .s                | Appropriate skip              |      |        |           |
|               |               |  |                   |                               |      |        |           |
| G1500         | G1500B        | Crashes - Injuries - Cuts              | 1                 | Yes                           | Num  | 8      | YESNO     |
|               |               |  | 2                 | No                            |      |        |           |
|               |               |  | .d                | Don't know                    |      |        |           |
|               |               |  | .r                | Refused                       |      |        |           |
|               |               |  | .s                | Appropriate skip              |      |        |           |
|               |               |  |                   |                               |      |        |           |
| G1500         | G1500C        | Crashes - Injuries - Muscle Pull       | 1                 | Yes                           | Num  | 8      | YESNO     |
|               |               |  | 2                 | No                            |      |        |           |
|               |               |  | .d                | Don't know                    |      |        |           |
|               |               |  | .r                | Refused                       |      |        |           |
|               |               |  | .s                | Appropriate skip              |      |        |           |
|               |               |  |                   |                               |      |        |           |
| G1500         | G1500D        | Crashes - Injuries - Broken Bones      | 1                 | Yes                           | Num  | 8      | YESNO     |
|               |               |  | 2                 | No                            |      |        |           |
|               |               |  | .d                | Don't know                    |      |        |           |
|               |               |  | .r                | Refused                       |      |        |           |
|               |               |  | .s                | Appropriate skip              |      |        |           |
|               |               |  |                   |                               |      |        |           |
| G1500         | G1500E        | Crashes - Injuries - Neck              | 1                 | Yes                           | Num  | 8      | YESNO     |
|               |               |  | 2                 | No                            |      |        |           |

| Question Code | Variable Name | Variable Label                       | Response Category | Response Category Description | Type | Length | Format    |
|---------------|---------------|--------------------------------------|-------------------|-------------------------------|------|--------|-----------|
|               |               |                                      | .d                | Don't know                    |      |        |           |
|               |               |                                      | .r                | Refused                       |      |        |           |
|               |               |                                      | .s                | Appropriate skip              |      |        |           |
|               |               |                                      |                   |                               |      |        |           |
| G1500         | G1500F        | Crashes - Injuries - Back            | 1                 | Yes                           | Num  | 8      | YESNO     |
|               |               |                                      | 2                 | No                            |      |        |           |
|               |               |                                      | .d                | Don't know                    |      |        |           |
|               |               |                                      | .r                | Refused                       |      |        |           |
|               |               |                                      | .s                | Appropriate skip              |      |        |           |
|               |               |                                      |                   |                               |      |        |           |
| G1500         | G1500G        | Crashes - Injuries - Concussion      | 1                 | Yes                           | Num  | 8      | YESNO     |
|               |               |                                      | 2                 | No                            |      |        |           |
|               |               |                                      | .d                | Don't know                    |      |        |           |
|               |               |                                      | .r                | Refused                       |      |        |           |
|               |               |                                      | .s                | Appropriate skip              |      |        |           |
|               |               |                                      |                   |                               |      |        |           |
| G1500         | G1500H        | Crashes - Injuries - Internal Organs | 1                 | Yes                           | Num  | 8      | YESNO     |
|               |               |                                      | 2                 | No                            |      |        |           |
|               |               |                                      | .d                | Don't know                    |      |        |           |
|               |               |                                      | .r                | Refused                       |      |        |           |
|               |               |                                      | .s                | Appropriate skip              |      |        |           |
|               |               |                                      |                   |                               |      |        |           |
| G1500         | G1500I        | Crashes - Injuries - Other           | 1                 | Yes                           | Num  | 8      | YESNO     |
|               |               |                                      | 2                 | No                            |      |        |           |
|               |               |                                      | .d                | Don't know                    |      |        |           |
|               |               |                                      | .r                | Refused                       |      |        |           |
|               |               |                                      | .s                | Appropriate skip              |      |        |           |
|               |               |                                      |                   |                               |      |        |           |
| G1500         | G1500J        | Crashes - Injuries - Other - Specify | Text              | Verbatim response             | Char | 8      | \$TEXTVAR |
|               |               |                                      | .s                | Appropriate skip              |      |        |           |
|               |               |                                      |                   |                               |      |        |           |
| B0100         | B0100         | Commute                              | 1                 | Yes                           | Num  | 8      | YESNO     |
|               |               |                                      | 2                 | No                            |      |        |           |
|               |               |                                      | .d                | Don't know                    |      |        |           |



| Question Code | Variable Name | Variable Label                     | Response Category | Response Category Description                  | Type | Length | Format    |
|---------------|---------------|------------------------------------|-------------------|--|------|--------|-----------|
|               |               |                                    | .r                | Refused  |      |        |           |
| B0150         | B0150         | Commute - Days                     | 1                 | 29-31 days per month                           | Num  | 8      | DAYSCOMU  |
|               |               |                                    | 2                 | 22-28 days per month                           |      |        |           |
|               |               |                                    | 3                 | 15-21 days per month                           |      |        |           |
|               |               |                                    | 4                 | 8-14 days per month                            |      |        |           |
|               |               |                                    | 5                 | 1-7 days/month                                 |      |        |           |
|               |               |                                    | .d                | Don't know                                     |      |        |           |
|               |               |                                    | .r                | Refused  |      |        |           |
|               |               |                                    | .s                | Appropriate skip                               |      |        |           |
| B0200         | B0200         | Commute - Work/School              | 1                 | To work  | Num  | 8      | COMUWHER  |
|               |               |                                    | 2                 | To school                                      |      |        |           |
|               |               |                                    | 3                 | Both to work and to school                     |      |        |           |
|               |               |                                    | .d                | Don't know                                     |      |        |           |
|               |               |                                    | .r                | Refused  |      |        |           |
|               |               |                                    | .s                | Appropriate skip                               |      |        |           |
| B0250         | B0250A        | Commute - Route                    | 1                 | You go to work and to school on different days | Num  | 8      | COMUROUT  |
|               |               |                                    | 2                 | You go to work, then directly to school        |      |        |           |
|               |               |                                    | 3                 | You go to work, then home, then to school      |      |        |           |
|               |               |                                    | 4                 | You go to school, then directly to work        |      |        |           |
|               |               |                                    | 5                 | You go to school, then home, then to work      |      |        |           |
|               |               |                                    | 6                 | Something else                                 |      |        |           |
|               |               |                                    | .d                | Don't know                                     |      |        |           |
|               |               |                                    | .r                | Refused  |      |        |           |
|               |               |                                    | .s                | Appropriate skip                               |      |        |           |
| B0250         | B0250B        | Commute - Route - Specify          | Text              | Verbatim response                              | Char | 8      | \$TEXTVAR |
|               |               |                                    | .s                | Appropriate skip                               |      |        |           |
| B0300         | B0300A        | Commute to Work - Personal Vehicle | 1                 | Yes  | Num  | 8      | YESNO     |
|               |               |                                    | 2                 | No   |      |        |           |
|               |               |                                    | .d                | Don't know                                     |      |        |           |

| Question Code | Variable Name | Variable Label                        | Response Category | Response Category Description | Type | Length | Format |
|---------------|---------------|---------------------------------------|-------------------|-------------------------------|------|--------|--------|
|               |               |                                       | .r                | Refused                       |      |        |        |
|               |               |                                       | .s                | Appropriate skip              |      |        |        |
|               |               |                                       |                   |                               |      |        |        |
| B0300         | B0300B        | Commute to Work - Carpool/Vanpool     | 1                 | Yes                           | Num  | 8      | YESNO  |
|               |               |                                       | 2                 | No                            |      |        |        |
|               |               |                                       | .d                | Don't know                    |      |        |        |
|               |               |                                       | .r                | Refused                       |      |        |        |
|               |               |                                       | .s                | Appropriate skip              |      |        |        |
|               |               |                                       |                   |                               |      |        |        |
| B0300         | B0300C        | Commute to Work - Bus                 | 1                 | Yes                           | Num  | 8      | YESNO  |
|               |               |                                       | 2                 | No                            |      |        |        |
|               |               |                                       | .d                | Don't know                    |      |        |        |
|               |               |                                       | .r                | Refused                       |      |        |        |
|               |               |                                       | .s                | Appropriate skip              |      |        |        |
|               |               |                                       |                   |                               |      |        |        |
| B0300         | B0300D        | Commute to Work - Train               | 1                 | Yes                           | Num  | 8      | YESNO  |
|               |               |                                       | 2                 | No                            |      |        |        |
|               |               |                                       | .d                | Don't know                    |      |        |        |
|               |               |                                       | .r                | Refused                       |      |        |        |
|               |               |                                       | .s                | Appropriate skip              |      |        |        |
|               |               |                                       |                   |                               |      |        |        |
| B0300         | B0300E        | Commute to Work - Public Transit      | 1                 | Yes                           | Num  | 8      | YESNO  |
|               |               |                                       | 2                 | No                            |      |        |        |
|               |               |                                       | .d                | Don't know                    |      |        |        |
|               |               |                                       | .r                | Refused                       |      |        |        |
|               |               |                                       | .s                | Appropriate skip              |      |        |        |
|               |               |                                       |                   |                               |      |        |        |
| B0300         | B0300F        | Commute to Work - Commercial Airplane | 1                 | Yes                           | Num  | 8      | YESNO  |
|               |               |                                       | 2                 | No                            |      |        |        |
|               |               |                                       | .d                | Don't know                    |      |        |        |
|               |               |                                       | .r                | Refused                       |      |        |        |
|               |               |                                       | .s                | Appropriate skip              |      |        |        |
|               |               |                                       |                   |                               |      |        |        |
| B0300         | B0300G        | Commute to Work - Other Airplane      | 1                 | Yes                           | Num  | 8      | YESNO  |

| Question Code | Variable Name | Variable Label                    | Response Category | Response Category Description | Type | Length | Format |
|---------------|---------------|-----------------------------------|-------------------|-------------------------------|------|--------|--------|
|               |               |                                   | 2                 | No                            |      |        |        |
|               |               |                                   | .d                | Don't know                    |      |        |        |
|               |               |                                   | .r                | Refused                       |      |        |        |
|               |               |                                   | .s                | Appropriate skip              |      |        |        |
|               |               |                                   |                   |                               |      |        |        |
| B0300         | B0300H        | Commute to Work - Motorcycle      | 1                 | Yes                           | Num  | 8      | YESNO  |
|               |               |                                   | 2                 | No                            |      |        |        |
|               |               |                                   | .d                | Don't know                    |      |        |        |
|               |               |                                   | .r                | Refused                       |      |        |        |
|               |               |                                   | .s                | Appropriate skip              |      |        |        |
|               |               |                                   |                   |                               |      |        |        |
| B0300         | B0300I        | Commute to Work - Bicycle         | 1                 | Yes                           | Num  | 8      | YESNO  |
|               |               |                                   | 2                 | No                            |      |        |        |
|               |               |                                   | .d                | Don't know                    |      |        |        |
|               |               |                                   | .r                | Refused                       |      |        |        |
|               |               |                                   | .s                | Appropriate skip              |      |        |        |
|               |               |                                   |                   |                               |      |        |        |
| B0300         | B0300J        | Commute to Work - Walk            | 1                 | Yes                           | Num  | 8      | YESNO  |
|               |               |                                   | 2                 | No                            |      |        |        |
|               |               |                                   | .d                | Don't know                    |      |        |        |
|               |               |                                   | .r                | Refused                       |      |        |        |
|               |               |                                   | .s                | Appropriate skip              |      |        |        |
|               |               |                                   |                   |                               |      |        |        |
| B0300         | B0300K        | Commute to Work - Commercial Boat | 1                 | Yes                           | Num  | 8      | YESNO  |
|               |               |                                   | 2                 | No                            |      |        |        |
|               |               |                                   | .d                | Don't know                    |      |        |        |
|               |               |                                   | .r                | Refused                       |      |        |        |
|               |               |                                   | .s                | Appropriate skip              |      |        |        |
|               |               |                                   |                   |                               |      |        |        |
| B0300         | B0300L        | Commute to Work - Other           | 1                 | Yes                           | Num  | 8      | YESNO  |
|               |               |                                   | 2                 | No                            |      |        |        |
|               |               |                                   | .d                | Don't know                    |      |        |        |
|               |               |                                   | .r                | Refused                       |      |        |        |
|               |               |                                   | .s                | Appropriate skip              |      |        |        |

| Question Code | Variable Name | Variable Label                              | Response Category | Response Category Description | Type | Length | Format    |
|---------------|---------------|---|-------------------|-------------------------------|------|--------|-----------|
| B0300         | B0300M        | Commute to Work - Other - Specify           | Text              | Verbatim response             | Char | 8      | \$TEXTVAR |
|               |               |   | .s                | Appropriate skip              |      |        |           |
| B0350         | B0350A        | Commute to Work - Trip Time - Hours         |                   | _____ hours                   | Num  | 8      | BEST      |
|               |               |   | .d                | Don't know                    |      |        |           |
|               |               |   | .r                | Refused                       |      |        |           |
|               |               |   | .s                | Appropriate skip              |      |        |           |
| B0350         | B0350B        | Commute to Work - Trip Time - Minutes       |                   | _____ minutes                 | Num  | 8      | BEST      |
|               |               |   | .d                | Don't know                    |      |        |           |
|               |               |   | .r                | Refused                       |      |        |           |
|               |               |   | .s                | Appropriate skip              |      |        |           |
| B0350         | B0350C        | Commute to Work - Trip Time - Decimal Hours |                   | Calculated                    | Num  | 8      | BEST      |
|               |               |   | .d                | Don't know                    |      |        |           |
|               |               |   | .r                | Refused                       |      |        |           |
|               |               |   | .s                | Appropriate skip              |      |        |           |
| B0450         | B0450A        | Commute to School - Personal Vehicle        | 1                 | Yes                           | Num  | 8      | YESNO     |
|               |               |   | 2                 | No                            |      |        |           |
|               |               |   | .d                | Don't know                    |      |        |           |
|               |               |   | .r                | Refused                       |      |        |           |
|               |               |   | .s                | Appropriate skip              |      |        |           |
| B0450         | B0450B        | Commute to School - Carpool/Vanpool         | 1                 | Yes                           | Num  | 8      | YESNO     |
|               |               |   | 2                 | No                            |      |        |           |
|               |               |   | .d                | Don't know                    |      |        |           |
|               |               |   | .r                | Refused                       |      |        |           |
|               |               |   | .s                | Appropriate skip              |      |        |           |
| B0450         | B0450C        | Commute to School - Bus                     | 1                 | Yes                           | Num  | 8      | YESNO     |
|               |               |   | 2                 | No                            |      |        |           |
|               |               |   | .d                | Don't know                    |      |        |           |

| Question Code | Variable Name | Variable Label                          | Response Category | Response Category Description | Type | Length | Format |
|---------------|---------------|---|-------------------|-------------------------------|------|--------|--------|
|               |               |   | .r                | Refused                       |      |        |        |
|               |               |   | .s                | Appropriate skip              |      |        |        |
|               |               |   |                   |                               |      |        |        |
| B0450         | B0450D        | Commute to School - Train               | 1                 | Yes                           | Num  | 8      | YESNO  |
|               |               |   | 2                 | No                            |      |        |        |
|               |               |   | .d                | Don't know                    |      |        |        |
|               |               |   | .r                | Refused                       |      |        |        |
|               |               |   | .s                | Appropriate skip              |      |        |        |
|               |               |   |                   |                               |      |        |        |
| B0450         | B0450E        | Commute to School - Public Transit      | 1                 | Yes                           | Num  | 8      | YESNO  |
|               |               |   | 2                 | No                            |      |        |        |
|               |               |   | .d                | Don't know                    |      |        |        |
|               |               |   | .r                | Refused                       |      |        |        |
|               |               |   | .s                | Appropriate skip              |      |        |        |
|               |               |   |                   |                               |      |        |        |
| B0450         | B0450F        | Commute to School - Commercial Airplane | 1                 | Yes                           | Num  | 8      | YESNO  |
|               |               |   | 2                 | No                            |      |        |        |
|               |               |   | .d                | Don't know                    |      |        |        |
|               |               |   | .r                | Refused                       |      |        |        |
|               |               |   | .s                | Appropriate skip              |      |        |        |
|               |               |   |                   |                               |      |        |        |
| B0450         | B0450G        | Commute to School - Other Airplane      | 1                 | Yes                           | Num  | 8      | YESNO  |
|               |               |   | 2                 | No                            |      |        |        |
|               |               |   | .d                | Don't know                    |      |        |        |
|               |               |   | .r                | Refused                       |      |        |        |
|               |               |   | .s                | Appropriate skip              |      |        |        |
|               |               |   |                   |                               |      |        |        |
| B0450         | B0450H        | Commute to School - Motorcycle          | 1                 | Yes                           | Num  | 8      | YESNO  |
|               |               |   | 2                 | No                            |      |        |        |
|               |               |   | .d                | Don't know                    |      |        |        |
|               |               |   | .r                | Refused                       |      |        |        |
|               |               |   | .s                | Appropriate skip              |      |        |        |
|               |               |   |                   |                               |      |        |        |
| B0450         | B0450I        | Commute to School - Bicycle             | 1                 | Yes                           | Num  | 8      | YESNO  |

| Question Code | Variable Name | Variable Label                          | Response Category | Response Category Description | Type | Length | Format    |
|---------------|---------------|---|-------------------|-------------------------------|------|--------|-----------|
|               |               |   | 2                 | No                            |      |        |           |
|               |               |   | .d                | Don't know                    |      |        |           |
|               |               |   | .r                | Refused                       |      |        |           |
|               |               |   | .s                | Appropriate skip              |      |        |           |
|               |               |   |                   |                               |      |        |           |
| B0450         | B0450J        | Commute to School - Walk                | 1                 | Yes                           | Num  | 8      | YESNO     |
|               |               |   | 2                 | No                            |      |        |           |
|               |               |   | .d                | Don't know                    |      |        |           |
|               |               |   | .r                | Refused                       |      |        |           |
|               |               |   | .s                | Appropriate skip              |      |        |           |
|               |               |   |                   |                               |      |        |           |
| B0450         | B0450K        | Commute to School - Commercial Boat     | 1                 | Yes                           | Num  | 8      | YESNO     |
|               |               |   | 2                 | No                            |      |        |           |
|               |               |   | .d                | Don't know                    |      |        |           |
|               |               |   | .r                | Refused                       |      |        |           |
|               |               |   | .s                | Appropriate skip              |      |        |           |
|               |               |   |                   |                               |      |        |           |
| B0450         | B0450L        | Commute to School - Other               | 1                 | Yes                           | Num  | 8      | YESNO     |
|               |               |   | 2                 | No                            |      |        |           |
|               |               |   | .d                | Don't know                    |      |        |           |
|               |               |   | .r                | Refused                       |      |        |           |
|               |               |   | .s                | Appropriate skip              |      |        |           |
|               |               |   |                   |                               |      |        |           |
| B0450         | B0450M        | Commute to School - Other - Specify     | Text              | Verbatim response             | Char | 8      | \$TEXTVAR |
|               |               |   | .s                | Appropriate skip              |      |        |           |
|               |               |   |                   |                               |      |        |           |
| B0500         | B0500A        | Commute to School - Trip Time - Hours   |                   | _____ hours                   | Num  | 8      | BEST      |
|               |               |   | .d                | Don't know                    |      |        |           |
|               |               |   | .r                | Refused                       |      |        |           |
|               |               |   | .s                | Appropriate skip              |      |        |           |
|               |               |   |                   |                               |      |        |           |
| B0500         | B0500B        | Commute to School - Trip Time - Minutes |                   | _____ minutes                 | Num  | 8      | BEST      |
|               |               |   | .d                | Don't know                    |      |        |           |
|               |               |   | .r                | Refused                       |      |        |           |

| Question Code | Variable Name | Variable Label                                | Response Category | Response Category Description | Type | Length | Format |
|---------------|---------------|---|-------------------|-------------------------------|------|--------|--------|
|               |               |   | .s                | Appropriate skip              |      |        |        |
| B0500         | B0500C        | Commute to School - Trip Time - Decimal Hours |                   | Calculated                    | Num  | 8      | BEST   |
|               |               |   | .d                | Don't know                    |      |        |        |
|               |               |   | .r                | Refused                       |      |        |        |
|               |               |   | .s                | Appropriate skip              |      |        |        |
| B0650         | B0650         | Gas Prices - Changes in Transportation        | 1                 | Yes                           | Num  | 8      | YESNO  |
|               |               |   | 2                 | No                            |      |        |        |
|               |               |   | .d                | Don't know                    |      |        |        |
|               |               |   | .r                | Refused                       |      |        |        |
| B0700         | B0700A        | Gas Prices - Drive less frequently            | 1                 | Yes                           | Num  | 8      | YESNO  |
|               |               |   | 2                 | No                            |      |        |        |
|               |               |   | .d                | Don't know                    |      |        |        |
|               |               |   | .r                | Refused                       |      |        |        |
|               |               |   | .s                | Appropriate skip              |      |        |        |
| B0700         | B0700B        | Gas Prices - Use public transit more          | 1                 | Yes                           | Num  | 8      | YESNO  |
|               |               |   | 2                 | No                            |      |        |        |
|               |               |   | .d                | Don't know                    |      |        |        |
|               |               |   | .r                | Refused                       |      |        |        |
|               |               |   | .s                | Appropriate skip              |      |        |        |
| B0700         | B0700C        | Gas Prices - Walk more                        | 1                 | Yes                           | Num  | 8      | YESNO  |
|               |               |   | 2                 | No                            |      |        |        |
|               |               |   | .d                | Don't know                    |      |        |        |
|               |               |   | .r                | Refused                       |      |        |        |
|               |               |   | .s                | Appropriate skip              |      |        |        |
| B0700         | B0700D        | Gas Prices - Bicycle more                     | 1                 | Yes                           | Num  | 8      | YESNO  |
|               |               |   | 2                 | No                            |      |        |        |
|               |               |   | .d                | Don't know                    |      |        |        |
|               |               |   | .r                | Refused                       |      |        |        |

| Question Code | Variable Name | Variable Label   | Response Category | Response Category Description | Type | Length | Format |
|---------------|---------------|--|-------------------|-------------------------------|------|--------|--------|
|               |               |  | .s                | Appropriate skip              |      |        |        |
| B0700         | B0700E        | Gas Prices - Combine local errand trips                  | 1                 | Yes                           | Num  | 8      | YESNO  |
|               |               |  | 2                 | No                            |      |        |        |
|               |               |  | .d                | Don't know                    |      |        |        |
|               |               |  | .r                | Refused                       |      |        |        |
|               |               |  | .s                | Appropriate skip              |      |        |        |
| B0700         | B0700F        | Gas Prices - Change travel plans                         | 1                 | Yes                           | Num  | 8      | YESNO  |
|               |               |  | 2                 | No                            |      |        |        |
|               |               |  | .d                | Don't know                    |      |        |        |
|               |               |  | .r                | Refused                       |      |        |        |
|               |               |  | .s                | Appropriate skip              |      |        |        |
| B0700         | B0700G        | Gas Prices - Cancel vacation travel plans                | 1                 | Yes                           | Num  | 8      | YESNO  |
|               |               |  | 2                 | No                            |      |        |        |
|               |               |  | .d                | Don't know                    |      |        |        |
|               |               |  | .r                | Refused                       |      |        |        |
|               |               |  | .s                | Appropriate skip              |      |        |        |
| B0700         | B0700H        | Gas Prices - Increase vehicle maintenance                | 1                 | Yes                           | Num  | 8      | YESNO  |
|               |               |  | 2                 | No                            |      |        |        |
|               |               |  | .d                | Don't know                    |      |        |        |
|               |               |  | .r                | Refused                       |      |        |        |
|               |               |  | .s                | Appropriate skip              |      |        |        |
| B0700         | B0700I        | Gas Prices - Comparison-shop for best prices on gasoline | 1                 | Yes                           | Num  | 8      | YESNO  |
|               |               |  | 2                 | No                            |      |        |        |
|               |               |  | .d                | Don't know                    |      |        |        |
|               |               |  | .r                | Refused                       |      |        |        |
|               |               |  | .s                | Appropriate skip              |      |        |        |
| B0700         | B0700J        | Gas Prices - Change to lower octane gas                  | 1                 | Yes                           | Num  | 8      | YESNO  |



| Question Code | Variable Name | Variable Label                                    | Response Category | Response Category Description | Type | Length | Format    |
|---------------|---------------|---|-------------------|-------------------------------|------|--------|-----------|
|               |               |   | 2                 | No                            |      |        |           |
|               |               |   | .d                | Don't know                    |      |        |           |
|               |               |   | .r                | Refused                       |      |        |           |
|               |               |   | .s                | Appropriate skip              |      |        |           |
|               |               |   |                   |                               |      |        |           |
| B0700         | B0700K        | Gas Prices - Purchase more fuel-efficient vehicle | 1                 | Yes                           | Num  | 8      | YESNO     |
|               |               |   | 2                 | No                            |      |        |           |
|               |               |   | .d                | Don't know                    |      |        |           |
|               |               |   | .r                | Refused                       |      |        |           |
|               |               |   | .s                | Appropriate skip              |      |        |           |
|               |               |   |                   |                               |      |        |           |
| B0700         | B0700L        | Gas Prices - Other                                | 1                 | Yes                           | Num  | 8      | YESNO     |
|               |               |   | 2                 | No                            |      |        |           |
|               |               |   | .d                | Don't know                    |      |        |           |
|               |               |   | .r                | Refused                       |      |        |           |
|               |               |   | .s                | Appropriate skip              |      |        |           |
|               |               |   |                   |                               |      |        |           |
| B0700         | B0700M        | Gas Prices - Other - Specify                      | Text              | Verbatim response             | Char | 8      | \$TEXTVAR |
|               |               |   | .s                | Appropriate skip              |      |        |           |
|               |               |   |                   |                               |      |        |           |
| SS0150        | SS0150        | Concern - Impaired Drivers                        | 1                 | To no extent                  | Num  | 8      | OPINION   |
|               |               |   | 2                 | To a little extent            |      |        |           |
|               |               |   | 3                 | To some extent                |      |        |           |
|               |               |   | 4                 | To a great extent             |      |        |           |
|               |               |   | 5                 | To a very great extent        |      |        |           |
|               |               |   | 6                 | N/A                           |      |        |           |
|               |               |   | .d                | Don't know                    |      |        |           |
|               |               |   | .r                | Refused                       |      |        |           |
|               |               |   |                   |                               |      |        |           |
| SS0200        | SS0200        | Concern - Aggressive Behavior                     | 1                 | To no extent                  | Num  | 8      | OPINION   |
|               |               |   | 2                 | To a little extent            |      |        |           |
|               |               |   | 3                 | To some extent                |      |        |           |
|               |               |   | 4                 | To a great extent             |      |        |           |
|               |               |   | 5                 | To a very great extent        |      |        |           |

| Question Code | Variable Name | Variable Label               | Response Category | Response Category Description | Type | Length | Format  |
|---------------|---------------|------------------------------|-------------------|-------------------------------|------|--------|---------|
|               |               |                              | 6                 | N/A                           |      |        |         |
|               |               |                              | .d                | Don't know                    |      |        |         |
|               |               |                              | .r                | Refused                       |      |        |         |
|               |               |                              |                   |                               |      |        |         |
| SS0250        | SS0250        | Concern - Mechanical Failure | 1                 | To no extent                  | Num  | 8      | OPINION |
|               |               |                              | 2                 | To a little extent            |      |        |         |
|               |               |                              | 3                 | To some extent                |      |        |         |
|               |               |                              | 4                 | To a great extent             |      |        |         |
|               |               |                              | 5                 | To a very great extent        |      |        |         |
|               |               |                              | 6                 | N/A                           |      |        |         |
|               |               |                              | .d                | Don't know                    |      |        |         |
|               |               |                              | .r                | Refused                       |      |        |         |
|               |               |                              |                   |                               |      |        |         |
| SS0300        | SS0300        | Concern - HAZMAT             | 1                 | To no extent                  | Num  | 8      | OPINION |
|               |               |                              | 2                 | To a little extent            |      |        |         |
|               |               |                              | 3                 | To some extent                |      |        |         |
|               |               |                              | 4                 | To a great extent             |      |        |         |
|               |               |                              | 5                 | To a very great extent        |      |        |         |
|               |               |                              | 6                 | N/A                           |      |        |         |
|               |               |                              | .d                | Don't know                    |      |        |         |
|               |               |                              | .r                | Refused                       |      |        |         |
|               |               |                              |                   |                               |      |        |         |
| SS0350        | SS0350        | Concern - Crime              | 1                 | To no extent                  | Num  | 8      | OPINION |
|               |               |                              | 2                 | To a little extent            |      |        |         |
|               |               |                              | 3                 | To some extent                |      |        |         |
|               |               |                              | 4                 | To a great extent             |      |        |         |
|               |               |                              | 5                 | To a very great extent        |      |        |         |
|               |               |                              | 6                 | N/A                           |      |        |         |
|               |               |                              | .d                | Don't know                    |      |        |         |
|               |               |                              | .r                | Refused                       |      |        |         |
|               |               |                              |                   |                               |      |        |         |
| T0100         | T0100         | Contact Gov                  | 1                 | Yes                           | Num  | 8      | YESNO   |
|               |               |                              | 2                 | No                            |      |        |         |
|               |               |                              | 3                 | Don't remember                |      |        |         |

| Question Code | Variable Name | Variable Label                                      | Response Category | Response Category Description  | Type | Length | Format    |
|---------------|---------------|---|-------------------|--|------|--------|-----------|
|               |               |   | .d                | Don't know   |      |        |           |
|               |               |   | .r                | Refused  |      |        |           |
|               |               |   |                   |  |      |        |           |
| T0150         | T0150A        | Contact Gov - Reason                                | 1                 | Obtain information (for example, auto crash test/rollover results, recalls, airline on-time performance, rail safety statistics) | Num  | 8      | GOVWHY    |
|               |               |   | 2                 | Lodge a complaint  |      |        |           |
|               |               |   | 3                 | Report a problem, violation, or accident   |      |        |           |
|               |               |   | 4                 | Order/obtain a product (driver's permit, license tags, applications)   |      |        |           |
|               |               |   | 5                 | Apply for/inquire about employment   |      |        |           |
|               |               |   | 6                 | Other  |      |        |           |
|               |               |   | .d                | Don't know   |      |        |           |
|               |               |   | .r                | Refused  |      |        |           |
|               |               |   | .s                | Appropriate skip   |      |        |           |
|               |               |   |                   |  |      |        |           |
| T0150         | T0150B        | Contact Gov - Other Reason                          | Text              | Verbatim response  | Char | 8      | \$TEXTVAR |
|               |               |   | .s                | Appropriate skip   |      |        |           |
|               |               |   |                   |  |      |        |           |
| T0200         | T0200A        | Contact Gov - How - Telephone                       | 1                 | Yes  | Num  | 8      | YESNO     |
|               |               |   | 2                 | No   |      |        |           |
|               |               |   | .d                | Don't know   |      |        |           |
|               |               |   | .r                | Refused  |      |        |           |
|               |               |   | .s                | Appropriate skip   |      |        |           |
|               |               |   |                   |  |      |        |           |
| T0200         | T0200B        | Contact Gov - How - Internet/World-Wide Web, E-mail | 1                 | Yes  | Num  | 8      | YESNO     |
|               |               |   | 2                 | No   |      |        |           |
|               |               |   | .d                | Don't know   |      |        |           |
|               |               |   | .r                | Refused  |      |        |           |
|               |               |   | .s                | Appropriate skip   |      |        |           |
|               |               |   |                   |  |      |        |           |
| T0200         | T0200C        | Contact Gov - How - Regular Mail                    | 1                 | Yes  | Num  | 8      | YESNO     |
|               |               |   | 2                 | No   |      |        |           |
|               |               |   | .d                | Don't know   |      |        |           |

| Question Code | Variable Name | Variable Label                      | Response Category | Response Category Description                               | Type | Length | Format    |
|---------------|---------------|-------------------------------------|-------------------|---|------|--------|-----------|
|               |               |                                     | .r                | Refused   |      |        |           |
|               |               |                                     | .s                | Appropriate skip  |      |        |           |
|               |               |                                     |                   |   |      |        |           |
| T0200         | T0200D        | Contact Gov - How - In Person       | 1                 | Yes   | Num  | 8      | YESNO     |
|               |               |                                     | 2                 | No  |      |        |           |
|               |               |                                     | .d                | Don't know  |      |        |           |
|               |               |                                     | .r                | Refused   |      |        |           |
|               |               |                                     | .s                | Appropriate skip  |      |        |           |
|               |               |                                     |                   |   |      |        |           |
| T0200         | T0200E        | Contact Gov - How - Other           | 1                 | Yes   | Num  | 8      | YESNO     |
|               |               |                                     | 2                 | No  |      |        |           |
|               |               |                                     | .d                | Don't know  |      |        |           |
|               |               |                                     | .r                | Refused   |      |        |           |
|               |               |                                     | .s                | Appropriate skip  |      |        |           |
|               |               |                                     |                   |   |      |        |           |
| T0200         | T0200F        | Contact Gov - How - Other - Specify | Text              | Verbatim response   | Char | 8      | \$TEXTVAR |
|               |               |                                     | .s                | Appropriate skip  |      |        |           |
|               |               |                                     |                   |   |      |        |           |
| T0250         | T0250A        | Contact Gov - Agency Name           | 1                 | Bureau of Transportation Statistics (BTS)                   | Num  | 8      | GOVNAME   |
|               |               |                                     | 2                 | Congress (United States Senate or House of Representatives) |      |        |           |
|               |               |                                     | 3                 | Federal Aviation Administration (FAA)                       |      |        |           |
|               |               |                                     | 4                 | Federal Railroad Administration (FRA)                       |      |        |           |
|               |               |                                     | 5                 | Federal Motor Carrier Safety Administration (FMCSA)         |      |        |           |
|               |               |                                     | 6                 | Federal Transit Administration (FTA)                        |      |        |           |
|               |               |                                     | 7                 | Federal Highway Administration (FHWA)                       |      |        |           |
|               |               |                                     | 8                 | Maritime Administration (MARAD)                             |      |        |           |
|               |               |                                     | 9                 | National Highway Traffic Safety Administration (NHTSA)      |      |        |           |
|               |               |                                     | 10                | Research and Special Programs Administration (RSPA)         |      |        |           |
|               |               |                                     | 11                | Secretary of the US Department of Transportation (OST)      |      |        |           |
|               |               |                                     | 12                | St. Lawrence Seaway Development Corporation                 |      |        |           |

| Question Code | Variable Name | Variable Label                            | Response Category | Response Category Description                                | Type | Length | Format    |
|---------------|---------------|---|-------------------|--|------|--------|-----------|
|               |               |   | 13                | United States Coast Guard                                    |      |        |           |
|               |               |   | 14                | State Department of Motor Vehicles (DMV, MVA)                |      |        |           |
|               |               |   | 15                | City, County, Township or Parish Government office           |      |        |           |
|               |               |   | 16                | County or Local Police, Sheriff                              |      |        |           |
|               |               |   | 17                | Public Transit Agency  |      |        |           |
|               |               |   | 18                | State Department of Transportation (State DOT)               |      |        |           |
|               |               |   | 19                | State Legislature (State Senate, Delegates, Representatives) |      |        |           |
|               |               |   | 20                | State Police, State Patrol, Highway Patrol                   |      |        |           |
|               |               |   | 21                | Some Other Agency  |      |        |           |
|               |               |   | 22                | Don't know/don't remember                                    |      |        |           |
|               |               |   | .r                | Refused  |      |        |           |
|               |               |   | .s                | Appropriate skip   |      |        |           |
|               |               |   |                   |  |      |        |           |
| T0250         | T0250B        | Contact Gov - Other Agency Name           | Text              | Verbatim response  | Char | 8      | \$TEXTVAR |
|               |               |   | .s                | Appropriate skip   |      |        |           |
|               |               |   |                   |  |      |        |           |
| T0350         | T0350         | Contact Gov - Locate Right Source         | 1                 | To no extent   | Num  | 8      | OPINION   |
|               |               |   | 2                 | To a little extent   |      |        |           |
|               |               |   | 3                 | To some extent   |      |        |           |
|               |               |   | 4                 | To a great extent  |      |        |           |
|               |               |   | 5                 | To a very great extent                                       |      |        |           |
|               |               |   | 6                 | N/A  |      |        |           |
|               |               |   | .d                | Don't know   |      |        |           |
|               |               |   | .r                | Refused  |      |        |           |
|               |               |   | .s                | Appropriate skip   |      |        |           |
|               |               |   |                   |  |      |        |           |
| T0400         | T0400         | Contact Gov - Service Providers Courteous | 1                 | To no extent   | Num  | 8      | OPINION   |
|               |               |   | 2                 | To a little extent   |      |        |           |
|               |               |   | 3                 | To some extent   |      |        |           |
|               |               |   | 4                 | To a great extent  |      |        |           |
|               |               |   | 5                 | To a very great extent                                       |      |        |           |
|               |               |   | 6                 | N/A  |      |        |           |
|               |               |   | .d                | Don't know   |      |        |           |

| Question Code | Variable Name | Variable Label                          | Response Category | Response Category Description | Type | Length | Format  |
|---------------|---------------|---|-------------------|-------------------------------|------|--------|---------|
|               |               |   | .r                | Refused                       |      |        |         |
|               |               |   | .s                | Appropriate skip              |      |        |         |
|               |               |   |                   |                               |      |        |         |
| T0450         | T0450         | Contact Gov - Response Timely           | 1                 | To no extent                  | Num  | 8      | OPINION |
|               |               |   | 2                 | To a little extent            |      |        |         |
|               |               |   | 3                 | To some extent                |      |        |         |
|               |               |   | 4                 | To a great extent             |      |        |         |
|               |               |   | 5                 | To a very great extent        |      |        |         |
|               |               |   | 6                 | N/A                           |      |        |         |
|               |               |   | .d                | Don't know                    |      |        |         |
|               |               |   | .r                | Refused                       |      |        |         |
|               |               |   | .s                | Appropriate skip              |      |        |         |
|               |               |   |                   |                               |      |        |         |
| T0500         | T0500         | Contact Gov - Satisfaction              | 1                 | To no extent                  | Num  | 8      | OPINION |
|               |               |   | 2                 | To a little extent            |      |        |         |
|               |               |   | 3                 | To some extent                |      |        |         |
|               |               |   | 4                 | To a great extent             |      |        |         |
|               |               |   | 5                 | To a very great extent        |      |        |         |
|               |               |   | 6                 | N/A                           |      |        |         |
|               |               |   | .d                | Don't know                    |      |        |         |
|               |               |   | .r                | Refused                       |      |        |         |
|               |               |   | .s                | Appropriate skip              |      |        |         |
|               |               |   |                   |                               |      |        |         |
| MCG0100       | MCG0100       | Coast Guard                             | 1                 | Yes                           | Num  | 8      | YESNO   |
|               |               |   | 2                 | No                            |      |        |         |
|               |               |   | .d                | Don't know                    |      |        |         |
|               |               |   | .r                | Refused                       |      |        |         |
|               |               |   |                   |                               |      |        |         |
| MCG0150       | MCG0150A      | Coast Guard - Services - Boating Safety | 1                 | Yes                           | Num  | 8      | YESNO   |
|               |               |   | 2                 | No                            |      |        |         |
|               |               |   | .d                | Don't know                    |      |        |         |
|               |               |   | .r                | Refused                       |      |        |         |
|               |               |   | .s                | Appropriate skip              |      |        |         |
|               |               |   |                   |                               |      |        |         |

| Question Code | Variable Name | Variable Label                              | Response Category | Response Category Description | Type | Length | Format |
|---------------|---------------|---|-------------------|-------------------------------|------|--------|--------|
| MCG0150       | MCG0150B      | Coast Guard - Services - Icebreaking        | 1                 | Yes                           | Num  | 8      | YESNO  |
|               |               |   | 2                 | No                            |      |        |        |
|               |               |   | .d                | Don't know                    |      |        |        |
|               |               |   | .r                | Refused                       |      |        |        |
|               |               |   | .s                | Appropriate skip              |      |        |        |
|               |               |   |                   |                               |      |        |        |
| MCG0150       | MCG0150C      | Coast Guard - Services - Law Enforce        | 1                 | Yes                           | Num  | 8      | YESNO  |
|               |               |   | 2                 | No                            |      |        |        |
|               |               |   | .d                | Don't know                    |      |        |        |
|               |               |   | .r                | Refused                       |      |        |        |
|               |               |   | .s                | Appropriate skip              |      |        |        |
|               |               |   |                   |                               |      |        |        |
| MCG0150       | MCG0150D      | Coast Guard - Services - Environ Protection | 1                 | Yes                           | Num  | 8      | YESNO  |
|               |               |   | 2                 | No                            |      |        |        |
|               |               |   | .d                | Don't know                    |      |        |        |
|               |               |   | .r                | Refused                       |      |        |        |
|               |               |   | .s                | Appropriate skip              |      |        |        |
|               |               |   |                   |                               |      |        |        |
| MCG0150       | MCG0150E      | Coast Guard - Services - Aids               | 1                 | Yes                           | Num  | 8      | YESNO  |
|               |               |   | 2                 | No                            |      |        |        |
|               |               |   | .d                | Don't know                    |      |        |        |
|               |               |   | .r                | Refused                       |      |        |        |
|               |               |   | .s                | Appropriate skip              |      |        |        |
|               |               |   |                   |                               |      |        |        |
| MCG0150       | MCG0150F      | Coast Guard - Services - Search             | 1                 | Yes                           | Num  | 8      | YESNO  |
|               |               |   | 2                 | No                            |      |        |        |
|               |               |   | .d                | Don't know                    |      |        |        |
|               |               |   | .r                | Refused                       |      |        |        |
|               |               |   | .s                | Appropriate skip              |      |        |        |
|               |               |   |                   |                               |      |        |        |
| MCG0150       | MCG0150G      | Coast Guard - Services - Other              | 1                 | Yes                           | Num  | 8      | YESNO  |
|               |               |   | 2                 | No                            |      |        |        |
|               |               |   | .d                | Don't know                    |      |        |        |
|               |               |   | .r                | Refused                       |      |        |        |

| Question Code | Variable Name | Variable Label                           | Response Category | Response Category Description | Type | Length | Format    |
|---------------|---------------|--|-------------------|-------------------------------|------|--------|-----------|
|               |               |  | .s                | Appropriate skip              |      |        |           |
| MCG0150       | MCG0150H      | Coast Guard - Services - Other - Specify | Text              | Verbatim response             | Char | 8      | \$TEXTVAR |
|               |               |  | .s                | Appropriate skip              |      |        |           |
| MNH0250       | MNH0250       | Safety Equipment - Seat Belt             | 1                 | To no extent                  | Num  | 8      | OPINION   |
|               |               |  | 2                 | To a little extent            |      |        |           |
|               |               |  | 3                 | To some extent                |      |        |           |
|               |               |  | 4                 | To a great extent             |      |        |           |
|               |               |  | 5                 | To a very great extent        |      |        |           |
|               |               |  | 6                 | N/A                           |      |        |           |
|               |               |  | .d                | Don't know                    |      |        |           |
|               |               |  | .r                | Refused                       |      |        |           |
| MNH0300       | MNH0300       | Safety Equipment - Tires                 | 1                 | To no extent                  | Num  | 8      | OPINION   |
|               |               |  | 2                 | To a little extent            |      |        |           |
|               |               |  | 3                 | To some extent                |      |        |           |
|               |               |  | 4                 | To a great extent             |      |        |           |
|               |               |  | 5                 | To a very great extent        |      |        |           |
|               |               |  | 6                 | N/A                           |      |        |           |
|               |               |  | .d                | Don't know                    |      |        |           |
|               |               |  | .r                | Refused                       |      |        |           |
| D0100         | D0100         | Disability                               | 1                 | Yes                           | Num  | 8      | YESNO     |
|               |               |  | 2                 | No                            |      |        |           |
|               |               |  | .d                | Don't know                    |      |        |           |
|               |               |  | .r                | Refused                       |      |        |           |
| D0150         | D0150A        | Disability - Personal Vehicle            | 1                 | Yes                           | Num  | 8      | YESNO     |
|               |               |  | 2                 | No                            |      |        |           |
|               |               |  | .d                | Don't know                    |      |        |           |
|               |               |  | .r                | Refused                       |      |        |           |
|               |               |  | .s                | Appropriate skip              |      |        |           |



| Question Code | Variable Name | Variable Label                   | Response Category | Response Category Description | Type | Length | Format |
|---------------|---------------|----------------------------------|-------------------|-------------------------------|------|--------|--------|
| D0150         | D0150B        | Disability - Carpool/Vanpool     | 1                 | Yes                           | Num  | 8      | YESNO  |
|               |               |                                  | 2                 | No                            |      |        |        |
|               |               |                                  | .d                | Don't know                    |      |        |        |
|               |               |                                  | .r                | Refused                       |      |        |        |
|               |               |                                  | .s                | Appropriate skip              |      |        |        |
| D0150         | D0150C        | Disability - Bus                 | 1                 | Yes                           | Num  | 8      | YESNO  |
|               |               |                                  | 2                 | No                            |      |        |        |
|               |               |                                  | .d                | Don't know                    |      |        |        |
|               |               |                                  | .r                | Refused                       |      |        |        |
|               |               |                                  | .s                | Appropriate skip              |      |        |        |
| D0150         | D0150D        | Disability - Train               | 1                 | Yes                           | Num  | 8      | YESNO  |
|               |               |                                  | 2                 | No                            |      |        |        |
|               |               |                                  | .d                | Don't know                    |      |        |        |
|               |               |                                  | .r                | Refused                       |      |        |        |
|               |               |                                  | .s                | Appropriate skip              |      |        |        |
| D0150         | D0150E        | Disability - Public Transit      | 1                 | Yes                           | Num  | 8      | YESNO  |
|               |               |                                  | 2                 | No                            |      |        |        |
|               |               |                                  | .d                | Don't know                    |      |        |        |
|               |               |                                  | .r                | Refused                       |      |        |        |
|               |               |                                  | .s                | Appropriate skip              |      |        |        |
| D0150         | D0150F        | Disability - Commercial Airplane | 1                 | Yes                           | Num  | 8      | YESNO  |
|               |               |                                  | 2                 | No                            |      |        |        |
|               |               |                                  | .d                | Don't know                    |      |        |        |
|               |               |                                  | .r                | Refused                       |      |        |        |
|               |               |                                  | .s                | Appropriate skip              |      |        |        |
| D0150         | D0150G        | Disability - Other Airplane      | 1                 | Yes                           | Num  | 8      | YESNO  |
|               |               |                                  | 2                 | No                            |      |        |        |
|               |               |                                  | .d                | Don't know                    |      |        |        |
|               |               |                                  | .r                | Refused                       |      |        |        |

| Question Code | Variable Name | Variable Label               | Response Category | Response Category Description | Type | Length | Format    |
|---------------|---------------|------------------------------|-------------------|-------------------------------|------|--------|-----------|
|               |               |                              | .s                | Appropriate skip              |      |        |           |
| D0150         | D0150H        | Disability - Motorcycle      | 1                 | Yes                           | Num  | 8      | YESNO     |
|               |               |                              | 2                 | No                            |      |        |           |
|               |               |                              | .d                | Don't know                    |      |        |           |
|               |               |                              | .r                | Refused                       |      |        |           |
|               |               |                              | .s                | Appropriate skip              |      |        |           |
| D0150         | D0150I        | Disability - Bicycle         | 1                 | Yes                           | Num  | 8      | YESNO     |
|               |               |                              | 2                 | No                            |      |        |           |
|               |               |                              | .d                | Don't know                    |      |        |           |
|               |               |                              | .r                | Refused                       |      |        |           |
|               |               |                              | .s                | Appropriate skip              |      |        |           |
| D0150         | D0150J        | Disability - Walk            | 1                 | Yes                           | Num  | 8      | YESNO     |
|               |               |                              | 2                 | No                            |      |        |           |
|               |               |                              | .d                | Don't know                    |      |        |           |
|               |               |                              | .r                | Refused                       |      |        |           |
|               |               |                              | .s                | Appropriate skip              |      |        |           |
| D0150         | D0150K        | Disability - Commercial Boat | 1                 | Yes                           | Num  | 8      | YESNO     |
|               |               |                              | 2                 | No                            |      |        |           |
|               |               |                              | .d                | Don't know                    |      |        |           |
|               |               |                              | .r                | Refused                       |      |        |           |
|               |               |                              | .s                | Appropriate skip              |      |        |           |
| D0150         | D0150L        | Disability - Other           | 1                 | Yes                           | Num  | 8      | YESNO     |
|               |               |                              | 2                 | No                            |      |        |           |
|               |               |                              | .d                | Don't know                    |      |        |           |
|               |               |                              | .r                | Refused                       |      |        |           |
|               |               |                              | .s                | Appropriate skip              |      |        |           |
| D0150         | D0150M        | Disability - Other - Specify | Text              | Verbatim response             | Char | 8      | \$TEXTVAR |
|               |               |                              | .s                | Appropriate skip              |      |        |           |

| Question Code | Variable Name | Variable Label   | Response Category | Response Category Description | Type | Length | Format    |
|---------------|---------------|--|-------------------|-------------------------------|------|--------|-----------|
| D0200         | D0200A        | Disability - Difficulty/inability to get to transportation                 | 1                 | Yes                           | Num  | 8      | YESNO     |
|               |               |  | 2                 | No                            |      |        |           |
|               |               |  | .d                | Don't know                    |      |        |           |
|               |               |  | .r                | Refused                       |      |        |           |
|               |               |  | .s                | Appropriate skip              |      |        |           |
| D0200         | D0200B        | Disability - Transportation not equipped to accommodate condition          | 1                 | Yes                           | Num  | 8      | YESNO     |
|               |               |  | 2                 | No                            |      |        |           |
|               |               |  | .d                | Don't know                    |      |        |           |
|               |               |  | .r                | Refused                       |      |        |           |
|               |               |  | .s                | Appropriate skip              |      |        |           |
| D0200         | D0200C        | Disability - Transportation operators not trained to accommodate condition | 1                 | Yes                           | Num  | 8      | YESNO     |
|               |               |  | 2                 | No                            |      |        |           |
|               |               |  | .d                | Don't know                    |      |        |           |
|               |               |  | .r                | Refused                       |      |        |           |
|               |               |  | .s                | Appropriate skip              |      |        |           |
| D0200         | D0200D        | Disability - Crowded conditions on transportation                          | 1                 | Yes                           | Num  | 8      | YESNO     |
|               |               |  | 2                 | No                            |      |        |           |
|               |               |  | .d                | Don't know                    |      |        |           |
|               |               |  | .r                | Refused                       |      |        |           |
|               |               |  | .s                | Appropriate skip              |      |        |           |
| D0200         | D0200E        | Disability - Other   | 1                 | Yes                           | Num  | 8      | YESNO     |
|               |               |  | 2                 | No                            |      |        |           |
|               |               |  | .d                | Don't know                    |      |        |           |
|               |               |  | .r                | Refused                       |      |        |           |
|               |               |  | .s                | Appropriate skip              |      |        |           |
| D0200         | D0200F        | Disability - Other - Specify   | Text              | Verbatim response             | Char | 8      | \$TEXTVAR |

| Question Code | Variable Name | Variable Label                           | Response Category | Response Category Description | Type | Length | Format |
|---------------|---------------|--|-------------------|-------------------------------|------|--------|--------|
|               |               |  | .s                | Appropriate skip              |      |        |        |
| D0250         | D0250         | Nb of People +18 in HH                   |                   | _____ people                  | Num  | 8      | BEST   |
|               |               |  | .d                | Don't know                    |      |        |        |
|               |               |  | .r                | Refused                       |      |        |        |
| D0300         | D0300         | Age Category                             | 1                 | 18 to 24 years                | Num  | 8      | AGE    |
|               |               |  | 2                 | 25 to 34                      |      |        |        |
|               |               |  | 3                 | 35 to 44                      |      |        |        |
|               |               |  | 4                 | 45 to 54                      |      |        |        |
|               |               |  | 5                 | 55 to 64                      |      |        |        |
|               |               |  | 6                 | 65 to 74                      |      |        |        |
|               |               |  | 7                 | 75 or older                   |      |        |        |
|               |               |  | .d                | Don't know                    |      |        |        |
|               |               |  | .r                | Refused                       |      |        |        |
| D0350         | D0350         | Gender                                   | 1                 | Male                          | Num  | 8      | GENDER |
|               |               |  | 2                 | Female                        |      |        |        |
|               |               |  | .d                | Don't know                    |      |        |        |
|               |               |  | .r                | Refused                       |      |        |        |
| D0400         | D0400A        | Group - American Indian or Alaska Native | 1                 | Yes                           | Num  | 8      | YESNO  |
|               |               |  | 2                 | No                            |      |        |        |
|               |               |  | .d                | Don't know                    |      |        |        |
|               |               |  | .r                | Refused                       |      |        |        |
| D0400         | D0400B        | Group - Asian                            | 1                 | Yes                           | Num  | 8      | YESNO  |
|               |               |  | 2                 | No                            |      |        |        |
|               |               |  | .d                | Don't know                    |      |        |        |
|               |               |  | .r                | Refused                       |      |        |        |
| D0400         | D0400C        | Group - Black or African-American        | 1                 | Yes                           | Num  | 8      | YESNO  |
|               |               |  | 2                 | No                            |      |        |        |
|               |               |  | .d                | Don't know                    |      |        |        |

| Question Code | Variable Name | Variable Label                                    | Response Category | Response Category Description  | Type | Length | Format    |
|---------------|---------------|---|-------------------|--|------|--------|-----------|
|               |               |   | .r                | Refused  |      |        |           |
| D0400         | D0400D        | Group - Hispanic or Latino                        | 1                 | Yes  | Num  | 8      | YESNO     |
|               |               |   | 2                 | No   |      |        |           |
|               |               |   | .d                | Don't know   |      |        |           |
|               |               |   | .r                | Refused  |      |        |           |
| D0400         | D0400E        | Group - Native Hawaiian or other Pacific Islander | 1                 | Yes  | Num  | 8      | YESNO     |
|               |               |   | 2                 | No   |      |        |           |
|               |               |   | .d                | Don't know   |      |        |           |
|               |               |   | .r                | Refused  |      |        |           |
| D0400         | D0400F        | Group - White (Caucasian, Anglo)                  | 1                 | Yes  | Num  | 8      | YESNO     |
|               |               |   | 2                 | No   |      |        |           |
|               |               |   | .d                | Don't know   |      |        |           |
|               |               |   | .r                | Refused  |      |        |           |
| D0400         | D0400G        | Group - Other                                     | 1                 | Yes  | Num  | 8      | YESNO     |
|               |               |   | 2                 | No   |      |        |           |
|               |               |   | .d                | Don't know   |      |        |           |
|               |               |   | .r                | Refused  |      |        |           |
| D0400         | D0400H        | Group - Other - Specify                           | Text              | Verbatim response  | Char | 8      | \$TEXTVAR |
|               |               |   | .s                | Appropriate skip   |      |        |           |
| D0450         | D0450         | Education Level                                   | 1                 | Less than high school graduate   | Num  | 8      | EDUC      |
|               |               |   | 2                 | High school graduate (or GED)  |      |        |           |
|               |               |   | 3                 | Some college (or technical vocational school/professional business school) |      |        |           |
|               |               |   | 4                 | Two-year college degree (AA: Associate in Arts)                            |      |        |           |
|               |               |   | 5                 | Four-year college degree (BA or BS: Bachelor of Arts of Science degree)    |      |        |           |
|               |               |   | 6                 | Graduate degree (Masters, PhD., Lawyer, Medical Doctor)                    |      |        |           |

| Question Code | Variable Name | Variable Label                       | Response Category | Response Category Description        | Type | Length | Format   |
|---------------|---------------|--------------------------------------|-------------------|--------------------------------------|------|--------|----------|
|               |               |                                      | .d                | Don't know                           |      |        |          |
|               |               |                                      | .r                | Refused                              |      |        |          |
|               |               |                                      |                   |                                      |      |        |          |
| D0500         | D0500         | HH Income                            | 1                 | Under \$15,000                       | Num  | 8      | INCOME   |
|               |               |                                      | 2                 | From \$15,000 to \$29,000 (\$29,999) |      |        |          |
|               |               |                                      | 3                 | From \$30,000 to \$49,000 (\$49,999) |      |        |          |
|               |               |                                      | 4                 | From \$50,000 to \$74,000 (\$74,999) |      |        |          |
|               |               |                                      | 5                 | From \$75,000 to \$99,000 (\$99,999) |      |        |          |
|               |               |                                      | 6                 | \$100,000 or more                    |      |        |          |
|               |               |                                      | .d                | Don't know                           |      |        |          |
|               |               |                                      | .r                | Refused                              |      |        |          |
|               |               |                                      |                   |                                      |      |        |          |
| D0550         | D0550         | Additional Phone Lines               | 1                 | Yes                                  | Num  | 8      | YESNO    |
|               |               |                                      | 2                 | No                                   |      |        |          |
|               |               |                                      | .d                | Don't know                           |      |        |          |
|               |               |                                      | .r                | Refused                              |      |        |          |
|               |               |                                      |                   |                                      |      |        |          |
| D0700         | D0700         | Additional Phone Lines - Number      | 1                 | One                                  | Num  | 8      | ADDPHONE |
|               |               |                                      | 2                 | Two                                  |      |        |          |
|               |               |                                      | 3                 | Three                                |      |        |          |
|               |               |                                      | 4                 | Four or more                         |      |        |          |
|               |               |                                      | .d                | Don't know                           |      |        |          |
|               |               |                                      | .r                | Refused                              |      |        |          |
|               |               |                                      | .s                | Appropriate skip                     |      |        |          |
|               |               |                                      |                   |                                      |      |        |          |
| D0750         | D0750         | Additional Phone Lines - Primary Use | 1                 | Household use only                   | Num  | 8      | ADPHOUSE |
|               |               |                                      | 2                 | Business use only                    |      |        |          |
|               |               |                                      | 3                 | Both household and business use      |      |        |          |
|               |               |                                      | .d                | Don't know                           |      |        |          |
|               |               |                                      | .r                | Refused                              |      |        |          |
|               |               |                                      | .s                | Appropriate skip                     |      |        |          |
|               |               |                                      |                   |                                      |      |        |          |
|               | BASEWGT       | Base Weight                          |                   |                                      | Num  | 8      | BEST     |
|               | NR_FACT       | Nonresponse Adjustment Factor        |                   |                                      | Num  | 8      | BEST     |

| Question Code | Variable Name | Variable Label                           | Response Category | Response Category Description | Type | Length | Format |
|---------------|---------------|--|-------------------|-------------------------------|------|--------|--------|
|               | PER_FACT      | Adjustment for Nb of Eligible HH Members |                   |                               | Num  | 8      | BEST   |
|               | PHN_FACT      | Multiple Phone Lines Adjustment Factor   |                   |                               | Num  | 8      | BEST   |
|               | CEN_FACT      | Census Population Adjustment Factor      |                   |                               | Num  | 8      | BEST   |
|               | WD_FACT       | Weighted Deflation Adjustment Factor     |                   |                               | Num  | 8      | BEST   |
|               | FNLWGT        | Final Weight                             |                   |                               | Num  | 8      | BEST   |

---

## APPENDIX C: SAS FORMATS LIBRARY

---

```
PROC FORMAT cntlout=fmtout;
```

```
value fornum  
  .d='Do not know'  
  .r='Refused'  
  .s='Appropriate skip';
```

```
value yesno  
  1='Yes'  
  2='No'  
  .d='Do not know'  
  .r='Refused'  
  .s='Appropriate skip';
```

```
value noptwhy  
  1='Prefer my own vehicle'  
  2='I am retired/not working/not in school'  
  3='Need to make multiple stops to/from work/school'  
  4='No public transit available in the local area'  
  5='Do not understand/know routes and schedules'  
  6='Not convenient'  
  7='Not flexible'  
  8='Takes too much time'  
  9='Distance from home to stops is too great'  
  10='Uncomfortable riding with strangers'  
  11='Costs too much'  
  12='Unreliable'  
  13='Unsafe'  
  14='Other'  
  .d='Do not know'  
  .r='Refused'  
  .s='Appropriate skip';
```

```
value daysuse  
  1='1-2 days'  
  2='3-10 days'  
  3='11-19 days'  
  4='20 days or more'  
  .d='Do not know'  
  .r='Refused'  
  .s='Appropriate skip';
```

```
value comwhy  
  1='Commuting to work or school'  
  2='Recreation'  
  3='Exercise'  
  4='Personal errands'  
  5='Some other purpose'  
  .d='Do not know'  
  .r='Refused'  
  .s='Appropriate skip';
```

```
value roadtype
```



```

1='Paved roads'
2='Shoulders of paved roads'
3='Bike lanes on roads'
4='Sidewalks'
5='Bike paths'
6='Unpaved roads'
7='Grass'
8='Other'
.d='Do not know'
.r='Refused'
.s='Appropriate skip';

value accitran
1='Personal vehicle'
2='Organized carpool or vanpool'
3='City-to-city bus'
4='City-to-city train'
5='Public transit within city or metropolitan area'
6='Commercial airplane'
7='Charter, private or corporate airplane'
8='Motorcycle, including motorized scooter or motorized bicycle'
9='Bicycle'
10='Walking, running, or jogging'
11='Commercial boat, ship or ferry'
12='Personal watercraft'
13='Recreational boat'
14='Skates, skateboards, scooters without engines'
15='Other'
.d='Do not know'
.r='Refused'
.s='Appropriate skip';

value dayscomu
1='29-31 days/month'
2='22-28 days/month'
3='15-21 days/month'
4='8-14 days/month'
5='1-7 days/month'
.d='Do not know'
.r='Refused'
.s='Appropriate skip';

value comuwher
1='To work'
2='To school'
3='Both to work and to school'
.d='Do not know'
.r='Refused'
.s='Appropriate skip';

value comurout
1='You go to work and to school on different days'
2='You go to work, then directly to school'
3='You go to work, then home, then to school'
4='You go to school, then directly to work'
5='You go to school, then home, then to work'

```

```

6='Something else'
.d='Do not know'
.r='Refused'
.s='Appropriate skip';

value opinion
1='To no extent'
2='To a little extent'
3='To some extent'
4='To a great extent'
5='To a very great extent'
6='N/A'
.d='Do not know'
.r='Refused'
.s='Appropriate skip';

value yesnogov
1='Yes'
2='No'
3='Do not remember'
.d='Do not know'
.r='Refused';

value govwhy
1='Obtain information'
2='Lodge a complaint'
3='Report a problem, violation, or accident'
4='Order/obtain a product'
5='Apply for/inquire about employment'
6='Other'
.d='Do not know'
.r='Refused'
.s='Appropriate skip';

value govname
1='Bureau of Transportation Statistics (BTS)'
2='Congress (United States Senate or House of Representatives)'
3='Federal Aviation Administration (FAA)'
4='Federal Railroad Administration (FRA)'
5='Federal Motor Carrier Safety Administration (FMCSA)'
6='Federal Transit Administration (FTA)'
7='Federal Highway Administration (FHWA)'
8='Maritime Administration (MARAD)'
9='National Highway Traffic Safety Administration (NHTSA)'
10='Research and Special Programs Administration (RSPA)'
11='Secretary of the US Department of Transportation (OST)'
12='St. Lawrence Seaway Development Corporation'
13='United States Coast Guard'
14='State Department of Motor Vehicles (DMV, MVA)'
15='City, County, Township or Parish Government Office'
16='County or Local Police, Sheriff'
17='Public Transit Agency'
18='State Department of Transportation (State DOT)'
19='State Legislature (State Senate, Delegates, Representatives)'
20='State Police, State Patrol, Highway Patrol'
21='Some Other Agency'

```

```

22='Do not know/do not remember'
.r='Refused'
.s='Appropriate skip';

value age
1='18 to 24 years'
2='25 to 34'
3='35 to 44'
4='45 to 54'
5='55 to 64'
6='65 to 74'
7='75 or older'
.d='Do not know'
.r='Refused';

value gender
1='Male'
2='Female'
.d='Do not know'
.r='Refused';

value educ
1='Less than high school graduate'
2='High school graduate'
3='Some college'
4='Two-year college degree'
5='Four-year college degree'
6='Graduate degree'
.d='Do not know'
.r='Refused';

value income
1='Under $15,000'
2='From $15,000 to $29,000'
3='From $30,000 to $49,000'
4='From $50,000 to $74,000'
5='From $75,000 to $99,000'
6='$100,000 or more'
.d='Do not know'
.r='Refused';

value addphone
1='One'
2='Two'
3='Three'
4='Four or more'
.d='Do not know'
.r='Refused'
.s='Appropriate skip';

value adphouse
1='Household use only'
2='Business use only'
3='Both household and business use'
.d='Do not know'
.r='Refused'

```

```

        .s='Appropriate skip';

value censreg
    1 = 'Northeast'
    2 = 'Midwest'
    3 = 'South'
    4 = 'West';

value censdiv
    1 = 'New England'
    2 = 'Middle Atlantic'
    3 = 'East North Central'
    4 = 'West North Central'
    5 = 'South Atlantic'
    6 = 'East South Central'
    7 = 'West South Central'
    8 = 'Mountain'
    9 = 'Pacific';

value metroin
    1 = 'Inside an MSA'
    2 = 'Outside and MSA';

value $tzone
    "C" = "Central time"
    "E" = "Eastern time"
    "M" = "Mountain time"
    "P" = "Pacific time";

RUN;

```

## APPENDIX D: FREQUENCY TABLES

| Code  | Questionnaire Item   | Unweighted Count/Value | Weighted Count/Value | Weighted Percentage (Std. Error) |
|---|--|------------------------|----------------------|----------------------------------|
| Section G – General Transportation Core Questions |  |                        |                      |                                  |
| G0100   | During July, did you drive a <u>personal vehicle</u> ?                         |                        |                      |                                  |
|   | Yes  | 906                    | 180,101,870          | 90 (1.18)                        |
|   | No   | 98                     | 20,604,830           | 10 (1.18)                        |
|   | Subtotal valid responses   | 1,004                  | 200,706,700          | 100                              |
|   | Don't know   | 0                      | 0                    |                                  |
|   | Refused  | 0                      | 0                    |                                  |
|   | Total  | 1,004                  | 200,706,700          |                                  |
|   |  |                        |                      |                                  |
| G0850A  | Altogether, would you say that you did this on approximately:                  |                        |                      |                                  |
|   | 1-2 days   | 16                     | 2,875,414            | 1 (0.42)                         |
|   | 3-10 days  | 78                     | 15,581,436           | 9 (1.10)                         |
|   | 11-19 days   | 75                     | 15,578,189           | 9 (1.12)                         |
|   | 20 days or more  | 736                    | 146,024,738          | 81 (1.52)                        |
|   | Subtotal valid responses   | 905                    | 180,059,777          | 100                              |
|   | Don't know   | 1                      | 42,093               |                                  |
|   | Refused  | 0                      | 0                    |                                  |
|   | Appropriate skip   | 98                     | 20,604,830           |                                  |
|   | Total  | 1,004                  | 200,706,700          |                                  |
|   |  |                        |                      |                                  |
| G0150   | During July, did you drive or ride in an <u>organized carpool or vanpool</u> ? |                        |                      |                                  |
|   | Yes  | 72                     | 17,943,968           | 9 (1.15)                         |
|   | No   | 931                    | 182,592,008          | 91 (1.15)                        |
|   | Subtotal valid responses   | 1,003                  | 200,535,976          | 100                              |
|   | Don't know   | 1                      | 170,724              |                                  |
|   | Refused  | 0                      | 0                    |                                  |
|   | Total  | 1,004                  | 200,706,700          |                                  |
|   |  |                        |                      |                                  |
| G0850B  | Altogether, would you say that you did this on approximately:                  |                        |                      |                                  |
|   | 1-2 days   | 22                     | 4,918,621            | 29 (6.07)                        |
|   | 3-10 days  | 21                     | 5,665,552            | 33 (6.66)                        |
|   | 11-19 days   | 10                     | 2,437,334            | 14 (4.97)                        |
|   | 20 days or more  | 16                     | 4,079,900            | 24 (6.10)                        |
|   | Subtotal valid responses   | 69                     | 17,101,407           | 100                              |
|   | Don't know   | 1                      | 400,467              |                                  |
|   | Refused  | 2                      | 442,093              |                                  |
|   | Appropriate skip   | 932                    | 182,762,732          |                                  |
|   | Total  | 1,004                  | 200,706,700          |                                  |

| Code   | Questionnaire Item  | Unweighted Count/Value | Weighted Count/Value | Weighted Percentage (Std. Error) |
|--------|---|------------------------|----------------------|----------------------------------|
| G0200  | <b>During July, did you ride on a city-to-city <u>bus</u>?</b>  |                        |                      |                                  |
|        | Yes   | 60                     | 13,030,605           | 7 (0.99)                         |
|        | No  | 942                    | 187,446,643          | 93 (0.99)                        |
|        | Subtotal valid responses  | 1,002                  | 200,477,248          | 100                              |
|        | Don't know  | 2                      | 229,452              |                                  |
|        | Refused   | 0                      | 0                    |                                  |
|        | Total   | 1,004                  | 200,706,700          |                                  |
|        |   |                        |                      |                                  |
| G0850C | <b>Altogether, would you say that you did this on approximately:</b>  |                        |                      |                                  |
|        | 1-2 days  | 27                     | 6,279,870            | 49 (8.17)                        |
|        | 3-10 days   | 14                     | 2,893,515            | 23 (6.66)                        |
|        | 11-19 days  | 7                      | 1,628,831            | 13 (5.41)                        |
|        | 20 days or more   | 10                     | 1,877,573            | 15 (5.12)                        |
|        | Subtotal valid responses  | 58                     | 12,679,790           | 100                              |
|        | Don't know  | 2                      | 350,815              |                                  |
|        | Refused   | 0                      | 0                    |                                  |
|        | Appropriate skip  | 944                    | 187,676,095          |                                  |
|        | Total   | 1,004                  | 200,706,700          |                                  |
|        |   |                        |                      |                                  |
| G0900A | <b>And of <u>these days</u>, on how many were you away from home on travel for your business or your job?</b> |                        |                      |                                  |
|        | Count   | 57                     | 12,609,643           |                                  |
|        | Mean  | 0.614035               | 0.972455             |                                  |
|        | Standard deviation  | 2.297160               | 0.57                 |                                  |
|        | Minimum   | 0                      | 0                    |                                  |
|        | 25th percentile   | 0                      | 0                    |                                  |
|        | Median  | 0                      | 0                    |                                  |
|        | 75th percentile   | 0                      | 0                    |                                  |
|        | Maximum   | 15                     | 15                   |                                  |
|        |   |                        |                      |                                  |
| G0250  | <b>During July, did you ride a city-to-city <u>train</u>?</b>   |                        |                      |                                  |
|        | Yes   | 50                     | 11,450,444           | 6 (0.92)                         |
|        | No  | 954                    | 189,256,256          | 94 (0.93)                        |
|        | Subtotal valid responses  | 1,004                  | 200,706,700          | 100                              |
|        | Don't know  | 0                      | 0                    |                                  |
|        | Refused   | 0                      | 0                    |                                  |
|        | Total   | 1,004                  | 200,706,700          |                                  |

| Code   | Questionnaire Item  | Unweighted Count/Value | Weighted Count/Value | Weighted Percentage (Std. Error) |
|--------|---|------------------------|----------------------|----------------------------------|
| G0850D | <b>Altogether, would you say that you did this on approximately:</b>  |                        |                      |                                  |
|        | 1-2 days  | 25                     | 5,160,574            | 47 (8.62)                        |
|        | 3-10 days   | 13                     | 3,483,809            | 31 (8.69)                        |
|        | 11-19 days  | 3                      | 737,833              | 7 (3.8)                          |
|        | 20 days or more   | 7                      | 1,685,884            | 15 (6.25)                        |
|        | Subtotal valid responses  | 48                     | 11,068,100           | 100                              |
|        | Don't know  | 1                      | 40,093               |                                  |
|        | Refused   | 1                      | 342,251              |                                  |
|        | Appropriate skip  | 954                    | 189,256,256          |                                  |
|        | Total   | 1,004                  | 200,706,700          |                                  |
|        |   |                        |                      |                                  |
| G0900B | <b>And of <u>these days</u>, on how many were you away from home on travel for your business or your job?</b> |                        |                      |                                  |
|        | Count   | 48                     | 11,068,101           |                                  |
|        | Mean  | 1.354167               | 1.455642             |                                  |
|        | Standard deviation  | 3.710191               | 0.67                 |                                  |
|        | Minimum   | 0                      | 0                    |                                  |
|        | 25th percentile   | 0                      | 0                    |                                  |
|        | Median  | 0                      | 0                    |                                  |
|        | 75th percentile   | 0                      | 0                    |                                  |
|        | Maximum   | 20                     | 20                   |                                  |
|        |   |                        |                      |                                  |
| G0300  | <b>During July, did you ride on any <u>public transit</u> within city or metropolitan area?</b>               |                        |                      |                                  |
|        | Yes   | 147                    | 33,171,483           | 17 (1.43)                        |
|        | No  | 857                    | 167,535,217          | 83 (1.43)                        |
|        | Subtotal valid responses  | 1,004                  | 200,706,700          | 100                              |
|        | Don't know  | 0                      | 0                    |                                  |
|        | Refused   | 0                      | 0                    |                                  |
|        | Total   | 1,004                  | 200,706,700          |                                  |

| Code   | Questionnaire Item   | Unweighted Count/Value | Weighted Count/Value | Weighted Percentage (Std. Error) |
|--------|--|------------------------|----------------------|----------------------------------|
| G0800A | <b>You said you did not use public transit last month. Please tell me the <u>main</u> reason you did not use it.</b> |                        |                      |                                  |
|        | Prefer my own vehicle  | 366                    | 75,204,603           | 45 (1.95)                        |
|        | I am retired/not working/not in school   | 20                     | 3,215,155            | 2 (0.47)                         |
|        | Need to make multiple stops to/from work/school  | 2                      | 1,010,259            | 1 (0.46)                         |
|        | No public transit available in the local area  | 238                    | 43,446,310           | 26 (1.62)                        |
|        | Don't understand/know routes and schedules   | 12                     | 2,388,348            | 1 (0.44)                         |
|        | Not convenient (doesn't go where I need to)  | 93                     | 19,056,520           | 11 (1.26)                        |
|        | Not flexible (doesn't go when I need to)   | 14                     | 2,737,031            | 2 (0.48)                         |
|        | Takes too much time  | 6                      | 1,254,569            | 1 (0.32)                         |
|        | Distance from home to stops is too great   | 7                      | 1,471,438            | 1 (0.36)                         |
|        | Uncomfortable riding with strangers  | 1                      | 260,653              | 0 (0.16)                         |
|        | Costs too much   | 2                      | 290,639              | 0 (0.13)                         |
|        | Unreliable   | 0                      | 0                    | 0 (0.00)                         |
|        | Unsafe   | 0                      | 0                    | 0 (0.00)                         |
|        | Other  | 91                     | 16,201,933           | 10 (1.15)                        |
|        | Subtotal valid responses   | 852                    | 166,537,458          | 100                              |
|        | Don't know   | 2                      | 438,638              |                                  |
|        | Refused  | 3                      | 559,121              |                                  |
|        | Appropriate skip   | 147                    | 33,171,483           |                                  |
|        | Total  | 1,004                  | 200,706,700          |                                  |
|        |  |                        |                      |                                  |
| G0850E | <b>You said you used public transit last month. Altogether, would you say that you did this on approximately:</b>    |                        |                      |                                  |
|        | 1-2 days   | 58                     | 12,195,011           | 38 (4.75)                        |
|        | 3-10 days  | 38                     | 9,148,955            | 28 (4.61)                        |
|        | 11-19 days   | 14                     | 3,327,989            | 10 (2.96)                        |
|        | 20 days or more  | 35                     | 7,894,973            | 24 (4.30)                        |
|        | Subtotal valid responses   | 145                    | 32,566,928           | 100                              |
|        | Don't know   | 2                      | 604,555              |                                  |
|        | Refused  | 0                      | 0                    |                                  |
|        | Appropriate skip   | 857                    | 167,535,217          |                                  |
|        | Total  | 1,004                  | 200,706,700          |                                  |
|        |  |                        |                      |                                  |
| G0900C | <b>And of <u>these days</u>, on how many were you away from home on travel for your business or your job?</b>        |                        |                      |                                  |
|        | Count  | 143                    | 32,101,933           |                                  |
|        | Mean   | 0.937063               | 1.034720             |                                  |
|        | Standard deviation   | 3.097516               | 0.30                 |                                  |
|        | Minimum  | 0                      | 0                    |                                  |
|        | 25th percentile  | 0                      | 0                    |                                  |
|        | Median   | 0                      | 0                    |                                  |
|        | 75th percentile  | 0                      | 0                    |                                  |
|        | Maximum  | 20                     | 20                   |                                  |



| Code   | Questionnaire Item  | Unweighted Count/Value | Weighted Count/Value | Weighted Percentage (Std. Error) |
|--------|---|------------------------|----------------------|----------------------------------|
| G0350  | <b>During July, did you fly on a <u>commercial</u> airplane?</b>  |                        |                      |                                  |
|        | Yes   | 144                    | 28,075,998           | 14 (1.27)                        |
|        | No  | 860                    | 172,630,702          | 86 (1.27)                        |
|        | Subtotal valid responses  | 1,004                  | 200,706,700          | 100                              |
|        | Don't know  | 0                      | 0                    |                                  |
|        | Refused   | 0                      | 0                    |                                  |
|        | Total   | 1,004                  | 200,706,700          |                                  |
|        |   |                        |                      |                                  |
| G0850F | <b>Altogether, would you say that you did this on approximately:</b>  |                        |                      |                                  |
|        | 1-2 days  | 94                     | 18,905,927           | 69 (4.49)                        |
|        | 3-10 days   | 44                     | 7,854,427            | 29 (4.40)                        |
|        | 11-19 days  | 3                      | 600,016              | 2 (1.32)                         |
|        | 20 days or more   | 0                      | 0                    | 0 (0.00)                         |
|        | Subtotal valid responses  | 141                    | 27,360,370           | 100                              |
|        | Don't know  | 2                      | 650,138              |                                  |
|        | Refused   | 1                      | 65,491               |                                  |
|        | Appropriate skip  | 860                    | 172,630,702          |                                  |
|        | Total   | 1,004                  | 200,706,700          |                                  |
|        |   |                        |                      |                                  |
| G0900D | <b>And of <u>these days</u>, on how many were you away from home on travel for your business or your job?</b> |                        |                      |                                  |
|        | Count   | 139                    | 27,050,497           |                                  |
|        | Mean  | 1.625899               | 1.711116             |                                  |
|        | Standard deviation  | 2.857163               | 0.32                 |                                  |
|        | Minimum   | 0                      | 0                    |                                  |
|        | 25th percentile   | 0                      | 0                    |                                  |
|        | Median  | 0                      | 0                    |                                  |
|        | 75th percentile   | 2                      | 2                    |                                  |
|        | Maximum   | 19                     | 19                   |                                  |
|        |   |                        |                      |                                  |
| G0400  | <b>During July, did you fly on a <u>charter, private, or corporate</u> airplane?</b>                          |                        |                      |                                  |
|        | Yes   | 19                     | 3,637,859            | 2 (0.52)                         |
|        | No  | 985                    | 197,068,841          | 98 (0.52)                        |
|        | Subtotal valid responses  | 1,004                  | 200,706,700          | 100                              |
|        | Don't know  | 0                      | 0                    |                                  |
|        | Refused   | 0                      | 0                    |                                  |
|        | Total   | 1,004                  | 200,706,700          |                                  |

| Code   | Questionnaire Item  | Unweighted Count/Value | Weighted Count/Value | Weighted Percentage (Std. Error) |
|--------|---|------------------------|----------------------|----------------------------------|
| G0850G | <b>Altogether, would you say that you did this on approximately:</b>  |                        |                      |                                  |
|        | 1-2 days  | 17                     | 3,310,752            | 97 (3.01)                        |
|        | 3-10 days   | 1                      | 101,151              | 3 (3.01)                         |
|        | 11-19 days  | 0                      | 0                    | 0 (0.00)                         |
|        | 20 days or more   | 0                      | 0                    | 0 (0.00)                         |
|        | Subtotal valid responses  | 18                     | 3,411,903            | 100                              |
|        | Don't know  | 0                      | 0                    |                                  |
|        | Refused   | 1                      | 225,956              |                                  |
|        | Appropriate skip  | 985                    | 197,068,841          |                                  |
|        | Total   | 1,004                  | 200,706,700          |                                  |
|        |   |                        |                      |                                  |
| G0900E | <b>And of <u>these days</u>, on how many were you away from home on travel for your business or your job?</b> |                        |                      |                                  |
|        | Count   | 18                     | 3,411,903            |                                  |
|        | Mean  | 0.611111               | 0.850657             |                                  |
|        | Standard deviation  | 1.144752               | 0.32                 |                                  |
|        | Minimum   | 0                      | 0                    |                                  |
|        | 25th percentile   | 0                      | 0                    |                                  |
|        | Median  | 0                      | 0                    |                                  |
|        | 75th percentile   | 1                      | 2                    |                                  |
|        | Maximum   | 4                      | 4                    |                                  |
|        |   |                        |                      |                                  |
| G0450  | <b>During July, did you drive a <u>motorcycle</u>, including a motorized scooter or motorized bicycle?</b>    |                        |                      |                                  |
|        | Yes   | 68                     | 13,816,348           | 7 (0.91)                         |
|        | No  | 936                    | 186,890,352          | 93 (0.91)                        |
|        | Subtotal valid responses  | 1,004                  | 200,706,700          | 100                              |
|        | Don't know  | 0                      | 0                    |                                  |
|        | Refused   | 0                      | 0                    |                                  |
|        | Total   | 1,004                  | 200,706,700          |                                  |
|        |   |                        |                      |                                  |
| G0850H | <b>Altogether, would you say that you did this on approximately:</b>  |                        |                      |                                  |
|        | 1-2 days  | 26                     | 6,180,669            | 45 (7.04)                        |
|        | 3-10 days   | 24                     | 4,719,276            | 35 (6.47)                        |
|        | 11-19 days  | 10                     | 1,610,990            | 12 (3.90)                        |
|        | 20 days or more   | 7                      | 1,070,451            | 8 (3.24)                         |
|        | Subtotal valid responses  | 67                     | 13,581,386           | 100                              |
|        | Don't know  | 1                      | 234,962              |                                  |
|        | Refused   | 0                      | 0                    |                                  |
|        | Appropriate skip  | 936                    | 186,890,352          |                                  |
|        | Total   | 1,004                  | 200,706,700          |                                  |

| Code   | Questionnaire Item  | Unweighted Count/Value | Weighted Count/Value | Weighted Percentage (Std. Error) |
|--------|---|------------------------|----------------------|----------------------------------|
| G0500  | <b>During July, did you ride a <u>bicycle</u>?</b>                        |                        |                      |                                  |
|        | Yes   | 236                    | 49,408,453           | 25 (1.58)                        |
|        | No  | 768                    | 151,298,247          | 75 (1.58)                        |
|        | Subtotal valid responses  | 1,004                  | 200,706,700          | 100                              |
|        | Don't know  | 0                      | 0                    |                                  |
|        | Refused   | 0                      | 0                    |                                  |
|        | Total   | 1,004                  | 200,706,700          |                                  |
|        |   |                        |                      |                                  |
| G0850I | <b>Altogether, would you say that you did this on approximately:</b>      |                        |                      |                                  |
|        | 1-2 days  | 79                     | 15,546,260           | 31 (3.32)                        |
|        | 3-10 days   | 100                    | 20,600,119           | 42 (3.67)                        |
|        | 11-19 days  | 36                     | 7,972,153            | 16 (2.86)                        |
|        | 20 days or more   | 21                     | 5,289,919            | 11 (2.52)                        |
|        | Subtotal valid responses  | 236                    | 49,408,453           | 100                              |
|        | Don't know  | 0                      | 0                    |                                  |
|        | Refused   | 0                      | 0                    |                                  |
|        | Appropriate skip  | 768                    | 151,298,247          |                                  |
|        | Total   | 1,004                  | 200,706,700          |                                  |
|        |   |                        |                      |                                  |
| G950A  | <b><u>Primarily</u> for what purpose did you use it?</b>                  |                        |                      |                                  |
|        | Commuting to work or school   | 13                     | 3,620,485            | 8 (2.38)                         |
|        | Recreation  | 126                    | 26,713,056           | 54 (3.72)                        |
|        | Exercise  | 79                     | 15,347,074           | 31 (3.34)                        |
|        | Personal errands  | 12                     | 2,635,967            | 5 (1.68)                         |
|        | Some other purpose  | 6                      | 1,091,871            | 2 (0.92)                         |
|        | Subtotal valid responses  | 236                    | 49,408,453           | 100                              |
|        | Don't know  | 0                      | 0                    |                                  |
|        | Refused   | 0                      | 0                    |                                  |
|        | Appropriate skip  | 768                    | 151,298,247          |                                  |
|        | Total   | 1,004                  | 200,706,700          |                                  |
|        |   |                        |                      |                                  |
| G1000  | <b>And on a typical day, about how much time did you spend bicycling?</b> |                        |                      |                                  |
|        | Count   | 234                    | 48,710,664           |                                  |
|        | Mean  | 0.901140               | 0.923879             |                                  |
|        | Standard deviation  | 0.844326               | 0.06                 |                                  |
|        | Minimum   | 0.033333               | 0.033333             |                                  |
|        | 25th percentile   | 0.5                    | 0.5                  |                                  |
|        | Median  | 0.666667               | 1                    |                                  |
|        | 75th percentile   | 1                      | 1                    |                                  |
|        | Maximum   | 6                      | 6                    |                                  |

| Code   | Questionnaire Item   | Unweighted Count/Value | Weighted Count/Value | Weighted Percentage (Std. Error) |
|--------|--|------------------------|----------------------|----------------------------------|
| G1050A | <b>Did you bicycle mostly on:</b>  |                        |                      |                                  |
|        | Paved roads  | 123                    | 24,025,966           | 49 (3.72)                        |
|        | Shoulders of paved roads   | 9                      | 1,727,291            | 4 (1.18)                         |
|        | Bike lanes on roads  | 11                     | 1,950,967            | 4 (1.42)                         |
|        | Sidewalks  | 34                     | 8,744,899            | 18 (3.14)                        |
|        | Bike paths   | 33                     | 6,983,621            | 14 (2.52)                        |
|        | Unpaved roads  | 14                     | 3,452,439            | 7 (2.05)                         |
|        | Grass  | 2                      | 290,225              | 0 (0.42)                         |
|        | Other  | 9                      | 2,041,699            | 4 (1.72)                         |
|        | Subtotal valid responses   | 235                    | 49,217,107           | 100                              |
|        | Don't know   | 0                      | 0                    |                                  |
|        | Refused  | 1                      | 191,346              |                                  |
|        | Appropriate skip   | 768                    | 151,298,247          |                                  |
|        | Total  | 1,004                  | 200,706,700          |                                  |
|        |  |                        |                      |                                  |
| G0550  | <b>During July, did you <u>walk, run, or jog</u> at least one time outside for 10 minutes or more?</b> |                        |                      |                                  |
|        | Yes  | 764                    | 152,567,572          | 76 (1.55)                        |
|        | No   | 239                    | 47,983,294           | 24 (1.55)                        |
|        | Subtotal valid responses   | 1,003                  | 200,550,866          | 100                              |
|        | Don't know   | 0                      | 0                    |                                  |
|        | Refused  | 1                      | 155,834              |                                  |
|        | Total  | 1,004                  | 200,706,700          |                                  |
|        |  |                        |                      |                                  |
| G0850J | <b>Altogether, would you say that you did this on approximately:</b>                                   |                        |                      |                                  |
|        | 1-2 days   | 104                    | 21,947,613           | 14 (1.55)                        |
|        | 3-10 days  | 259                    | 52,598,146           | 35 (2.01)                        |
|        | 11-19 days   | 148                    | 28,617,946           | 19 (1.59)                        |
|        | 20 days or more  | 249                    | 48,620,230           | 32 (1.95)                        |
|        | Subtotal valid responses   | 760                    | 151,783,935          | 100                              |
|        | Don't know   | 3                      | 688,689              |                                  |
|        | Refused  | 1                      | 94,948               |                                  |
|        | Appropriate skip   | 240                    | 48,139,128           |                                  |
|        | Total  | 1,004                  | 200,706,700          |                                  |
|        |  |                        |                      |                                  |

| Code   | Questionnaire Item   | Unweighted Count/Value | Weighted Count/Value | Weighted Percentage (Std. Error) |
|--------|--|------------------------|----------------------|----------------------------------|
| G1100A | <b>Primarily for what purpose did you walk, run, or jog?</b>                                 |                        |                      |                                  |
|        | Commuting to work or school  | 37                     | 8,086,316            | 5 (1.01)                         |
|        | Recreation   | 128                    | 26,646,862           | 18 (1.60)                        |
|        | Exercise   | 446                    | 87,240,687           | 58 (2.08)                        |
|        | Personal errands   | 89                     | 18,942,319           | 12 (1.40)                        |
|        | Some other purpose   | 58                     | 10,594,665           | 7 (0.97)                         |
|        | Subtotal valid responses   | 758                    | 151,510,849          | 100                              |
|        | Don't know   | 4                      | 831,388              |                                  |
|        | Refused  | 2                      | 225,335              |                                  |
|        | Appropriate skip   | 240                    | 48,139,128           |                                  |
|        | Total  | 1,004                  | 200,706,700          |                                  |
|        |  |                        |                      |                                  |
| G1150  | <b>And on a typical day, about how much time did you spend walking, running, or jogging?</b> |                        |                      |                                  |
|        | Count  | 751                    | 150,107,945          |                                  |
|        | Mean   | 1.073480               | 1.07                 |                                  |
|        | Standard deviation   | 1.616936               | 0.06                 |                                  |
|        | Minimum  | 0.166667               | 0.166667             |                                  |
|        | 25th percentile  | 0.333333               | 0.333333             |                                  |
|        | Median   | 0.5                    | 0.5                  |                                  |
|        | 75th percentile  | 1                      | 1                    |                                  |
|        | Maximum  | 16                     | 16                   |                                  |
|        |  |                        |                      |                                  |
| G1200A | <b>Did you walk, run, or jog mostly on:</b>  |                        |                      |                                  |
|        | Paved roads  | 233                    | 44,269,830           | 29 (1.84)                        |
|        | Shoulders of paved roads   | 29                     | 5,993,690            | 4 (0.84)                         |
|        | Bike lanes on roads  | 9                      | 1,595,964            | 1 (0.39)                         |
|        | Sidewalks  | 294                    | 62,332,470           | 41 (2.07)                        |
|        | Bike paths   | 26                     | 5,323,097            | 4 (0.81)                         |
|        | Unpaved roads  | 79                     | 14,051,971           | 9 (1.15)                         |
|        | Grass  | 55                     | 11,757,771           | 8 (1.16)                         |
|        | Other  | 37                     | 6,676,094            | 4 (0.78)                         |
|        | Subtotal valid responses   | 762                    | 152,000,888          | 100                              |
|        | Don't know   | 2                      | 566,684              |                                  |
|        | Refused  | 0                      | 0                    |                                  |
|        | Appropriate skip   | 240                    | 48,139,128           |                                  |
|        | Total  | 1,004                  | 200,706,700          |                                  |

| Code   | Questionnaire Item   | Unweighted Count/Value | Weighted Count/Value | Weighted Percentage (Std. Error) |
|--------|--|------------------------|----------------------|----------------------------------|
| G0600  | <b>During July, did you ride on a <u>commercial boat, ship or ferry</u>?</b>               |                        |                      |                                  |
|        | Yes  | 64                     | 12,855,380           | 6 (0.89)                         |
|        | No   | 939                    | 187,695,486          | 94 (0.89)                        |
|        | Subtotal valid responses   | 1,003                  | 200,550,866          | 100                              |
|        | Don't know   | 0                      | 0                    |                                  |
|        | Refused  | 1                      | 155,834              |                                  |
|        | Total  | 1,004                  | 200,706,700          |                                  |
|        |  |                        |                      |                                  |
| G0850K | <b>Altogether, would you say that you did this on approximately:</b>                       |                        |                      |                                  |
|        | 1-2 days   | 55                     | 11,270,977           | 88 (4.34)                        |
|        | 3-10 days  | 7                      | 1,200,088            | 9 (3.86)                         |
|        | 11-19 days   | 1                      | 234,962              | 2 (1.82)                         |
|        | 20 days or more  | 1                      | 149,353              | 1 (1.16)                         |
|        | Subtotal valid responses   | 64                     | 12,855,380           | 100                              |
|        | Don't know   | 0                      | 0                    |                                  |
|        | Refused  | 0                      | 0                    |                                  |
|        | Appropriate skip   | 940                    | 187,851,320          |                                  |
|        | Total  | 1,004                  | 200,706,700          |                                  |
|        |  |                        |                      |                                  |
|        |  |                        |                      |                                  |
| G0650  | <b>During July, did you drive a <u>personal watercraft</u> such as a jetski or skidoo?</b> |                        |                      |                                  |
|        | Yes  | 32                     | 6,575,890            | 3 (0.67)                         |
|        | No   | 972                    | 194,130,810          | 97 (0.67)                        |
|        | Subtotal valid responses   | 1,004                  | 200,706,700          | 100                              |
|        | Don't know   | 0                      | 0                    |                                  |
|        | Refused  | 0                      | 0                    |                                  |
|        | Total  | 1,004                  | 200,706,700          |                                  |
|        |  |                        |                      |                                  |
| G0850L | <b>Altogether, would you say that you did this on approximately:</b>                       |                        |                      |                                  |
|        | 1-2 days   | 20                     | 3,784,726            | 64 (10.99)                       |
|        | 3-10 days  | 9                      | 2,060,398            | 35 (11.05)                       |
|        | 11-19 days   | 0                      | 0                    | 0 (0.00)                         |
|        | 20 days or more  | 1                      | 88,503               | 1 (1.50)                         |
|        | Subtotal valid responses   | 30                     | 5,933,627            | 100                              |
|        | Don't know   | 1                      | 179,457              |                                  |
|        | Refused  | 1                      | 462,806              |                                  |
|        | Appropriate skip   | 972                    | 194,130,810          |                                  |
|        | Total  | 1,004                  | 200,706,700          |                                  |

| Code   | Questionnaire Item  | Unweighted Count/Value | Weighted Count/Value | Weighted Percentage (Std. Error) |
|--------|---|------------------------|----------------------|----------------------------------|
| G1250  | <b>Altogether, about how much time did you spend boating using personal watercraft last month?</b>    |                        |                      |                                  |
|        | Count   | 32                     | 6,575,890            |                                  |
|        | Mean  | 8.013021               | 9.884835             |                                  |
|        | Standard deviation  | 9.437260               | 3.50                 |                                  |
|        | Minimum   | 0.166667               | 0.166667             |                                  |
|        | 25th percentile   | 2.0                    | 2                    |                                  |
|        | Median  | 4.0                    | 4                    |                                  |
|        | 75th percentile   | 10.5                   | 11                   |                                  |
|        | Maximum   | 40.0                   | 40                   |                                  |
|        |   |                        |                      |                                  |
| G0700  | <b>During July, did you drive a <u>recreational boat</u> such as a sailboat, motorboat, or yacht?</b> |                        |                      |                                  |
|        | Yes   | 107                    | 21,412,335           | 11 (1.09)                        |
|        | No  | 897                    | 179,294,365          | 89 (1.09)                        |
|        | Subtotal valid responses  | 1,004                  | 200,706,700          | 100                              |
|        | Don't know  | 0                      | 0                    |                                  |
|        | Refused   | 0                      | 0                    |                                  |
|        | Total   | 1,004                  | 200,706,700          |                                  |
|        |   |                        |                      |                                  |
| G0850M | <b>Altogether, would you say that you did this on approximately:</b>                                  |                        |                      |                                  |
|        | 1-2 days  | 49                     | 9,682,286            | 45 (5.33)                        |
|        | 3-10 days   | 52                     | 10,611,765           | 50 (5.39)                        |
|        | 11-19 days  | 5                      | 872,001              | 4 (1.99)                         |
|        | 20 days or more   | 1                      | 246,283              | 1 (1.15)                         |
|        | Subtotal valid responses  | 107                    | 21,412,335           | 100                              |
|        | Don't know  | 0                      | 0                    |                                  |
|        | Refused   | 0                      | 0                    |                                  |
|        | Appropriate skip  | 897                    | 179,294,365          |                                  |
|        | Total   | 1,004                  | 200,706,700          |                                  |
|        |   |                        |                      |                                  |
| G1255  | <b>Altogether, about how much time did you spend boating last month?</b>                              |                        |                      |                                  |
|        | Count   | 107                    | 21,412,335           |                                  |
|        | Mean  | 16.719663              | 15.588210            |                                  |
|        | Standard deviation  | 19.521055              | 1.66                 |                                  |
|        | Minimum   | 1                      | 1                    |                                  |
|        | 25th percentile   | 5                      | 5                    |                                  |
|        | Median  | 10                     | 8                    |                                  |
|        | 75th percentile   | 20                     | 20                   |                                  |
|        | Maximum   | 120                    | 120                  |                                  |

| Code   | Questionnaire Item  | Unweighted Count/Value | Weighted Count/Value | Weighted Percentage (Std. Error) |
|--------|---|------------------------|----------------------|----------------------------------|
| G0750  | <b>During July, did you use <u>any other means of transportation</u>?</b>           |                        |                      |                                  |
|        | Yes   | 170                    | 34,672,721           | 17 (1.41)                        |
|        | No  | 833                    | 165,763,386          | 83 (1.41)                        |
|        | Subtotal valid responses  | 1,003                  | 200,436,107          | 100                              |
|        | Don't know  | 1                      | 270,593              |                                  |
|        | Refused   | 0                      | 0                    |                                  |
|        | Total   | 1,004                  | 200,706,700          |                                  |
|        |   |                        |                      |                                  |
| G0850N | <b>Altogether, would you say that you did this on approximately:</b>                |                        |                      |                                  |
|        | 1-2 days  | 100                    | 21,018,928           | 61 (4.45)                        |
|        | 3-10 days   | 55                     | 11,188,509           | 33 (4.29)                        |
|        | 11-19 days  | 6                      | 1,205,696            | 3 (1.78)                         |
|        | 20 days or more   | 7                      | 914,956              | 3 (1.21)                         |
|        | Subtotal valid responses  | 168                    | 34,328,089           | 100                              |
|        | Don't know  | 2                      | 344,633              |                                  |
|        | Refused   | 0                      | 0                    |                                  |
|        | Appropriate skip  | 834                    | 166,033,979          |                                  |
|        | Total   | 1,004                  | 200,706,700          |                                  |
|        |   |                        |                      |                                  |
| G1350  | <b>Have you been in any kind of transportation-related crashes since June 2000?</b> |                        |                      |                                  |
|        | Yes   | 86                     | 17,609,020           | 9 (1.04)                         |
|        | No  | 915                    | 182,376,010          | 91 (1.04)                        |
|        | Subtotal valid responses  | 1,001                  | 199,985,030          | 100                              |
|        | Don't know  | 1                      | 270,274              |                                  |
|        | Refused   | 2                      | 451,396              |                                  |
|        | Total   | 1,004                  | 200,706,700          |                                  |
|        |   |                        |                      |                                  |
| G1400  | <b>How many crashes?</b>  |                        |                      |                                  |
|        | Count   | 86                     | 17,609,020           |                                  |
|        | Mean  | 1.046512               | 1.048798             |                                  |
|        | Standard deviation  | 0.211826               | 0.03                 |                                  |
|        | Minimum   | 1                      | 1                    |                                  |
|        | 25th percentile   | 1                      | 1                    |                                  |
|        | Median  | 1                      | 1                    |                                  |
|        | 75th percentile   | 1                      | 1                    |                                  |
|        | Maximum   | 2                      | 2                    |                                  |



| Code   | Questionnaire Item  | Unweighted Count/Value | Weighted Count/Value | Weighted Percentage (Std. Error) |
|--------|---|------------------------|----------------------|----------------------------------|
| G1450A | <b>Thinking about this/the most recent crash, what kind of transportation were you using?</b> |                        |                      |                                  |
|        | Personal vehicle  | 82                     | 16,906,585           | 96 (2.33)                        |
|        | Organized carpool or vanpool  | 1                      | 46,629               | 0 (0.27)                         |
|        | City-to-city bus  | 0                      | 0                    | 0 (0.00)                         |
|        | City-to-city train  | 0                      | 0                    | 0 (0.00)                         |
|        | Public transit within city or metropolitan area   | 0                      | 0                    | 0 (0.00)                         |
|        | Commercial airplane   | 0                      | 0                    | 0 (0.00)                         |
|        | Charter, private or corporate airplane  | 0                      | 0                    | 0 (0.00)                         |
|        | Motorcycle, including motorized scooter or motorized bicycle                                  | 0                      | 0                    | 0 (0.00)                         |
|        | Bicycle   | 1                      | 292,732              | 2 (1.65)                         |
|        | Walking, running, or jogging  | 0                      | 0                    | 0 (0.00)                         |
|        | Commercial boat, ship or ferry  | 0                      | 0                    | 0 (0.00)                         |
|        | Personal watercraft   | 1                      | 78,885               | 0 (0.45)                         |
|        | Recreational boat   | 0                      | 0                    | 0 (0.00)                         |
|        | Skates, skateboards, scooters without engines   | 0                      | 0                    | 0 (0.00)                         |
|        | Other   | 1                      | 284,188              | 2 (1.60)                         |
|        | Subtotal valid responses  | 86                     | 17,609,020           | 100                              |
|        | Don't know  | 0                      | 0                    |                                  |
|        | Refused   | 0                      | 0                    |                                  |
|        | Appropriate skip  | 918                    | 183,097,680          |                                  |
|        | Total   | 1,004                  | 200,706,700          |                                  |
|        |   |                        |                      |                                  |
| G1500  | <b>In this/the most recent crash, what injuries did you sustain?</b>                          |                        |                      |                                  |
| G1500A | None  |                        |                      |                                  |
|        | Yes   | 64                     | 13,058,138           | 74 (5.19)                        |
|        | None  | 22                     | 4,550,883            | 26 (5.19)                        |
|        | Subtotal valid responses  | 86                     | 17,609,020           | 100                              |
|        | Don't know  | 0                      | 0                    |                                  |
|        | Refused   | 0                      | 0                    |                                  |
|        | Appropriate skip  | 918                    | 183,097,680          |                                  |
|        | Total   | 1,004                  | 200,706,700          |                                  |
|        |   |                        |                      |                                  |
| G1500B | Cuts, abrasions   |                        |                      |                                  |
|        | Yes   | 4                      | 902,384              | 5 (2.55)                         |
|        | None  | 82                     | 16,706,636           | 95 (2.55)                        |
|        | Subtotal valid responses  | 86                     | 17,609,020           | 100                              |
|        | Don't know  | 0                      | 0                    |                                  |
|        | Refused   | 0                      | 0                    |                                  |
|        | Appropriate skip  | 918                    | 183,097,680          |                                  |
|        | Total   | 1,004                  | 200,706,700          |                                  |

| Code   | Questionnaire Item          | Unweighted Count/Value | Weighted Count/Value | Weighted Percentage (Std. Error) |
|--------|-----------------------------|------------------------|----------------------|----------------------------------|
| G1500C | Muscle pull, strain, sprain |                        |                      |                                  |
|        | Yes                         | 5                      | 963,839              | 5 (2.49)                         |
|        | None                        | 81                     | 16,645,181           | 95 (2.49)                        |
|        | Subtotal valid responses    | 86                     | 17,609,020           | 100                              |
|        | Don't know                  | 0                      | 0                    |                                  |
|        | Refused                     | 0                      | 0                    |                                  |
|        | Appropriate skip            | 918                    | 183,097,680          |                                  |
|        | Total                       | 1,004                  | 200,706,700          |                                  |
|        |                             |                        |                      |                                  |
| G1500D | Broken bones                |                        |                      |                                  |
|        | Yes                         | 1                      | 284,510              | 2 (1.60)                         |
|        | None                        | 85                     | 17,324,510           | 98 (1.60)                        |
|        | Subtotal valid responses    | 86                     | 17,609,020           | 100                              |
|        | Don't know                  | 0                      | 0                    |                                  |
|        | Refused                     | 0                      | 0                    |                                  |
|        | Appropriate skip            | 918                    | 183,097,680          |                                  |
|        | Total                       | 1,004                  | 200,706,700          |                                  |
|        |                             |                        |                      |                                  |
| G1500E | Neck injury                 |                        |                      |                                  |
|        | Yes                         | 10                     | 2,240,662            | 13 (3.95)                        |
|        | None                        | 76                     | 15,368,359           | 87 (3.95)                        |
|        | Subtotal valid responses    | 86                     | 17,609,020           | 100                              |
|        | Don't know                  | 0                      | 0                    |                                  |
|        | Refused                     | 0                      | 0                    |                                  |
|        | Appropriate skip            | 918                    | 183,097,680          |                                  |
|        | Total                       | 1,004                  | 200,706,700          |                                  |
|        |                             |                        |                      |                                  |
| G1500F | Back injury                 |                        |                      |                                  |
|        | Yes                         | 9                      | 1,692,471            | 10 (3.41)                        |
|        | None                        | 77                     | 15,916,549           | 90 (3.41)                        |
|        | Subtotal valid responses    | 86                     | 17,609,020           | 100                              |
|        | Don't know                  | 0                      | 0                    |                                  |
|        | Refused                     | 0                      | 0                    |                                  |
|        | Appropriate skip            | 918                    | 183,097,680          |                                  |
|        | Total                       | 1,004                  | 200,706,700          |                                  |
|        |                             |                        |                      |                                  |
| G1500G | Concussion or head injury   |                        |                      |                                  |
|        | Yes                         | 3                      | 511,185              | 3 (1.84)                         |
|        | None                        | 83                     | 17,097,836           | 97 (1.84)                        |
|        | Subtotal valid responses    | 86                     | 17,609,020           | 100                              |
|        | Don't know                  | 0                      | 0                    |                                  |
|        | Refused                     | 0                      | 0                    |                                  |
|        | Appropriate skip            | 918                    | 183,097,680          |                                  |
|        | Total                       | 1,004                  | 200,706,700          |                                  |

| Code   | Questionnaire Item        | Unweighted Count/Value | Weighted Count/Value | Weighted Percentage (Std. Error) |
|--------|---------------------------|------------------------|----------------------|----------------------------------|
| G1500H | Damage to internal organs |                        |                      |                                  |
|        | Yes                       | 0                      | 0                    | 0 (0.00)                         |
|        | None                      | 86                     | 17,609,020           | 100 (0.00)                       |
|        | Subtotal valid responses  | 86                     | 17,609,020           | 100                              |
|        | Don't know                | 0                      | 0                    |                                  |
|        | Refused                   | 0                      | 0                    |                                  |
|        | Appropriate skip          | 918                    | 183,097,680          |                                  |
|        | Total                     | 1,004                  | 200,706,700          |                                  |
|        |                           |                        |                      |                                  |
| G1500I | Other                     |                        |                      |                                  |
|        | Yes                       | 3                      | 765,524              | 4 (2.49)                         |
|        | None                      | 83                     | 16,843,496           | 96 (2.49)                        |
|        | Subtotal valid responses  | 86                     | 17,609,020           | 100                              |
|        | Don't know                | 0                      | 0                    |                                  |
|        | Refused                   | 0                      | 0                    |                                  |
|        | Appropriate skip          | 918                    | 183,097,680          |                                  |
|        | Total                     | 1,004                  | 200,706,700          |                                  |

| Code   | Questionnaire Item  | Unweighted Count/Value | Weighted Count/Value | Weighted Percentage (Std. Error) |
|--|---|------------------------|----------------------|----------------------------------|
| Section B – BTS Topical Transportation Questions |   |                        |                      |                                  |
| B0100  | Do you currently commute, that is, travel routinely from home to work or to school? |                        |                      |                                  |
|  | Yes   | 620                    | 129,444,779          | 65 (1.72)                        |
|  | No  | 383                    | 71,035,965           | 35 (1.72)                        |
|  | Subtotal valid responses  | 1,003                  | 200,480,744          | 100                              |
|  | Don't know  | 0                      | 0                    |                                  |
|  | Refused   | 1                      | 225,956              |                                  |
|  | Total   | 1,004                  | 200,706,700          |                                  |
|  |   |                        |                      |                                  |
| B0150  | Altogether, about how many days do you commute <u>in a month</u> ?                  |                        |                      |                                  |
|  | 29-31 days/month  | 69                     | 15,158,079           | 12 (1.56)                        |
|  | 22-28 days/month  | 176                    | 37,112,930           | 29 (2.09)                        |
|  | 15-21 days/month  | 335                    | 69,237,834           | 54 (2.30)                        |
|  | 8-14 days/month   | 32                     | 5,858,129            | 4 (0.90)                         |
|  | 1-7 days/month  | 4                      | 863,527              | 1 (0.90)                         |
|  | Subtotal valid responses  | 616                    | 128,230,499          | 100                              |
|  | Don't know  | 3                      | 1,058,445            |                                  |
|  | Refused   | 1                      | 155,834              |                                  |
|  | Appropriate skip  | 384                    | 71,261,921           |                                  |
|  | Total   | 1,004                  | 200,706,700          |                                  |
|  |   |                        |                      |                                  |
| B0200  | Do you commute from home to work, to school, or both?                               |                        |                      |                                  |
|  | To work   | 538                    | 109,751,756          | 85 (1.71)                        |
|  | To school   | 19                     | 4,449,861            | 4 (0.91)                         |
|  | Both to work and to school  | 61                     | 14,633,195           | 11 (1.51)                        |
|  | Subtotal valid responses  | 618                    | 128,834,811          | 100                              |
|  | Don't know  | 1                      | 442,093              |                                  |
|  | Refused   | 1                      | 167,874              |                                  |
|  | Appropriate skip  | 384                    | 71,261,921           |                                  |
|  | Total   | 1,004                  | 200,706,700          |                                  |
|  |   |                        |                      |                                  |
| B0250A   | Which statement best describes your <u>most frequent commuting route</u> ?          |                        |                      |                                  |
|  | You go to work and to school on different days                                      | 12                     | 2,753,285            | 19 (5.20)                        |
|  | You go to work, then directly to school   | 15                     | 3,270,725            | 22 (5.87)                        |
|  | You go to work, then home, then to school   | 14                     | 3,775,409            | 26 (6.26)                        |
|  | You go to school, then directly to work   | 8                      | 2,166,835            | 15 (5.55)                        |
|  | You go to school, then home, then to work   | 7                      | 1,683,071            | 11 (4.43)                        |
|  | Something else  | 5                      | 983,870              | 7 (3.00)                         |
|  | Subtotal valid responses  | 61                     | 14,633,195           | 100                              |
|  | Don't know  | 0                      | 0                    |                                  |
|  | Refused   | 0                      | 0                    |                                  |
|  | Appropriate skip  | 943                    | 186,073,505          |                                  |

|  |       |       |             |
|--|-------|-------|-------------|
|  | Total | 1,004 | 200,706,700 |
|--|-------|-------|-------------|

| Code   | Questionnaire Item  | Unweighted Count/Value | Weighted Count/Value | Weighted Percentage (Std. Error) |
|--------|---|------------------------|----------------------|----------------------------------|
| B0300  | To get to work, what are all the types of transportation you use? |                        |                      |                                  |
| B0300A | Personal vehicle  |                        |                      |                                  |
|        | Yes   | 556                    | 114,415,815          | 92 (1.39)                        |
|        | None  | 43                     | 9,969,135            | 8 (1.39)                         |
|        | Subtotal valid responses  | 599                    | 124,384,950          | 100                              |
|        | Don't know  | 0                      | 0                    |                                  |
|        | Refused   | 0                      | 0                    |                                  |
|        | Appropriate skip  | 405                    | 76,321,750           |                                  |
|        | Total   | 1,004                  | 200,706,700          |                                  |
|        |   |                        |                      |                                  |
| B0300B | Organized carpool or vanpool                                      |                        |                      |                                  |
|        | Yes   | 22                     | 5,883,701            | 5 (1.15)                         |
|        | None  | 577                    | 118,501,249          | 95 (1.15)                        |
|        | Subtotal valid responses  | 599                    | 124,384,950          | 100                              |
|        | Don't know  | 0                      | 0                    |                                  |
|        | Refused   | 0                      | 0                    |                                  |
|        | Appropriate skip  | 405                    | 76,321,750           |                                  |
|        | Total   | 1,004                  | 200,706,700          |                                  |
|        |   |                        |                      |                                  |
| B0300C | City-to-city bus  |                        |                      |                                  |
|        | Yes   | 10                     | 3,042,278            | 2 (0.86)                         |
|        | None  | 589                    | 121,342,673          | 98 (0.86)                        |
|        | Subtotal valid responses  | 599                    | 124,384,950          | 100                              |
|        | Don't know  | 0                      | 0                    |                                  |
|        | Refused   | 0                      | 0                    |                                  |
|        | Appropriate skip  | 405                    | 76,321,750           |                                  |
|        | Total   | 1,004                  | 200,706,700          |                                  |
|        |   |                        |                      |                                  |
| B0300D | City-to-city train  |                        |                      |                                  |
|        | Yes   | 5                      | 873,953              | 1 (0.33)                         |
|        | None  | 594                    | 123,510,997          | 99 (0.33)                        |
|        | Subtotal valid responses  | 599                    | 124,384,950          | 100                              |
|        | Don't know  | 0                      | 0                    |                                  |
|        | Refused   | 0                      | 0                    |                                  |
|        | Appropriate skip  | 405                    | 76,321,750           |                                  |
|        | Total   | 1,004                  | 200,706,700          |                                  |
|        |   |                        |                      |                                  |
| B0300E | Public transit within city or metropolitan area                   |                        |                      |                                  |
|        | Yes   | 44                     | 9,388,093            | 8 (1.33)                         |
|        | None  | 555                    | 114,996,857          | 92 (1.33)                        |
|        | Subtotal valid responses  | 599                    | 124,384,950          | 100                              |
|        | Don't know  | 0                      | 0                    |                                  |
|        | Refused   | 0                      | 0                    |                                  |
|        | Appropriate skip  | 405                    | 76,321,750           |                                  |
|        | Total   | 1,004                  | 200,706,700          |                                  |

| Code   | Questionnaire Item   | Unweighted Count/Value | Weighted Count/Value | Weighted Percentage (Std. Error) |
|--------|--|------------------------|----------------------|----------------------------------|
| B0300F | Commercial airplane  |                        |                      |                                  |
|        | Yes  | 2                      | 366,379              | 0 (0.22)                         |
|        | None   | 597                    | 124,018,571          | 100 (0.22)                       |
|        | Subtotal valid responses                                     | 599                    | 124,384,950          | 100                              |
|        | Don't know   | 0                      | 0                    |                                  |
|        | Refused  | 0                      | 0                    |                                  |
|        | Appropriate skip   | 405                    | 76,321,750           |                                  |
|        | Total  | 1,004                  | 200,706,700          |                                  |
|        |  |                        |                      |                                  |
| B0300G | Charter, private or corporate airplane                       |                        |                      |                                  |
|        | Yes  | 0                      | 0                    | 0 (0.00)                         |
|        | None   | 599                    | 124,384,950          | 100 (0.00)                       |
|        | Subtotal valid responses                                     | 599                    | 124,384,950          | 100                              |
|        | Don't know   | 0                      | 0                    |                                  |
|        | Refused  | 0                      | 0                    |                                  |
|        | Appropriate skip   | 405                    | 76,321,750           |                                  |
|        | Total  | 1,004                  | 200,706,700          |                                  |
|        |  |                        |                      |                                  |
| B0300H | Motorcycle, including motorized scooter or motorized bicycle |                        |                      |                                  |
|        | Yes  | 10                     | 2,158,699            | 2 (0.60)                         |
|        | None   | 589                    | 122,226,251          | 98 (0.60)                        |
|        | Subtotal valid responses                                     | 599                    | 124,384,950          | 100                              |
|        | Don't know   | 0                      | 0                    |                                  |
|        | Refused  | 0                      | 0                    |                                  |
|        | Appropriate skip   | 405                    | 76,321,750           |                                  |
|        | Total  | 1,004                  | 200,706,700          |                                  |
|        |  |                        |                      |                                  |
| B0300I | Bicycle  |                        |                      |                                  |
|        | Yes  | 17                     | 3,659,260            | 3 (0.80)                         |
|        | None   | 582                    | 120,725,690          | 97 (0.80)                        |
|        | Subtotal valid responses                                     | 599                    | 124,384,950          | 100                              |
|        | Don't know   | 0                      | 0                    |                                  |
|        | Refused  | 0                      | 0                    |                                  |
|        | Appropriate skip   | 405                    | 76,321,750           |                                  |
|        | Total  | 1,004                  | 200,706,700          |                                  |
|        |  |                        |                      |                                  |
| B0300J | Walking, running, or jogging                                 |                        |                      |                                  |
|        | Yes  | 28                     | 6,799,169            | 5 (1.18)                         |
|        | None   | 571                    | 117,585,781          | 95 (1.18)                        |
|        | Subtotal valid responses                                     | 599                    | 124,384,950          | 100                              |
|        | Don't know   | 0                      | 0                    |                                  |
|        | Refused  | 0                      | 0                    |                                  |
|        | Appropriate skip   | 405                    | 76,321,750           |                                  |
|        | Total  | 1,004                  | 200,706,700          |                                  |

| Code   | Questionnaire Item  | Unweighted Count/Value | Weighted Count/Value | Weighted Percentage (Std. Error) |
|--------|---|------------------------|----------------------|----------------------------------|
| B0300K | Commercial boat, ship or ferry  |                        |                      |                                  |
|        | Yes   | 1                      | 142,177              | 0 (0.11)                         |
|        | None  | 598                    | 124,242,773          | 100 (0.11)                       |
|        | Subtotal valid responses  | 599                    | 124,384,950          | 100                              |
|        | Don't know  | 0                      | 0                    |                                  |
|        | Refused   | 0                      | 0                    |                                  |
|        | Appropriate skip  | 405                    | 76,321,750           |                                  |
|        | Total   | 1,004                  | 200,706,700          |                                  |
|        |   |                        |                      |                                  |
| B0300L | Other   |                        |                      |                                  |
|        | Yes   | 16                     | 4,453,424            | 4 (1.02)                         |
|        | None  | 583                    | 119,931,526          | 96 (1.02)                        |
|        | Subtotal valid responses  | 599                    | 124,384,950          | 100                              |
|        | Don't know  | 0                      | 0                    |                                  |
|        | Refused   | 0                      | 0                    |                                  |
|        | Appropriate skip  | 405                    | 76,321,750           |                                  |
|        | Total   | 1,004                  | 200,706,700          |                                  |
|        |   |                        |                      |                                  |
| B0350  | How much time does the door-to-door trip to work usually take, one way? |                        |                      |                                  |
|        | Count   | 595                    | 123,368,326          |                                  |
|        | Mean  | 0.421429               | 0.437109             |                                  |
|        | Standard deviation  | 0.425812               | 0.02                 |                                  |
|        | Minimum   | 0.033333               | 0.033333             |                                  |
|        | 25th percentile   | 0.166667               | 0.166667             |                                  |
|        | Median  | 0.333333               | 0.333333             |                                  |
|        | 75th percentile   | 0.5                    | 0.5                  |                                  |
|        | Maximum   | 6                      | 6                    |                                  |
|        |   |                        |                      |                                  |
| B0450  | To get to school, what are all the types of transportation you use?     |                        |                      |                                  |
| B0450A | Personal vehicle  |                        |                      |                                  |
|        | Yes   | 72                     | 17,077,811           | 90 (4.07)                        |
|        | None  | 7                      | 1,916,741            | 10 (4.07)                        |
|        | Subtotal valid responses  | 79                     | 18,994,552           | 100                              |
|        | Don't know  | 1                      | 88,503               |                                  |
|        | Refused   | 0                      | 0                    |                                  |
|        | Appropriate skip  | 924                    | 181,623,645          |                                  |
|        | Total   | 1,004                  | 200,706,700          |                                  |



| Code   | Questionnaire Item                              | Unweighted Count/Value | Weighted Count/Value | Weighted Percentage (Std. Error) |
|--------|---|------------------------|----------------------|----------------------------------|
| B0450B | Organized carpool or vanpool                    |                        |                      |                                  |
|        | Yes   | 4                      | 1,205,295            | 6 (3.24)                         |
|        | None  | 75                     | 17,789,257           | 94 (3.24)                        |
|        | Subtotal valid responses                        | 79                     | 18,994,552           | 100                              |
|        | Don't know                                      | 1                      | 88,503               |                                  |
|        | Refused   | 0                      | 0                    |                                  |
|        | Appropriate skip                                | 924                    | 181,623,645          |                                  |
|        | Total   | 1,004                  | 200,706,700          |                                  |
|        |   |                        |                      |                                  |
| B0450C | City-to-city bus                                |                        |                      |                                  |
|        | Yes   | 2                      | 647,155              | 3 (2.38)                         |
|        | None  | 77                     | 18,347,398           | 97 (2.38)                        |
|        | Subtotal valid responses                        | 79                     | 18,994,552           | 100                              |
|        | Don't know                                      | 1                      | 88,503               |                                  |
|        | Refused   | 0                      | 0                    |                                  |
|        | Appropriate skip                                | 924                    | 181,623,645          |                                  |
|        | Total   | 1,004                  | 200,706,700          |                                  |
|        |   |                        |                      |                                  |
| B0450D | City-to-city train                              |                        |                      |                                  |
|        | Yes   | 1                      | 285,666              | 2 (1.50)                         |
|        | None  | 78                     | 18,708,887           | 98 (1.50)                        |
|        | Subtotal valid responses                        | 79                     | 18,994,552           | 100                              |
|        | Don't know                                      | 1                      | 88,503               |                                  |
|        | Refused   | 0                      | 0                    |                                  |
|        | Appropriate skip                                | 924                    | 181,623,645          |                                  |
|        | Total   | 1,004                  | 200,706,700          |                                  |
|        |   |                        |                      |                                  |
| B0450E | Public transit within city or metropolitan area |                        |                      |                                  |
|        | Yes   | 4                      | 1,239,732            | 7 (3.54)                         |
|        | None  | 75                     | 17,754,821           | 93 (3.54)                        |
|        | Subtotal valid responses                        | 79                     | 18,994,552           | 100                              |
|        | Don't know                                      | 1                      | 88,503               |                                  |
|        | Refused   | 0                      | 0                    |                                  |
|        | Appropriate skip                                | 924                    | 181,623,645          |                                  |
|        | Total   | 1,004                  | 200,706,700          |                                  |
|        |   |                        |                      |                                  |
| B0450F | Commercial airplane                             |                        |                      |                                  |
|        | Yes   | 0                      | 0                    | 0 (0.00)                         |
|        | None  | 79                     | 18,994,552           | 100 (0.00)                       |
|        | Subtotal valid responses                        | 79                     | 18,994,552           | 100                              |
|        | Don't know                                      | 1                      | 88,503               |                                  |
|        | Refused   | 0                      | 0                    |                                  |
|        | Appropriate skip                                | 924                    | 181,623,645          |                                  |
|        | Total   | 1,004                  | 200,706,700          |                                  |

| Code   | Questionnaire Item   | Unweighted Count/Value | Weighted Count/Value | Weighted Percentage (Std. Error) |
|--------|--|------------------------|----------------------|----------------------------------|
| B0450G | Charter, private or corporate airplane                       |                        |                      |                                  |
|        | Yes  | 0                      | 0                    | 0 (0.00)                         |
|        | None   | 79                     | 18,994,552           | 100 (0.00)                       |
|        | Subtotal valid responses                                     | 79                     | 18,994,552           | 100                              |
|        | Don't know   | 1                      | 88,503               |                                  |
|        | Refused  | 0                      | 0                    |                                  |
|        | Appropriate skip   | 924                    | 181,623,645          |                                  |
|        | Total  | 1,004                  | 200,706,700          |                                  |
|        |  |                        |                      |                                  |
| B0450H | Motorcycle, including motorized scooter or motorized bicycle |                        |                      |                                  |
|        | Yes  | 0                      | 0                    | 0 (0.00)                         |
|        | None   | 79                     | 18,994,552           | 100 (0.00)                       |
|        | Subtotal valid responses                                     | 79                     | 18,994,552           | 100                              |
|        | Don't know   | 1                      | 88,503               |                                  |
|        | Refused  | 0                      | 0                    |                                  |
|        | Appropriate skip   | 924                    | 181,623,645          |                                  |
|        | Total  | 1,004                  | 200,706,700          |                                  |
|        |  |                        |                      |                                  |
| B0450I | Bicycle  |                        |                      |                                  |
|        | Yes  | 6                      | 1,696,114            | 9 (3.66)                         |
|        | None   | 73                     | 17,298,438           | 91 (3.66)                        |
|        | Subtotal valid responses                                     | 79                     | 18,994,552           | 100                              |
|        | Don't know   | 1                      | 88,503               |                                  |
|        | Refused  | 0                      | 0                    |                                  |
|        | Appropriate skip   | 924                    | 181,623,645          |                                  |
|        | Total  | 1,004                  | 200,706,700          |                                  |
|        |  |                        |                      |                                  |
| B0450J | Walking, running, or jogging                                 |                        |                      |                                  |
|        | Yes  | 6                      | 1,597,917            | 8 (3.77)                         |
|        | None   | 73                     | 17,396,636           | 92 (3.77)                        |
|        | Subtotal valid responses                                     | 79                     | 18,994,552           | 100                              |
|        | Don't know   | 1                      | 88,503               |                                  |
|        | Refused  | 0                      | 0                    |                                  |
|        | Appropriate skip   | 924                    | 181,623,645          |                                  |
|        | Total  | 1,004                  | 200,706,700          |                                  |
|        |  |                        |                      |                                  |
| B0450K | Commercial boat, ship or ferry                               |                        |                      |                                  |
|        | Yes  | 0                      | 0                    | 0 (0.00)                         |
|        | None   | 79                     | 18,994,552           | 100 (0.00)                       |
|        | Subtotal valid responses                                     | 79                     | 18,994,552           | 100                              |
|        | Don't know   | 1                      | 88,503               |                                  |
|        | Refused  | 0                      | 0                    |                                  |
|        | Appropriate skip   | 924                    | 181,623,645          |                                  |
|        | Total  | 1,004                  | 200,706,700          |                                  |

| Code   | Questionnaire Item   | Unweighted Count/Value | Weighted Count/Value | Weighted Percentage (Std. Error) |
|--------|--|------------------------|----------------------|----------------------------------|
| B0450L | Other  |                        |                      |                                  |
|        | Yes  | 1                      | 285,529              | 2 (1.49)                         |
|        | None   | 78                     | 18,709,024           | 98 (1.49)                        |
|        | Subtotal valid responses   | 79                     | 18,994,552           | 100                              |
|        | Don't know   | 1                      | 88,503               |                                  |
|        | Refused  | 0                      | 0                    |                                  |
|        | Appropriate skip   | 924                    | 181,623,645          |                                  |
|        | Total  | 1,004                  | 200,706,700          |                                  |
|        |  |                        |                      |                                  |
| B0500  | How much time does the door-to-door trip to school usually take, one way?                      |                        |                      |                                  |
|        | Count  | 79                     | 18,994,552           |                                  |
|        | Mean   | 0.4668776              | 0.440324             |                                  |
|        | Standard deviation   | 0.5395564              | 0.05                 |                                  |
|        | Minimum  | 0.0833333              | 0.0833333            |                                  |
|        | 25th percentile  | 0.1666667              | 0.1666667            |                                  |
|        | Median   | 0.3333333              | 0.3333333            |                                  |
|        | 75th percentile  | 0.5                    | 0.5                  |                                  |
|        | Maximum  | 4                      | 4                    |                                  |
|        |  |                        |                      |                                  |
| B0650  | Have you made any changes in your transportation use since January 2001 because of gas prices? |                        |                      |                                  |
|        | Yes  | 333                    | 67,186,427           | 33 (1.73)                        |
|        | No   | 671                    | 133,520,273          | 67 (1.73)                        |
|        | Subtotal valid responses   | 1,004                  | 200,706,700          | 100                              |
|        | Don't know   | 0                      | 0                    |                                  |
|        | Refused  | 0                      | 0                    |                                  |
|        | Total  | 1,004                  | 200,706,700          |                                  |
|        |  |                        |                      |                                  |
| B0700  | What changes have you made?  |                        |                      |                                  |
| B0700A | Drive less frequently  |                        |                      |                                  |
|        | Yes  | 195                    | 37,419,518           | 56 (3.16)                        |
|        | None   | 138                    | 29,766,909           | 44 (3.16)                        |
|        | Subtotal valid responses   | 333                    | 67,186,427           | 100                              |
|        | Don't know   | 0                      | 0                    |                                  |
|        | Refused  | 0                      | 0                    |                                  |
|        | Appropriate skip   | 671                    | 133,520,273          |                                  |
|        | Total  | 1,004                  | 200,706,700          |                                  |

| Code   | Questionnaire Item         | Unweighted Count/Value | Weighted Count/Value | Weighted Percentage (Std. Error) |
|--------|----------------------------|------------------------|----------------------|----------------------------------|
| B0700B | Use public transit more    |                        |                      |                                  |
|        | Yes                        | 8                      | 1,900,057            | 3 (1.16)                         |
|        | None                       | 325                    | 65,286,370           | 97 (1.16)                        |
|        | Subtotal valid responses   | 333                    | 67,186,427           | 100                              |
|        | Don't know                 | 0                      | 0                    |                                  |
|        | Refused                    | 0                      | 0                    |                                  |
|        | Appropriate skip           | 671                    | 133,520,273          |                                  |
|        | Total                      | 1,004                  | 200,706,700          |                                  |
|        |                            |                        |                      |                                  |
| B0700C | Walk more                  |                        |                      |                                  |
|        | Yes                        | 12                     | 2,475,483            | 4 (1.15)                         |
|        | None                       | 321                    | 64,710,944           | 96 (1.15)                        |
|        | Subtotal valid responses   | 333                    | 67,186,427           | 100                              |
|        | Don't know                 | 0                      | 0                    |                                  |
|        | Refused                    | 0                      | 0                    |                                  |
|        | Appropriate skip           | 671                    | 133,520,273          |                                  |
|        | Total                      | 1,004                  | 200,706,700          |                                  |
|        |                            |                        |                      |                                  |
| B0700D | Bicycle more               |                        |                      |                                  |
|        | Yes                        | 6                      | 1,286,251            | 2 (0.80)                         |
|        | None                       | 327                    | 65,900,176           | 98 (0.80)                        |
|        | Subtotal valid responses   | 333                    | 67,186,427           | 100                              |
|        | Don't know                 | 0                      | 0                    |                                  |
|        | Refused                    | 0                      | 0                    |                                  |
|        | Appropriate skip           | 671                    | 133,520,273          |                                  |
|        | Total                      | 1,004                  | 200,706,700          |                                  |
|        |                            |                        |                      |                                  |
| B0700E | Combine local errand trips |                        |                      |                                  |
|        | Yes                        | 33                     | 7,158,630            | 11 (1.95)                        |
|        | None                       | 300                    | 60,027,798           | 89 (1.95)                        |
|        | Subtotal valid responses   | 333                    | 67,186,427           | 100                              |
|        | Don't know                 | 0                      | 0                    |                                  |
|        | Refused                    | 0                      | 0                    |                                  |
|        | Appropriate skip           | 671                    | 133,520,273          |                                  |
|        | Total                      | 1,004                  | 200,706,700          |                                  |
|        |                            |                        |                      |                                  |
| B0700F | Change travel plans        |                        |                      |                                  |
|        | Yes                        | 46                     | 10,081,968           | 15 (2.42)                        |
|        | None                       | 287                    | 57,104,460           | 85 (2.42)                        |
|        | Subtotal valid responses   | 333                    | 67,186,427           | 100                              |
|        | Don't know                 | 0                      | 0                    |                                  |
|        | Refused                    | 0                      | 0                    |                                  |
|        | Appropriate skip           | 671                    | 133,520,273          |                                  |
|        | Total                      | 1,004                  | 200,706,700          |                                  |

| Code   | Questionnaire Item                            | Unweighted Count/Value | Weighted Count/Value | Weighted Percentage (Std. Error) |
|--------|---|------------------------|----------------------|----------------------------------|
| B0700G | Cancel vacation travel plans                  |                        |                      |                                  |
|        | Yes   | 7                      | 1,151,772            | 2 (0.69)                         |
|        | None  | 326                    | 66,034,655           | 98 (0.69)                        |
|        | Subtotal valid responses                      | 333                    | 67,186,427           | 100                              |
|        | Don't know                                    | 0                      | 0                    |                                  |
|        | Refused                                       | 0                      | 0                    |                                  |
|        | Appropriate skip                              | 671                    | 133,520,273          |                                  |
|        | Total   | 1,004                  | 200,706,700          |                                  |
|        |   |                        |                      |                                  |
| B0700H | Increase vehicle maintenance                  |                        |                      |                                  |
|        | Yes   | 2                      | 423,206              | 1 (0.55)                         |
|        | None  | 331                    | 66,763,221           | 99 (0.55)                        |
|        | Subtotal valid responses                      | 333                    | 67,186,427           | 100                              |
|        | Don't know                                    | 0                      | 0                    |                                  |
|        | Refused                                       | 0                      | 0                    |                                  |
|        | Appropriate skip                              | 671                    | 133,520,273          |                                  |
|        | Total   | 1,004                  | 200,706,700          |                                  |
|        |   |                        |                      |                                  |
| B0700I | Comparison-shop for best prices on gasoline   |                        |                      |                                  |
|        | Yes   | 15                     | 2,754,129            | 4 (1.16)                         |
|        | None  | 318                    | 64,432,298           | 96 (1.16)                        |
|        | Subtotal valid responses                      | 333                    | 67,186,427           | 100                              |
|        | Don't know                                    | 0                      | 0                    |                                  |
|        | Refused                                       | 0                      | 0                    |                                  |
|        | Appropriate skip                              | 671                    | 133,520,273          |                                  |
|        | Total   | 1,004                  | 200,706,700          |                                  |
|        |   |                        |                      |                                  |
| B0700J | Change to lower octane gas                    |                        |                      |                                  |
|        | Yes   | 3                      | 477,205              | 1 (0.48)                         |
|        | None  | 330                    | 66,709,222           | 99 (0.48)                        |
|        | Subtotal valid responses                      | 333                    | 67,186,427           | 100                              |
|        | Don't know                                    | 0                      | 0                    |                                  |
|        | Refused                                       | 0                      | 0                    |                                  |
|        | Appropriate skip                              | 671                    | 133,520,273          |                                  |
|        | Total   | 1,004                  | 200,706,700          |                                  |
|        |   |                        |                      |                                  |
| B0700K | Drive or purchase more fuel-efficient vehicle |                        |                      |                                  |
|        | Yes   | 25                     | 5,437,622            | 8 (1.69)                         |
|        | None  | 308                    | 61,748,805           | 92 (1.69)                        |
|        | Subtotal valid responses                      | 333                    | 67,186,427           | 100                              |
|        | Don't know                                    | 0                      | 0                    |                                  |
|        | Refused                                       | 0                      | 0                    |                                  |
|        | Appropriate skip                              | 671                    | 133,520,273          |                                  |
|        | Total   | 1,004                  | 200,706,700          |                                  |

| Code   | Questionnaire Item       | Unweighted Count/Value | Weighted Count/Value | Weighted Percentage (Std. Error) |
|--------|--------------------------|------------------------|----------------------|----------------------------------|
| B0700L | Other                    |                        |                      |                                  |
|        | Yes                      | 49                     | 10,141,052           | 15 (2.28)                        |
|        | None                     | 284                    | 57,045,375           | 85 (2.28)                        |
|        | Subtotal valid responses | 333                    | 67,186,427           | 100                              |
|        | Don't know               | 0                      | 0                    |                                  |
|        | Refused                  | 0                      | 0                    |                                  |
|        | Appropriate skip         | 671                    | 133,520,273          |                                  |
|        | Total                    | 1,004                  | 200,706,700          |                                  |

| Code                                  | Questionnaire Item  | Unweighted Count/Value | Weighted Count/Value | Weighted Percentage (Std. Error) |
|---------------------------------------|---|------------------------|----------------------|----------------------------------|
| Section SS - Strategic Goal Questions |   |                        |                      |                                  |
| SS0150                                | <b>To what extent are you concerned about your <u>personal safety</u> while traveling due to drivers, pilots, or train operators who might be impaired by alcohol or drugs?</b>     |                        |                      |                                  |
|                                       | No extent   | 98                     | 19,448,659           | 10 (1.07)                        |
|                                       | A little extent   | 116                    | 22,502,104           | 11 (1.15)                        |
|                                       | Some extent   | 218                    | 41,500,785           | 21 (1.46)                        |
|                                       | A great extent  | 141                    | 29,468,543           | 15 (1.35)                        |
|                                       | A very great extent   | 417                    | 85,276,144           | 43 (1.83)                        |
|                                       | Subtotal valid responses  | 990                    | 198,196,235          | 100                              |
|                                       | Don't know  | 14                     | 2,510,465            |                                  |
|                                       | Refused   | 0                      | 0                    |                                  |
|                                       | Total   | 1,004                  | 200,706,700          |                                  |
|                                       |   |                        |                      |                                  |
| SS0200                                | <b>To what extent are you concerned about your <u>personal safety</u> while traveling due to aggressive behavior by others, such as road rage or air rage?</b>                      |                        |                      |                                  |
|                                       | No extent   | 86                     | 16,310,095           | 8 (0.95)                         |
|                                       | A little extent   | 127                    | 25,117,115           | 13 (1.22)                        |
|                                       | Some extent   | 231                    | 44,753,020           | 23 (1.54)                        |
|                                       | A great extent  | 189                    | 38,381,038           | 19 (1.44)                        |
|                                       | A very great extent   | 355                    | 72,069,116           | 37 (1.79)                        |
|                                       | Subtotal valid responses  | 988                    | 196,630,385          | 100                              |
|                                       | Don't know  | 16                     | 4,076,315            |                                  |
|                                       | Refused   | 0                      | 0                    |                                  |
|                                       | Total   | 1,004                  | 200,706,700          |                                  |
|                                       |   |                        |                      |                                  |
| SS0250                                | <b>To what extent are you concerned about your <u>personal safety</u> while traveling due to the possible failure of mechanical equipment on cars, buses, trains, or airplanes?</b> |                        |                      |                                  |
|                                       | No extent   | 190                    | 37,377,355           | 19 (1.41)                        |
|                                       | A little extent   | 231                    | 47,240,039           | 24 (1.56)                        |
|                                       | Some extent   | 229                    | 45,912,550           | 23 (1.55)                        |
|                                       | A great extent  | 138                    | 26,654,599           | 14 (1.26)                        |
|                                       | A very great extent   | 198                    | 39,768,951           | 20 (1.51)                        |
|                                       | Subtotal valid responses  | 986                    | 196,953,494          | 100                              |
|                                       | Don't know  | 15                     | 3,167,891            |                                  |
|                                       | Refused   | 3                      | 585,315              |                                  |
|                                       | Total   | 1,004                  | 200,706,700          |                                  |
|                                       |   |                        |                      |                                  |

| Code   | Questionnaire Item   | Unweighted Count/Value | Weighted Count/Value | Weighted Percentage (Std. Error) |
|--------|--|------------------------|----------------------|----------------------------------|
| SS0300 | <b>To what extent are you concerned about your <u>personal safety</u> while traveling due to the transport of hazardous materials on trucks, trains, or airplanes?</b> |                        |                      |                                  |
|        | No extent  | 220                    | 43,281,866           | 22 (1.49)                        |
|        | A little extent  | 215                    | 41,712,526           | 21 (1.47)                        |
|        | Some extent  | 198                    | 41,887,166           | 21 (1.53)                        |
|        | A great extent   | 123                    | 24,608,323           | 13 (1.23)                        |
|        | A very great extent  | 234                    | 46,118,275           | 23 (1.55)                        |
|        | Subtotal valid responses   | 990                    | 197,608,155          | 100                              |
|        | Don't know   | 0                      | 0                    |                                  |
|        | Refused  | 14                     | 3,098,545            |                                  |
|        | Total  | 1,004                  | 200,706,700          |                                  |
| SS0350 | <b>To what extent are you concerned about your <u>personal safety</u> while traveling due to crime at rest stops, rail stations, bus terminals, or airports?</b>       |                        |                      |                                  |
|        | No extent  | 195                    | 37,335,591           | 19 (1.39)                        |
|        | A little extent  | 169                    | 32,605,133           | 17 (1.35)                        |
|        | Some extent  | 229                    | 48,001,338           | 24 (1.59)                        |
|        | A great extent   | 157                    | 31,977,069           | 16 (1.38)                        |
|        | A very great extent  | 237                    | 46,573,741           | 24 (1.57)                        |
|        | Subtotal valid responses   | 987                    | 196,492,872          | 100                              |
|        | Don't know   | 16                     | 4,075,547            |                                  |
|        | Refused  | 1                      | 138,281              |                                  |
|        | Total  | 1,004                  | 200,706,700          |                                  |



| Code  | Questionnaire Item  | Unweighted Count/Value | Weighted Count/Value | Weighted Percentage (Std. Error) |
|---|---|------------------------|----------------------|----------------------------------|
| Section T - US Department of Transportation Services Satisfaction Questions |   |                        |                      |                                  |
| T0100   | Have you contacted the government about any subject related to transportation since June 2000?  |                        |                      |                                  |
|   | Yes   | 83                     | 16,247,870           | 8 (0.97)                         |
|   | No  | 917                    | 183,735,477          | 92 (0.99)                        |
|   | Don't remember  | 2                      | 476,027              | 100                              |
|   | Subtotal valid responses  | 1,002                  | 200,459,373          |                                  |
|   | Don't know  | 1                      | 91,493               |                                  |
|   | Refused   | 1                      | 155,834              |                                  |
|   | Total   | 1,004                  | 200,706,700          |                                  |
| T0150A  | Thinking back to your most recent contact, <u>primarily</u> why did you contact the government? |                        |                      |                                  |
|   | Obtain information  | 16                     | 3,196,195            | 20 (4.89)                        |
|   | Lodge a complaint   | 12                     | 2,326,935            | 15 (4.87)                        |
|   | Report a problem, violation, or accident  | 20                     | 4,483,470            | 28 (5.86)                        |
|   | Order/obtain a product  | 23                     | 3,968,716            | 25 (5.04)                        |
|   | Apply for/inquire about employment  | 1                      | 251,280              | 1 (1.56)                         |
|   | Other   | 10                     | 1,795,318            | 11 (3.68)                        |
|   | Subtotal valid responses  | 82                     | 16,021,913           | 100                              |
|   | Don't know  | 0                      | 0                    |                                  |
|   | Refused   | 1                      | 225,956              |                                  |
|   | Appropriate skip  | 921                    | 184,458,830          |                                  |
|   | Total   | 1,004                  | 200,706,700          |                                  |
| T0200   | How did you contact the agency?   |                        |                      |                                  |
| T0200A  | Telephone, including a hotline  |                        |                      |                                  |
|   | Yes   | 41                     | 8,254,750            | 52 (6.31)                        |
|   | None  | 41                     | 7,767,164            | 48 (6.31)                        |
|   | Subtotal valid responses  | 82                     | 16,021,913           | 100                              |
|   | Don't know  | 0                      | 0                    |                                  |
|   | Refused   | 1                      | 225,956              |                                  |
|   | Appropriate skip  | 921                    | 184,458,830          |                                  |
|   | Total   | 1,004                  | 200,706,700          |                                  |
| T0200B  | Internet/world-wide web, e-mail   |                        |                      |                                  |
|   | Yes   | 9                      | 1,713,833            | 11 (3.68)                        |
|   | None  | 73                     | 14,308,080           | 89 (3.68)                        |
|   | Subtotal valid responses  | 82                     | 16,021,913           | 100                              |
|   | Don't know  | 0                      | 0                    |                                  |
|   | Refused   | 1                      | 225,956              |                                  |
|   | Appropriate skip  | 921                    | 184,458,830          |                                  |
|   | Total   | 1,004                  | 200,706,700          |                                  |

| Code   | Questionnaire Item       | Unweighted Count/Value | Weighted Count/Value | Weighted Percentage (Std. Error) |
|--------|--------------------------|------------------------|----------------------|----------------------------------|
| T0200C | (Regular) mail           |                        |                      |                                  |
|        | Yes                      | 11                     | 1,542,060            | 10 (3.12)                        |
|        | None                     | 71                     | 14,479,853           | 90 (3.12)                        |
|        | Subtotal valid responses | 82                     | 16,021,913           | 100                              |
|        | Don't know               | 0                      | 0                    |                                  |
|        | Refused                  | 1                      | 225,956              |                                  |
|        | Appropriate skip         | 921                    | 184,458,830          |                                  |
|        | Total                    | 1,004                  | 200,706,700          |                                  |
|        |                          |                        |                      |                                  |
| T0200D | In person                |                        |                      |                                  |
|        | Yes                      | 28                     | 5,519,372            | 34 (6.12)                        |
|        | None                     | 54                     | 10,502,541           | 66 (6.12)                        |
|        | Subtotal valid responses | 82                     | 16,021,913           | 100                              |
|        | Don't know               | 0                      | 0                    |                                  |
|        | Refused                  | 1                      | 225,956              |                                  |
|        | Appropriate skip         | 921                    | 184,458,830          |                                  |
|        | Total                    | 1,004                  | 200,706,700          |                                  |
|        |                          |                        |                      |                                  |
| T0200E | Other                    |                        |                      |                                  |
|        | Yes                      | 6                      | 1,248,379            | 8 (3.26)                         |
|        | None                     | 76                     | 14,773,534           | 92 (3.26)                        |
|        | Subtotal valid responses | 82                     | 16,021,913           | 100                              |
|        | Don't know               | 0                      | 0                    |                                  |
|        | Refused                  | 1                      | 225,956              |                                  |
|        | Appropriate skip         | 921                    | 184,458,830          |                                  |
|        | Total                    | 1,004                  | 200,706,700          |                                  |

| Code  | Questionnaire Item   | Unweighted Count/Value | Weighted Count/Value | Weighted Percentage (Std. Error) |
|-------|--|------------------------|----------------------|----------------------------------|
| T0250 | <b>What was the name of the agency you contacted?</b>  |                        |                      |                                  |
|       | Bureau of Transportation Statistics (BTS)  | 0                      | 0                    | 0 (0.00)                         |
|       | Congress (United States Senate or House of Representatives)  | 1                      | 233,609              | 1 (1.51)                         |
|       | Federal Aviation Administration (FAA)  | 0                      | 0                    | 0 (0.00)                         |
|       | Federal Railroad Administration (FRA)  | 0                      | 0                    | 0 (0.00)                         |
|       | Federal Motor Carrier Safety Administration (FMCSA)  | 0                      | 0                    | 0 (0.00)                         |
|       | Federal Transit Administration (FTA)   | 1                      | 366,633              | 2 (2.34)                         |
|       | Federal Highway Administration (FHWA)  | 0                      | 0                    | 0 (0.00)                         |
|       | Maritime Administration (MARAD)  | 0                      | 0                    | 0 (0.00)                         |
|       | National Highway Traffic Safety Administration (NHTSA)   | 1                      | 709,588              | 5 (4.43)                         |
|       | Research and Special Programs Administration (RSPA)  | 1                      | 118,356              | 1 (0.77)                         |
|       | Secretary of the US Department of Transportation (OST)   | 0                      | 0                    | 0 (0.00)                         |
|       | St. Lawrence Seaway Development Corporation  | 0                      | 0                    | 0 (0.00)                         |
|       | United States Coast Guard  | 0                      | 0                    | 0 (0.00)                         |
|       | State Department of Motor Vehicles (DMV, MVA)  | 16                     | 2,609,932            | 17 (4.38)                        |
|       | City, County, Township or Parish Government office   | 9                      | 1,584,029            | 10 (3.69)                        |
|       | County or Local Police, Sheriff  | 1                      | 130,387              | 1 (0.85)                         |
|       | Public Transit Agency  | 0                      | 0                    | 0 (0.00)                         |
|       | State Department of Transportation (State DOT)   | 21                     | 3,990,527            | 26 (5.67)                        |
|       | State Legislature (State Senate, Delegates, Representatives)   | 8                      | 1,555,857            | 10 (3.69)                        |
|       | State Police, State Patrol, Highway Patrol   | 1                      | 154,997              | 1 (1.01)                         |
|       | Some Other Agency  | 18                     | 3,953,027            | 26 (5.53)                        |
|       | Don't know/don't remember  | 1                      | 225,956              | 0 (0.00)                         |
|       | Subtotal valid responses   | 79                     | 15,632,897           | 100                              |
|       | Refused  | 4                      | 614,972              |                                  |
|       | Appropriate skip   | 921                    | 184,458,830          |                                  |
|       | Total  | 1,004                  | 200,706,700          |                                  |
|       |  |                        |                      |                                  |
| T0350 | <b>To what extent was it easy for you to locate the right source for the information or services you needed?</b> |                        |                      |                                  |
|       | No extent  | 1                      | 118,356              | 8 (9.01)                         |
|       | A little extent  | 0                      | 0                    | 0 (0.00)                         |
|       | Some extent  | 1                      | 366,633              | 26 (23.43)                       |
|       | A great extent   | 0                      | 0                    | 0 (0.00)                         |
|       | A very great extent  | 2                      | 943,196              | 66 (25.17)                       |
|       | Subtotal valid responses   | 4                      | 1,428,186            | 100                              |
|       | Don't know   | 0                      | 0                    |                                  |
|       | Refused  | 0                      | 0                    |                                  |
|       | Appropriate skip   | 1,000                  | 199,278,514          |                                  |
|       | Total  | 1,004                  | 200,706,700          |                                  |

| Code  | Questionnaire Item   | Unweighted Count/Value | Weighted Count/Value | Weighted Percentage (Std. Error) |
|-------|--|------------------------|----------------------|----------------------------------|
| T0400 | <b>To what extent were the service providers courteous and professional?</b>     |                        |                      |                                  |
|       | No extent  | 0                      | 0                    | 0 (0.00)                         |
|       | A little extent  | 0                      | 0                    | 0 (0.00)                         |
|       | Some extent  | 1                      | 366,633              | 26 (23.43)                       |
|       | A great extent   | 2                      | 351,965              | 24 (19.49)                       |
|       | A very great extent  | 1                      | 709,588              | 50 (29.50)                       |
|       | Subtotal valid responses   | 4                      | 1,428,186            | 100                              |
|       | Don't know   | 0                      | 0                    |                                  |
|       | Refused  | 0                      | 0                    |                                  |
|       | Appropriate skip   | 1,000                  | 199,278,514          |                                  |
|       | Total  | 1,004                  | 200,706,700          |                                  |
|       |  |                        |                      |                                  |
| T0450 | <b>To what extent was the response timely?</b>                                   |                        |                      |                                  |
|       | No extent  | 0                      | 0                    | 0 (0.00)                         |
|       | A little extent  | 1                      | 366,633              | 26 (23.43)                       |
|       | Some extent  | 0                      | 0                    | 0 (0.00)                         |
|       | A great extent   | 2                      | 943,196              | 66 (25.17)                       |
|       | A very great extent  | 1                      | 118,356              | 8 (9.01)                         |
|       | Subtotal valid responses   | 4                      | 1,428,186            | 100                              |
|       | Don't know   | 0                      | 0                    |                                  |
|       | Refused  | 0                      | 0                    |                                  |
|       | Appropriate skip   | 1,000                  | 199,278,514          |                                  |
|       | Total  | 1,004                  | 200,706,700          |                                  |
|       |  |                        |                      |                                  |
| T0500 | <b>Overall, to what extent were you satisfied with the service you received?</b> |                        |                      |                                  |
|       | No extent  | 1                      | 233,609              | 16 (16.52)                       |
|       | A little extent  | 0                      | 0                    | 0 (0.00)                         |
|       | Some extent  | 1                      | 366,633              | 26 (23.43)                       |
|       | A great extent   | 1                      | 709,588              | 50 (29.50)                       |
|       | A very great extent  | 1                      | 118,356              | 8 (9.01)                         |
|       | Subtotal valid responses   | 4                      | 1,428,186            | 100                              |
|       | Don't know   | 0                      | 0                    |                                  |
|       | Refused  | 0                      | 0                    |                                  |
|       | Appropriate skip   | 1,000                  | 199,278,514          |                                  |
|       | Total  | 1,004                  | 200,706,700          |                                  |
|       |  |                        |                      |                                  |

| Code   | Questionnaire Item   | Unweighted Count/Value | Weighted Count/Value | Weighted Percentage (Std. Error) |
|--|--|------------------------|----------------------|----------------------------------|
| Section M - Operating Administration Modal Questions |  |                        |                      |                                  |
| MCG0100  | Are you aware of the kinds of services the Coast Guard provides? |                        |                      |                                  |
|  | Yes  | 506                    | 98,253,391           | 49 (1.83)                        |
|  | No   | 494                    | 101,721,316          | 51 (1.83)                        |
|  | Subtotal valid responses   | 1,000                  | 199,974,707          | 100                              |
|  | Don't know   | 4                      | 731,993              |                                  |
|  | Refused  | 0                      | 0                    |                                  |
|  | Total  | 1,004                  | 200,706,700          |                                  |
|  |  |                        |                      |                                  |
| MCG0150  | What kinds of services are you aware of?                         |                        |                      |                                  |
| MCG0150A   | Boating safety   |                        |                      |                                  |
|  | Yes  | 176                    | 30,996,921           | 33 (2.31)                        |
|  | None   | 313                    | 63,633,146           | 67 (2.31)                        |
|  | Subtotal valid responses   | 489                    | 94,630,067           | 100                              |
|  | Don't know   | 17                     | 3,623,324            |                                  |
|  | Refused  | 0                      | 0                    |                                  |
|  | Appropriate skip   | 498                    | 102,453,309          |                                  |
|  | Total  | 1,004                  | 200,706,700          |                                  |
|  |  |                        |                      |                                  |
| MCG0150B   | Icebreaking  |                        |                      |                                  |
|  | Yes  | 7                      | 1,635,478            | 2 (0.75)                         |
|  | None   | 482                    | 92,994,589           | 98 (0.75)                        |
|  | Subtotal valid responses   | 489                    | 94,630,067           | 100                              |
|  | Don't know   | 17                     | 3,623,324            |                                  |
|  | Refused  | 0                      | 0                    |                                  |
|  | Appropriate skip   | 498                    | 102,453,309          |                                  |
|  | Total  | 1,004                  | 200,706,700          |                                  |
|  |  |                        |                      |                                  |
| MCG0150C   | Law enforcement  |                        |                      |                                  |
|  | Yes  | 177                    | 33,450,148           | 35 (2.40)                        |
|  | None   | 312                    | 61,179,919           | 65 (2.40)                        |
|  | Subtotal valid responses   | 489                    | 94,630,067           | 100                              |
|  | Don't know   | 17                     | 3,623,324            |                                  |
|  | Refused  | 0                      | 0                    |                                  |
|  | Appropriate skip   | 498                    | 102,453,309          |                                  |
|  | Total  | 1,004                  | 200,706,700          |                                  |
|  |  |                        |                      |                                  |
| MCG0150D   | Marine environmental protection                                  |                        |                      |                                  |
|  | Yes  | 22                     | 4,321,647            | 5 (1.06)                         |
|  | None   | 467                    | 90,308,420           | 95 (1.06)                        |
|  | Subtotal valid responses   | 489                    | 94,630,067           | 100                              |
|  | Don't know   | 17                     | 3,623,324            |                                  |
|  | Refused  | 0                      | 0                    |                                  |
|  | Appropriate skip   | 498                    | 102,453,309          |                                  |
|  | Total  | 1,004                  | 200,706,700          |                                  |
|  |  |                        |                      |                                  |

| Code     | Questionnaire Item  | Unweighted Count/Value | Weighted Count/Value | Weighted Percentage (Std. Error) |
|----------|---|------------------------|----------------------|----------------------------------|
| MCG0150E | Navigation aids and information   |                        |                      |                                  |
|          | Yes   | 17                     | 2,742,223            | 3 (0.76)                         |
|          | None  | 472                    | 91,887,844           | 97 (0.76)                        |
|          | Subtotal valid responses  | 489                    | 94,630,067           | 100                              |
|          | Don't know  | 17                     | 3,623,324            |                                  |
|          | Refused   | 0                      | 0                    |                                  |
|          | Appropriate skip  | 498                    | 102,453,309          |                                  |
|          | Total   | 1,004                  | 200,706,700          |                                  |
|          |   |                        |                      |                                  |
| MCG0150F | Search and rescue   |                        |                      |                                  |
|          | Yes   | 362                    | 71,225,393           | 75 (2.14)                        |
|          | None  | 127                    | 23,404,674           | 25 (2.14)                        |
|          | Subtotal valid responses  | 489                    | 94,630,067           | 100                              |
|          | Don't know  | 17                     | 3,623,324            |                                  |
|          | Refused   | 0                      | 0                    |                                  |
|          | Appropriate skip  | 498                    | 102,453,309          |                                  |
|          | Total   | 1,004                  | 200,706,700          |                                  |
|          |   |                        |                      |                                  |
| MCG0150G | Other   |                        |                      |                                  |
|          | Yes   | 73                     | 13,842,158           | 15 (1.75)                        |
|          | None  | 416                    | 80,787,908           | 85 (1.75)                        |
|          | Subtotal valid responses  | 489                    | 94,630,067           | 100                              |
|          | Don't know  | 17                     | 3,623,324            |                                  |
|          | Refused   | 0                      | 0                    |                                  |
|          | Appropriate skip  | 498                    | 102,453,309          |                                  |
|          | Total   | 1,004                  | 200,706,700          |                                  |
|          |   |                        |                      |                                  |
| MNH0250  | <b>To what extent do you agree that in order to increase seat belt usage, vehicles should be equipped with reminder lights or audible signals, that periodically display or sound while the vehicle is in motion, to remind occupants that they are not wearing their seat belts?</b> |                        |                      |                                  |
|          | No extent   | 152                    | 29,698,548           | 15 (1.27)                        |
|          | A little extent   | 63                     | 12,184,431           | 6 (0.83)                         |
|          | Some extent   | 133                    | 28,086,794           | 14 (1.31)                        |
|          | A great extent  | 182                    | 38,014,127           | 19 (1.52)                        |
|          | A very great extent   | 462                    | 90,441,195           | 46 (1.82)                        |
|          | Subtotal valid responses  | 992                    | 198,425,096          | 100                              |
|          | Don't know  | 11                     | 2,133,759            |                                  |
|          | Refused   | 1                      | 147,845              |                                  |
|          | Total   | 1,004                  | 200,706,700          |                                  |

| Code    | Questionnaire Item   | Unweighted Count/Value | Weighted Count/Value | Weighted Percentage (Std. Error) |
|---------|--|------------------------|----------------------|----------------------------------|
| MNH0300 | To what extent do you agree that an indicator light in your vehicle that warns the driver about under-inflation in any of the vehicles' tires would allow you to be less concerned with routinely maintaining the recommended tire pressure? |                        |                      |                                  |
|         | No extent  | 98                     | 20,048,274           | 10 (1.12)                        |
|         | A little extent  | 73                     | 14,209,526           | 7 (0.94)                         |
|         | Some extent  | 178                    | 36,287,872           | 18 (1.44)                        |
|         | A great extent   | 242                    | 48,843,955           | 25 (1.56)                        |
|         | A very great extent  | 404                    | 79,389,235           | 40 (1.78)                        |
|         | Subtotal valid responses   | 995                    | 198,778,862          | 100                              |
|         | Don't know   | 9                      | 1,927,838            |                                  |
|         | Refused  | 0                      | 0                    |                                  |
|         | Total  | 1,004                  | 200,706,700          |                                  |

| Code                              | Questionnaire Item  | Unweighted Count/Value | Weighted Count/Value | Weighted Percentage (Std. Error) |
|-----------------------------------|---|------------------------|----------------------|----------------------------------|
| Section D - Demographic Questions |   |                        |                      |                                  |
| D0100                             | Do you <u>currently</u> have a disability or health condition that limits your use of transportation? |                        |                      |                                  |
|                                   | Yes   | 83                     | 14,078,965           | 7 (0.85)                         |
|                                   | No  | 916                    | 185,546,214          | 93 (0.85)                        |
|                                   | Subtotal valid responses  | 999                    | 199,625,179          | 100                              |
|                                   | Don't know  | 2                      | 282,099              |                                  |
|                                   | Refused   | 3                      | 799,422              |                                  |
|                                   | Total   | 1,004                  | 200,706,700          |                                  |
|                                   |   |                        |                      |                                  |
| D0150                             | What kinds of transportation cause problems for you?  |                        |                      |                                  |
| D0150A                            | Personal vehicle  |                        |                      |                                  |
|                                   | Yes   | 23                     | 4,661,879            | 38 (6.78)                        |
|                                   | None  | 46                     | 7,505,894            | 62 (6.78)                        |
|                                   | Subtotal valid responses  | 69                     | 12,167,773           | 100                              |
|                                   | Don't know  | 12                     | 1,736,177            |                                  |
|                                   | Refused   | 2                      | 175,014              |                                  |
|                                   | Appropriate skip  | 921                    | 186,627,735          |                                  |
|                                   | Total   | 1,004                  | 200,706,700          |                                  |
|                                   |   |                        |                      |                                  |
| D0150B                            | Organized carpool or vanpool  |                        |                      |                                  |
|                                   | Yes   | 1                      | 317,714              | 3 (2.57)                         |
|                                   | None  | 68                     | 11,850,059           | 97 (2.57)                        |
|                                   | Subtotal valid responses  | 69                     | 12,167,773           | 100                              |
|                                   | Don't know  | 12                     | 1,736,177            |                                  |
|                                   | Refused   | 2                      | 175,014              |                                  |
|                                   | Appropriate skip  | 921                    | 186,627,735          |                                  |
|                                   | Total   | 1,004                  | 200,706,700          |                                  |
|                                   |   |                        |                      |                                  |
| D0150C                            | City-to-city bus  |                        |                      |                                  |
|                                   | Yes   | 11                     | 1,429,488            | 12 (3.86)                        |
|                                   | None  | 58                     | 10,738,285           | 88 (3.86)                        |
|                                   | Subtotal valid responses  | 69                     | 12,167,773           | 100                              |
|                                   | Don't know  | 12                     | 1,736,177            |                                  |
|                                   | Refused   | 2                      | 175,014              |                                  |
|                                   | Appropriate skip  | 921                    | 186,627,735          |                                  |
|                                   | Total   | 1,004                  | 200,706,700          |                                  |
|                                   |   |                        |                      |                                  |
| D0150D                            | City-to-city train  |                        |                      |                                  |
|                                   | Yes   | 9                      | 1,253,024            | 10 (3.74)                        |
|                                   | None  | 60                     | 10,914,750           | 90 (3.74)                        |
|                                   | Subtotal valid responses  | 69                     | 12,167,773           | 100                              |
|                                   | Don't know  | 12                     | 1,736,177            |                                  |
|                                   | Refused   | 2                      | 175,014              |                                  |
|                                   | Appropriate skip  | 921                    | 186,627,735          |                                  |
|                                   | Total   | 1,004                  | 200,706,700          |                                  |
|                                   |   |                        |                      |                                  |



| Code   | Questionnaire Item   | Unweighted Count/Value | Weighted Count/Value | Weighted Percentage (Std. Error) |
|--------|--|------------------------|----------------------|----------------------------------|
| D0150E | Public transit within city or metropolitan area              |                        |                      |                                  |
|        | Yes  | 16                     | 2,304,359            | 19 (5.00)                        |
|        | None   | 53                     | 9,863,415            | 81 (5.00)                        |
|        | Subtotal valid responses                                     | 69                     | 12,167,773           | 100                              |
|        | Don't know   | 12                     | 1,736,177            |                                  |
|        | Refused  | 2                      | 175,014              |                                  |
|        | Appropriate skip   | 921                    | 186,627,735          |                                  |
|        | Total  | 1,004                  | 200,706,700          |                                  |
|        |  |                        |                      |                                  |
| D0150F | Commercial airplane  |                        |                      |                                  |
|        | Yes  | 8                      | 1,144,784            | 9 (3.86)                         |
|        | None   | 61                     | 11,022,989           | 91 (3.86)                        |
|        | Subtotal valid responses                                     | 69                     | 12,167,773           | 100                              |
|        | Don't know   | 12                     | 1,736,177            |                                  |
|        | Refused  | 2                      | 175,014              |                                  |
|        | Appropriate skip   | 921                    | 186,627,735          |                                  |
|        | Total  | 1,004                  | 200,706,700          |                                  |
|        |  |                        |                      |                                  |
| D0150G | Charter, private or corporate airplane                       |                        |                      |                                  |
|        | Yes  | 0                      | 0                    | 0 (0.00)                         |
|        | None   | 69                     | 12,167,773           | 0 (0.00)                         |
|        | Subtotal valid responses                                     | 69                     | 12,167,773           | 100                              |
|        | Don't know   | 12                     | 1,736,177            |                                  |
|        | Refused  | 2                      | 175,014              |                                  |
|        | Appropriate skip   | 921                    | 186,627,735          |                                  |
|        | Total  | 1,004                  | 200,706,700          |                                  |
|        |  |                        |                      |                                  |
| D0150H | Motorcycle, including motorized scooter or motorized bicycle |                        |                      |                                  |
|        | Yes  | 1                      | 103,310              | 1 (0.85)                         |
|        | None   | 68                     | 12,064,464           | 99 (0.85)                        |
|        | Subtotal valid responses                                     | 69                     | 12,167,773           | 100                              |
|        | Don't know   | 12                     | 1,736,177            |                                  |
|        | Refused  | 2                      | 175,014              |                                  |
|        | Appropriate skip   | 921                    | 186,627,735          |                                  |
|        | Total  | 1,004                  | 200,706,700          |                                  |
|        |  |                        |                      |                                  |
| D0150I | Bicycle  |                        |                      |                                  |
|        | Yes  | 0                      | 0                    | 0 (0.00)                         |
|        | None   | 69                     | 12,167,773           | 0 (0.00)                         |
|        | Subtotal valid responses                                     | 69                     | 12,167,773           | 100                              |
|        | Don't know   | 12                     | 1,736,177            |                                  |
|        | Refused  | 2                      | 175,014              |                                  |
|        | Appropriate skip   | 921                    | 186,627,735          |                                  |
|        | Total  | 1,004                  | 200,706,700          |                                  |

| Code   | Questionnaire Item   | Unweighted Count/Value | Weighted Count/Value | Weighted Percentage (Std. Error) |
|--------|--|------------------------|----------------------|----------------------------------|
| D0150J | Walking, running, or jogging                               |                        |                      |                                  |
|        | Yes  | 3                      | 534,619              | 4 (2.58)                         |
|        | None   | 66                     | 11,633,154           | 96 (2.58)                        |
|        | Subtotal valid responses                                   | 69                     | 12,167,773           | 100                              |
|        | Don't know   | 12                     | 1,736,177            |                                  |
|        | Refused  | 2                      | 175,014              |                                  |
|        | Appropriate skip   | 921                    | 186,627,735          |                                  |
|        | Total  | 1,004                  | 200,706,700          |                                  |
|        |  |                        |                      |                                  |
| D0150K | Commercial boat, ship or ferry                             |                        |                      |                                  |
|        | Yes  | 1                      | 317,714              | 3 (2.57)                         |
|        | None   | 68                     | 11,850,059           | 97 (2.57)                        |
|        | Subtotal valid responses                                   | 69                     | 12,167,773           | 100                              |
|        | Don't know   | 12                     | 1,736,177            |                                  |
|        | Refused  | 2                      | 175,014              |                                  |
|        | Appropriate skip   | 921                    | 186,627,735          |                                  |
|        | Total  | 1,004                  | 200,706,700          |                                  |
|        |  |                        |                      |                                  |
| D0150L | Other  |                        |                      |                                  |
|        | Yes  | 17                     | 3,063,598            | 25 (6.02)                        |
|        | None   | 52                     | 9,104,175            | 75 (6.02)                        |
|        | Subtotal valid responses                                   | 69                     | 12,167,773           | 100                              |
|        | Don't know   | 12                     | 1,736,177            |                                  |
|        | Refused  | 2                      | 175,014              |                                  |
|        | Appropriate skip   | 921                    | 186,627,735          |                                  |
|        | Total  | 1,004                  | 200,706,700          |                                  |
|        |  |                        |                      |                                  |
| D0200  | What problems do you experience?                           |                        |                      |                                  |
| D0200A | Difficulty/inability to get to transportation stop/station |                        |                      |                                  |
|        | Yes  | 2                      | 305,889              | 8 (5.62)                         |
|        | None   | 25                     | 3,456,475            | 92 (5.62)                        |
|        | Subtotal valid responses                                   | 27                     | 3,762,364            | 100                              |
|        | Don't know   | 0                      | 0                    |                                  |
|        | Refused  | 1                      | 137,909              |                                  |
|        | Appropriate skip   | 976                    | 196,806,428          |                                  |
|        | Total  | 1,004                  | 200,706,700          |                                  |
|        |  |                        |                      |                                  |
| D0200B | Transportation not equipped to accommodate condition       |                        |                      |                                  |
|        | Yes  | 7                      | 1,210,522            | 32 (10.32)                       |
|        | None   | 20                     | 2,551,841            | 68 (10.32)                       |
|        | Subtotal valid responses                                   | 27                     | 3,762,364            | 100                              |
|        | Don't know   | 0                      | 0                    |                                  |
|        | Refused  | 1                      | 137,909              |                                  |
|        | Appropriate skip   | 976                    | 196,806,428          |                                  |
|        | Total  | 1,004                  | 200,706,700          |                                  |

| Code   | Questionnaire Item   | Unweighted Count/Value | Weighted Count/Value | Weighted Percentage (Std. Error) |
|--------|--|------------------------|----------------------|----------------------------------|
| D0200C | Transportation operators not trained to accommodate condition                |                        |                      |                                  |
|        | Yes  | 1                      | 120,073              | 3 (3.16)                         |
|        | None   | 26                     | 3,642,290            | 97 (3.16)                        |
|        | Subtotal valid responses   | 27                     | 3,762,364            | 100                              |
|        | Don't know   | 0                      | 0                    |                                  |
|        | Refused  | 1                      | 137,909              |                                  |
|        | Appropriate skip   | 976                    | 196,806,428          |                                  |
|        | Total  | 1,004                  | 200,706,700          |                                  |
|        |  |                        |                      |                                  |
| D0200D | Crowded conditions on transportation   |                        |                      |                                  |
|        | Yes  | 1                      | 110,648              | 3 (2.93)                         |
|        | None   | 26                     | 3,651,716            | 97 (2.93)                        |
|        | Subtotal valid responses   | 27                     | 3,762,364            | 100                              |
|        | Don't know   | 0                      | 0                    |                                  |
|        | Refused  | 1                      | 137,909              |                                  |
|        | Appropriate skip   | 976                    | 196,806,428          |                                  |
|        | Total  | 1,004                  | 200,706,700          |                                  |
|        |  |                        |                      |                                  |
| D0200E | Other  |                        |                      |                                  |
|        | Yes  | 10                     | 1,241,646            | 33 (9.47)                        |
|        | None   | 17                     | 2,520,718            | 67 (9.47)                        |
|        | Subtotal valid responses   | 27                     | 3,762,364            | 100                              |
|        | Don't know   | 0                      | 0                    |                                  |
|        | Refused  | 1                      | 137,909              |                                  |
|        | Appropriate skip   | 976                    | 196,806,428          |                                  |
|        | Total  | 1,004                  | 200,706,700          |                                  |
|        |  |                        |                      |                                  |
| D0250  | Including yourself, how many people aged 18 or older live in your household? |                        |                      |                                  |
|        | Count  | 994                    | 197,935,078          |                                  |
|        | Mean   | 1.958753               | 2.351881             |                                  |
|        | Standard deviation   | 0.949537               | 0.06                 |                                  |
|        | Minimum  | 1                      | 1                    |                                  |
|        | 25th percentile  | 1                      | 2                    |                                  |
|        | Median   | 2                      | 2                    |                                  |
|        | 75th percentile  | 2                      | 3                    |                                  |
|        | Maximum  | 15                     | 15                   |                                  |

| Code   | Questionnaire Item  | Unweighted Count/Value | Weighted Count/Value | Weighted Percentage (Std. Error) |
|--------|---|------------------------|----------------------|----------------------------------|
| D0300  | <b>Please stop me when I reach the category that includes your age:</b> |                        |                      |                                  |
|        | 18 to 24 years  | 102                    | 30,295,255           | 15 (1.56)                        |
|        | 25 to 34  | 173                    | 34,017,074           | 17 (1.36)                        |
|        | 35 to 44  | 203                    | 42,034,864           | 21 (1.48)                        |
|        | 45 to 54  | 182                    | 37,009,760           | 19 (1.42)                        |
|        | 55 to 64  | 139                    | 22,877,589           | 12 (1.07)                        |
|        | 65 to 74  | 107                    | 18,687,278           | 9 (0.98)                         |
|        | 75 or older   | 90                     | 12,947,223           | 7 (0.76)                         |
|        | Subtotal valid responses  | 996                    | 197,869,043          | 100                              |
|        | Don't know  | 0                      | 0                    |                                  |
|        | Refused   | 8                      | 2,837,657            |                                  |
|        | Total   | 1,004                  | 200,706,700          |                                  |
| D0350  | <b>Are you male or female?</b>  |                        |                      |                                  |
|        | Male  | 441                    | 96,438,528           | 48 (1.83)                        |
|        | Female  | 563                    | 104,268,172          | 52 (1.83)                        |
|        | Subtotal valid responses  | 1,004                  | 200,706,700          | 100                              |
|        | Don't know  | 0                      | 0                    |                                  |
|        | Refused   | 0                      | 0                    |                                  |
|        | Total   | 1,004                  | 200,706,700          |                                  |
|        |   |                        |                      |                                  |
| D0400  | <b>Is the group that best describes you:</b>                            |                        |                      |                                  |
| D0400A | American Indian or Alaska native  |                        |                      |                                  |
|        | Yes   | 23                     | 2,829,072            | 1 (0.37)                         |
|        | None  | 962                    | 192,397,588          | 99 (0.37)                        |
|        | Subtotal valid responses  | 985                    | 195,226,660          | 100                              |
|        | Don't know  | 3                      | 563,480              |                                  |
|        | Refused   | 16                     | 4,916,560            |                                  |
|        | Total   | 1,004                  | 200,706,700          |                                  |
|        |   |                        |                      |                                  |
| D0400B | Asian   |                        |                      |                                  |
|        | Yes   | 17                     | 2,368,966            | 1 (0.33)                         |
|        | None  | 968                    | 192,857,695          | 99 (0.33)                        |
|        | Subtotal valid responses  | 985                    | 195,226,660          | 100                              |
|        | Don't know  | 3                      | 563,480              |                                  |
|        | Refused   | 16                     | 4,916,560            |                                  |
|        | Total   | 1,004                  | 200,706,700          |                                  |
|        |   |                        |                      |                                  |
| D0400C | Black or African-American   |                        |                      |                                  |
|        | Yes   | 100                    | 21,688,623           | 11 (1.19)                        |
|        | None  | 885                    | 173,538,038          | 89 (1.19)                        |
|        | Subtotal valid responses  | 985                    | 195,226,660          | 100                              |
|        | Don't know  | 3                      | 563,480              |                                  |
|        | Refused   | 16                     | 4,916,560            |                                  |
|        | Total   | 1,004                  | 200,706,700          |                                  |

| Code   | Questionnaire Item   | Unweighted Count/Value | Weighted Count/Value | Weighted Percentage (Std. Error) |
|--------|--|------------------------|----------------------|----------------------------------|
| D0400D | Hispanic or Latino   |                        |                      |                                  |
|        | Yes  | 59                     | 20,184,109           | 10 (1.37)                        |
|        | None   | 926                    | 175,042,552          | 90 (1.37)                        |
|        | Subtotal valid responses                                   | 985                    | 195,226,660          | 100                              |
|        | Don't know   | 3                      | 563,480              |                                  |
|        | Refused  | 16                     | 4,916,560            |                                  |
|        | Total  | 1,004                  | 200,706,700          |                                  |
|        |  |                        |                      |                                  |
| D0400E | Native Hawaiian or other Pacific Islander                  |                        |                      |                                  |
|        | Yes  | 4                      | 398,648              | 0 (0.11)                         |
|        | None   | 981                    | 194,828,012          | 100 (0.11)                       |
|        | Subtotal valid responses                                   | 985                    | 195,226,660          | 100                              |
|        | Don't know   | 3                      | 563,480              |                                  |
|        | Refused  | 16                     | 4,916,560            |                                  |
|        | Total  | 1,004                  | 200,706,700          |                                  |
|        |  |                        |                      |                                  |
| D0400F | White  |                        |                      |                                  |
|        | Yes  | 756                    | 145,800,798          | 75 (1.67)                        |
|        | None   | 229                    | 49,425,862           | 25 (1.67)                        |
|        | Subtotal valid responses                                   | 985                    | 195,226,660          | 100                              |
|        | Don't know   | 3                      | 563,480              |                                  |
|        | Refused  | 16                     | 4,916,560            |                                  |
|        | Total  | 1,004                  | 200,706,700          |                                  |
|        |  |                        |                      |                                  |
| D0400G | Other  |                        |                      |                                  |
|        | Yes  | 18                     | 2,685,856            | 1 (0.38)                         |
|        | None   | 967                    | 192,540,804          | 99 (0.38)                        |
|        | Subtotal valid responses                                   | 985                    | 195,226,660          | 100                              |
|        | Don't know   | 3                      | 563,480              |                                  |
|        | Refused  | 16                     | 4,916,560            |                                  |
|        | Total  | 1,004                  | 200,706,700          |                                  |
|        |  |                        |                      |                                  |
| D0450  | What is the highest level of education you have completed? |                        |                      |                                  |
|        | Less than high school graduate                             | 84                     | 17,088,253           | 9 (1.01)                         |
|        | High school graduate                                       | 304                    | 64,521,906           | 33 (1.75)                        |
|        | Some college   | 191                    | 39,110,725           | 20 (1.52)                        |
|        | Two-year college degree                                    | 91                     | 16,758,445           | 8 (0.95)                         |
|        | Four-year college degree                                   | 203                    | 38,328,172           | 19 (1.41)                        |
|        | Graduate degree  | 121                    | 21,840,239           | 11 (1.05)                        |
|        | Subtotal valid responses                                   | 994                    | 197,647,740          | 100                              |
|        | Don't know   | 2                      | 570,596              |                                  |
|        | Refused  | 8                      | 2,488,364            |                                  |
|        | Total  | 1,004                  | 200,706,700          |                                  |

| Code  | Questionnaire Item  | Unweighted Count/Value | Weighted Count/Value | Weighted Percentage (Std. Error) |
|-------|---|------------------------|----------------------|----------------------------------|
| D0500 | <b>Please stop me when I reach the category that includes your household's total annual income for last calendar year (that is, 2000):</b>  |                        |                      |                                  |
|       | Under \$15,000  | 111                    | 18,104,115           | 11 (1.15)                        |
|       | From \$15,000 to \$29,000   | 150                    | 27,642,896           | 17 (1.42)                        |
|       | From \$30,000 to \$49,000   | 244                    | 48,329,864           | 29 (1.82)                        |
|       | From \$50,000 to \$74,000   | 169                    | 37,326,820           | 22 (1.75)                        |
|       | From \$75,000 to \$99,000   | 77                     | 17,680,903           | 11 (1.28)                        |
|       | \$100,000 or more   | 92                     | 17,217,968           | 10 (1.17)                        |
|       | Subtotal valid responses  | 843                    | 166,302,567          | 100                              |
|       | Don't know  | 32                     | 7,884,791            |                                  |
|       | Refused   | 129                    | 26,519,342           |                                  |
|       | Total   | 1,004                  | 200,706,700          |                                  |
|       |   |                        |                      |                                  |
| D0550 | <b>Not including the telephone line you are using right now, are there any other lines in your household? Please do not count cellular phones, or phone lines that are <u>only</u> for computer or fax use.</b> |                        |                      |                                  |
|       | Yes   | 156                    | 18,864,683           | 10 (0.87)                        |
|       | No  | 838                    | 178,750,080          | 90 (0.87)                        |
|       | Subtotal valid responses  | 994                    | 197,614,762          | 100                              |
|       | Don't know  | 1                      | 282,327              |                                  |
|       | Refused   | 9                      | 2,809,611            |                                  |
|       | Total   | 1,004                  | 200,706,700          |                                  |
| D0700 | <b>How many additional lines do you have?</b>   |                        |                      |                                  |
|       | One   | 100                    | 13,708,758           | 73 (3.70)                        |
|       | Two   | 45                     | 4,160,470            | 22 (3.41)                        |
|       | Three   | 8                      | 706,238              | 4 (1.59)                         |
|       | Four or more  | 2                      | 121,642              | 1 (0.48)                         |
|       | Subtotal valid responses  | 155                    | 18,697,108           | 100                              |
|       | Don't know  | 0                      | 0                    |                                  |
|       | Refused   | 1                      | 167,575              |                                  |
|       | Appropriate skip  | 848                    | 181,842,017          |                                  |
|       | Total   | 1,004                  | 200,706,700          |                                  |
|       |   |                        |                      |                                  |
| D0750 | <b>Is the <u>primary use</u> of the additional line(s) for household use, business use, or both?</b>  |                        |                      |                                  |
|       | Household use only  | 100                    | 12,107,205           | 65 (4.40)                        |
|       | Business use only   | 23                     | 2,889,930            | 15 (3.23)                        |
|       | Both household and business use   | 32                     | 3,699,972            | 20 (3.65)                        |
|       | Subtotal valid responses  | 155                    | 18,697,108           | 100                              |
|       | Don't know  | 0                      | 0                    |                                  |
|       | Refused   | 1                      | 167,575              |                                  |
|       | Appropriate skip  | 848                    | 181,842,017          |                                  |
|       | Total   | 1,004                  | 200,706,700          |                                  |

---

## REFERENCES

---

### **Books:**

"Sampling of Populations: Methods and Applications," 3rd Ed., 1999, Paul S. Levy (School of Public Health, University of Illinois at Chicago) and Stanley Lemeshow (School of Public Health, University of Massachusetts)

"Practical Methods for Design and Analysis of Complex Surveys," 1995, Risto Lehtonen (The Social Insurance Institution, Finland) and Erkki J. Pahkinen (University of Jyväskylä)

"Sampling Techniques," 2<sup>nd</sup> Ed, 1967, William G. Cochran (Harvard University), Wiley

"SUDAAN Release 7.5, User's Manual Volume I and II," 1997, Babubhai V. Shah, Beth G. Barnwell and Gayle S. Bieler, Research Triangle Institute

### **Articles:**

"1999 Variance Estimation," National Survey of America's Families Methodology Report, 1999 Methodology Series, Report No. 4, prepared by J.M. Brick, P. Broene, D. Ferraro, T. Hankins, C. Rauch and T. Strickler, November 2000

"Pitfalls of Using Standard Statistical Software Packages for Sample Survey Data," Donna J. Brogan, Encyclopedia of Biostatistics, edited by P. Armitage and T. Colton, John Wiley, 1998

"Sampling and Weighting in the National Assessment", K. Rust and E. Johnson, Journal of Educational Statistics, 17(2): 111-129, 1992

"Poststratification and weighting adjustments," Andrew Gelman and John B. Carlin, Department of Statistics, Columbia University Working Paper, February 2000

"Sampling Variances for Surveys With Weighting, Poststratification, and Raking," Hao Lu and Andrew Gelman, Department of Statistics, Columbia University Working Paper, April 2000