

Houston-Galveston Area Council of Governments

2008-09

Regional Household Activity/Travel Survey

DRAFT Summary Report

Prepared by
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JuQH 2009



Overview

The Household/Activity Travel Survey for the Houston-Galveston metropolitan area consisted of households in Brazoria, Chambers, Fort Bend, Galveston, Harris, Liberty, Montgomery, and Waller counties. The primary objective for the survey was to gather accurate travel data from residents living in the region. The results of the survey will be used to update regional travel demand models. A wide range of data was gathered, including:

- trip production rates by trip purpose
- trip distribution by time of day
- trip length frequency distribution
- modal share of travel
- auto occupancies
- vehicle operating speeds

The survey for the Houston-Galveston Area Council of Governments (HGAC) consisted of households in the HGAC planning area. This report describes the sampling methodology that was used for the HGAC area and includes data in the trip table and appendices for respondents from the HGAC planning area only.

Selecting the Sample

At the beginning of the project, ETC Institute and representatives from TxDOT and TTI (Texas Transportation Institute) met to review the data requirements for the region's travel demand model. Since the primary purpose of the regional household activity travel survey is to support regional travel demand forecasting models, this meeting served as a forum to ensure the research team had a clear understanding of the data requirements for the region's travel demand model.

The sample was stratified on two variables: household size and annual household income. As specified by TxDOT, there were five categories for household size (1, 2, 3, 4, and 5+ persons) and five categories of household income (\$0-\$23,000, \$23,001-\$41,000, \$41,001-\$63,000, \$63,001-\$102,000, and \$102,001 or more). The total of all cells in was to be at least 5,700 complete and useable surveys. Tables 1 and 2 (below) shows the sampling goals and the actual number of completed surveys that were obtained for each combination of household size and income.

Table 1
 Sampling Goals by Type of Household

number of completed surveys

Income Ranges	Household Size 1		Household Size 2		Household Size 3		Household Size 4		Household Size 5+		Totals
	No. Workers		No. Workers		No. Workers		No. Workers		No. Workers		
	0	1	0	1 +	0	1 +	0	1 +	0	1 +	
\$0 to \$23,000	60	100	165	180	100	140	50	180	50	250	1175
\$23,001 to \$41,000	40	100	170	200	50	200		250		250	1210
\$41,001 to \$63,000	30	90	100	200		225		250		250	1115
\$63,001 to \$102,000		90	100	200		250		250		1240	
\$102,001 +		80	100	200	250	250		960			
Totals	130	460	535	880	150	1015	50	1180	50	1250	5700

Table 2
Distribution of Completed Surveys by Type of Household

number of completed surveys

Income Ranges	Household Size 1		Household Size 2		Household Size 3		Household Size 4		Household Size 5+		Totals
	No. Workers		No. Workers		No. Workers		No. Workers		No. Workers		
	0	1	0	1+	0	1+	0	1+	0	1+	
\$0 to \$23,000	81	97	215	165	92	139	47	149	53	142	1080
\$23,001 to \$41,000	50	113	204	208	58	208		226		231	1240
\$41,001 to \$63,000	53	94	111	203		243		231		235	1117
\$63,001 to \$102,000		86	117	228		250		257		231	1280
\$102,001 +		75		185		238		252		243	1104
Totals	184	465	647	989		150	1078	47	1115	53	1082

The total number of completed surveys exceeded the contractual goal by 110 surveys. The goal was to complete 5700. The actual number of completed surveys was 5810. There was good geographic representation from each of the eight counties that were included in the survey.

The number of completed surveys met or exceeded 90% of the goal for all combinations of household size and income with two exceptions. ETC Institute reached 88% of the goal (one short of the total) for (1) four-person households with incomes between \$0-\$17,499 and (2) four-person households with incomes between \$17,500-\$32,499. The goals for each cell were initially reached, but one survey from each cell was discarded during the final cleaning and processing of the survey data.

The actual number of completed surveys met or exceeded 90% of the goal for 50 of the 52 combinations of household size and income that were in the original sampling plan. ETC Institute did not reach the goal for employed households earning less than \$23,000 per year that had (1) four persons or (2) five or more persons. ETC Institute took significant measures to reach these populations, including the acquisition of marketing lists that were tailored to large, low income households. However, following Hurricane Ike, which occurred in September 2008, it became increasingly difficult to reach these groups.

In order to obtain the desired number of completed surveys, 45,836 telephone numbers were called. Of these:

- 8,525 (18.6%) resulted in contact with an eligible household that agreed to participate in the survey. Of those who initially agreed to participate in the survey, 5,810 households actually completed the survey.
- 18,976 (41.4%) resulted in contact with a household that refused to participate in the survey
- 4,675 (10.2%) resulted in contact with an ineligible household (including non-working, non-household, and non-voice lines)
- 13,659 (29.8%) were not able to be classified as eligible or ineligible after 8 call attempts

The table on the following page shows the total number of attempts that were made per completed survey by size of household. On average, one in every 7.9 households that were contacted completed a survey.

Household Size	Completed	Attempts	Attempts/Complete
One	649	4,348	6.7
Two	1,636	11,943	7.3
Three	1,228	9,456	7.7
Four	1,162	9,761	8.4
Five or more	1,135	10,329	9.1
Total	5,810	45,836	7.9

Designing the Survey

ETC Institute worked with TxDOT and TTI staff to develop the household activity travel survey instrument. The survey was designed to be a 24-hour household travel diary that was kept by each member of the household. The household survey recruitment script and travel diary were structured and worded to allow participants to answer the questions easily.

The activity/travel survey mail-out package included the following materials:

- A general information letter explaining the survey.
- An activity/travel survey for each member of the household.
- Travel-day reminder sheet.
- Postage-paid return envelope.
- Contact name and toll free number in the event that the household had questions or concerns.
- A letter thanking the household for their participation in the study.
- ETC Institute worked with TxDOT and TTI to develop the survey materials. Copies of the survey instruments and supporting materials are provided in Appendix F.

Pilot Survey. ETC Institute conducted a pilot survey with 61 households during the spring of 2007 to assess and evaluate the methods, materials, and processes

in conducting the activity/travel and GPS system data collection methods. The pilot survey included a complete pretest and evaluation of the full survey, including:

- sample generation
- telephone recruitment
- survey mail-out
- reminder call
- retrieval call
- data entry
- trip geocoding
- edit checks.

In addition, the pilot survey included the collection of trip data using GPS technology from 13 of the 61 households participating in the pilot survey. Key items that were assessed during the pilot survey included the following:

- **Response rate of households agreeing to participate in the survey via telephone recruitment:** Twenty-four percent (24%) or 80 of the 325 households that were initially contacted agreed to participate in the pilot test.
- **Proportion of recruited households providing complete travel survey data:** Of the households that initially agreed to participate, 76% or 61 of the 80 households actually provided complete travel survey data.
- **Adequacy of survey forms and scripts for recruitment and retrieval:** No problems were identified with the design of survey forms. Most participants indicated that the surveys were easy to understand.
- **Proper function of GPS hardware and downloading software:** No problems were encountered during the pilot survey.
- **Use of edit check programs to test data input and file structure for errors:** ETC Institute tested the initial edit check program that was provided by TTI. Based on the results of the pilot test, TTI made modifications to the edit check program.

Conducting the Household Activity Travel Survey

One factor that can greatly influence the quality of data collected is the percentage of households recruited that actually participate in the survey. A low response rate can inherently bias the survey results. Consequently, a great deal

of emphasis was placed on measures that would maximize the response rate to the survey.

Based on the results of the pilot survey, ETC Institute recruited 8,525 households from the H-GAC metropolitan area to participate in the survey. The goal was to have at least 5,700 households (or at least 67% of those recruited) provide complete travel diaries.

As a result of the thorough recruitment and aggressive follow-up procedures used by ETC Institute, the actual participation rate was 68.2%. A total of 5,810 of the 8,525 households that were recruited provided complete and useable surveys.

Building Awareness of the Household Survey. Given the private nature of the data to be collected, public awareness was an important factor to the success of the survey. Persons who participated in the pilot survey indicated that the initial letter from TxDOT was important because they knew the survey was legitimate.

ETC Institute worked with TxDOT to develop and administer an awareness campaign to inform the community about the survey. The campaign involved a two-tiered strategy.

- **Tier 1: General Awareness:** This tier involved building general awareness about the study in the region through newspaper and other general media sources. Press releases were sent by TxDOT to newspapers, radio stations, and television stations in the region. Prior to the survey, articles were published in area newspapers to promote the survey. Representatives from ETC Institute also met with representatives from each of the two metropolitan planning organizations in the study area.
- **Tier 2: Detailed Awareness.** The second tier involved direct communication with each of the households that were recruited to participate in the study. ETC Institute worked with TxDOT and TTI to design a series of direct mailings that included reminder letters, advance letters, and refrigerator magnet reminders. In addition, ETC Institute established local and toll-free numbers that allowed households in the study area to contact ETC Institute if they had questions about the study.

Survey Administration Procedures. ETC Institute administered the Household Activity Travel Survey to a randomly selected sample of 5,810 households in the H-GAC study area from September 2007 through May 2008 and from January through May 2009. The survey was originally scheduled to be completed in the fall of 2008. However, as a result of Hurricane Ike, which hit the area during early September 2008, the completion of the project was delayed until the spring of 2009.

Surveys were not administered when school was not in session (e.g., holiday periods and summer months) and for several weeks following Hurricane Ike. Each of the major elements of the survey administration process are briefly described below:

- **Pre-notification Letter.** ETC Institute mailed a pre-notification letter to all households that were randomly selected to participate in the survey. The letter was in both English and Spanish.
- **Initial Solicitation.** A few days after the pre-notification letters were mailed, ETC Institute called households, to solicit their participation in the survey. Bilingual interviewers were used to ensure Spanish speaking households were well represented. If a household agreed to participate, ETC Institute confirmed the address and collected household, vehicle, and person level data. This data included, but was not limited to, the following:
 - ⇒ Number of persons in the household.
 - ⇒ Annual household income and type of residence.
 - ⇒ Vehicle Information – number owned, number available, make, model, commercial or private use.
 - ⇒ Person information – age, sex, ethnicity, employment/student status, occupation by employment category.
 - ⇒ Employment Information – self-employed, employer name and address, home office/business, telecommuting.

Information that was gathered from each of the participating households was entered into the Household Database as soon as the household was recruited. Each household that was recruited was assigned a unique record number that allowed ETC Institute to monitor the household's participation in the survey throughout the survey administration process.

- **Mailing Travel Packets.** Following the recruitment call, ETC Institute mailed households that agreed to participate in the survey an activity/travel survey packet. The packets were typically mailed seven days in advance of the households assigned travel-day. Spanish versions of the survey instrument and travel diaries were provided for households that did not speak English.
- **Reminder Calls.** ETC Institute placed a reminder call to each household the day before they were scheduled to begin the travel survey. The pre-

travel day reminder call was used to confirm the household's participation and reception of survey packet. The call was also used to (1) review the procedures for recording travel information to ensure participants understood the importance of recording specific addresses, (2) answer any questions that the household may have regarding the survey, (3) schedule a call-back time for the data retrieval call, (4) stress the importance of the survey, and (5) emphasize the anonymity of the data provided.

- **Data Retrieval.** ETC Institute placed a follow-up call at a pre-arranged callback time within two days after travel diary activity was scheduled. This call was used to retrieve household activity and trip data. Every attempt was made to personally interview each of the people who completed a travel diary. In some cases a proxy provided information for household members who were not available. Adult members of the household usually reported the activities and trips for minors in the household. After the activity and household information had been obtained over the phone, each household was asked to return the activity/travel surveys by mail in the postage-paid envelope provided in the survey packet. When the packets were received, ETC Institute reviewed the information on the activity/travel surveys that were returned by mail to ensure they matched the data provided by phone. If there were discrepancies, ETC Institute called the household back to clarify any missing or unclear information. Among the 5,810 households that participated in the survey, ETC Institute was able to complete follow-up calls to verify the data provided with 5,589 (or 96% of the households). The average length of the retrieval interview was 36.1 minutes. Table 4 (below) shows the average length of the retrieval interview by size of household.

Household Size	Completed	Length (in minutes)
One	649	20.3
Two	1,636	29.4
Three	1,228	36.2
Four	1,162	41.2
Five or more	1,135	49.5
Total	5,810	36.1

- **Reporting of Income.** 100% of the households that participated in the household activity survey provided annual household income data. Of

these, 71% provided the information during the initial recruitment call; 24% provided the information during the data retrieval call, and 5% provided the information during a subsequent call. ETC Institute's interviewers explained the importance of providing the household income data during the initial recruitment, which is the reason the majority of participants provided the information early in the process. During retrieval process, participants were told that their data may not be useable if the income data was not provided. If a household still refused to provide the information, a senior manager from ETC Institute called the household to explain the reason the income data was needed. At this point in the process, all households that had not provided income information agreed to do so.

- **Mail Packet Returns.** Of the 5,810 households that participated in the survey, 5,589 provided their travel data by phone. Of these, 4,620 returned their completed travel diaries by mail following the retrieval of the data by phone. A total of 221 households returned their travel diaries by mail only and did not participate in a debriefing by phone. Overall, the quality of the surveys returned by mail only was comparable to the quality of the surveys that were completed by households that provided travel data by phone.
- **Thank You Letter.** After ETC Institute had received all completed surveys from a household, ETC Institute sent the household a note thanking them for their participation.

Conducting the Passive GPS Survey

ETC Institute asked each of the households that were recruited for the household travel survey to also participate in the passive data collection effort. The goal was to have a sub-sample of approximately 10% of the households recruited for the travel-diary survey to also participate in the passive GPS survey. To encourage participation, ETC Institute offered households incentives to all households that participated in the passive GPS survey. Household with one vehicle received \$50; households with two vehicles received \$75, and households with 3 or more vehicles received \$100.

Sampling Plan. The sample was stratified on two variables: household size and annual household income. There were five categories for household size (1, 2, 3, 4, and 5+ persons) and five categories of household income (\$0-\$23,000, \$23,001-\$41,000, \$41,001-\$63,000, \$63,001-\$102,000, and \$102,001 or more). Tables 5 and 6 (below) shows the sampling goals and the actual number of completed passive GPS surveys that were obtained for each combination of household size and income. A total of 595 passive GPS surveys were to be completed.

Table 5
GPS Survey Sampling Goals by Type of Household

number of completed surveys

Income Ranges	Household Size 1		Household Size 2		Household Size 3		Household Size 4		Household Size 5+		Totals	
	No. Workers		No. Workers		No. Workers		No. Workers		No. Workers			
	0	1	0	1 +	0	1 +	0	1 +	0	1 +		
\$0 to \$23,000	6	10	16	18	10	14	5	16	5	25	115	
\$23,001 to \$41,000	5	10	17	20	5	20		25		25		122
\$41,001 to \$63,000	5	9	10	20		22		25		25		111
\$63,001 to \$102,000		9	10	20		25		25		25		124
\$102,001 +	8		10	20	20	25		25		98		
Totals	16	46	53	88	15	101		5		116		5

Table 6

Distribution of Completed GPS Surveys by Type of Household

number of completed surveys

Income Ranges	Household Size 1		Household Size 2		Household Size 3		Household Size 4		Household Size 5+		Totals
	No. Workers		No. Workers		No. Workers		No. Workers		No. Workers		
	0	1	0	1+	0	1+	0	1+	0	1+	
\$0 to \$23,000	10	9	14	10	2	6	4	5	5	4	60
\$23,001 to \$41,000	14	17	19	27	7	16		13		14	120
\$41,001 to \$63,000	11	22	19	21		27		20		18	127
\$63,001 to \$102,000		6	27	29		24		23		22	143
\$102,001 +		6	46	26		29		23		148	
Totals	35	60	79	133	9	99	4	90	5	81	595

All households that agreed to participate in the household survey were eligible to participate in the passive GPS survey. The level of interest in participating in the passive GPS survey was significantly lower among low income households (see Table 6). In order to offset the lower response rate among the large, low income cells, ETC Institute offered all households in the lower income categories with more than two occupants \$100 regardless of the number of vehicles. Even with the incentive, lower income households were less willing to participate.

GPS Equipment. ETC Institute used LandAirSea 3100-INT Trip Recorders to collect the majority of the GPS survey data. The LandAirSea 3100-INT is battery operated unit with a motion detector and a self-contained antenna. The 3100-INT pauses when the car is not in motion and the units were programmed to stop recording if the vehicle speed fell below five miles per hour for a continuous period of 30 minutes or more. No effort was required by travel survey



participants to turn the unit on or off. The devices were placed in the windshield, or other area where signal would not be disrupted. If the vehicle had a working cigarette lighter, ETC Institute connected the GPS device to the lighter to provide backup power in the event the batteries failed.

Recruitment. A total of 714 households agreed to participate in the passive GPS Survey during the initial recruitment call. Of the 714 that originally agreed to participate, 595 actually participated in the passive GPS survey.

Rather than having ETC Institute staff drive to each of the participating households homes, ETC Institute installed the GPS devices at central locations in the Houston/Galveston area. Households that agreed to participate in the GPS Survey met ETC Institute representatives at a central facility to have the GPS device installed. Hotels were used for the installation and retrieval locations.

GPS Administration Process. Households that participated in the passive GPS data collection were involved in the project for three days:

- **Day 1:** The recruited households drove their vehicle(s) to a designated location in the Houston/Galveston metropolitan area. ETC Institute's bilingual staff installed the LandAirSea 3100-INT and explained how the GPS device

works. Final instructions and a hands-on demonstration were also given to each participant so that they understood how to properly record information on the written portion of the activity travel diary and to ensure that they understood how the GPS devices worked.

- **Day 2:** All household members recorded their travel information on the written household travel diaries. The 3100-INT recorded all vehicle travel data. The GPS data was only collected while the vehicle was in operation. Participants were given a local phone number to call if they had any questions.
- **Day 3:** All households returned to the same location where the 3100-INT was originally installed. Prior to returning, they called ETC Institute's call center and the travel data was retrieved by phone. Once the household had successfully communicated their travel data to ETC Institute's call center, they were instructed to return to the location where the GPS device was installed so that ETC Institute staff could retrieve the device. Once the household had returned the device and submitted the appropriate paperwork, the participants were given a cash incentive for their participation.

GPS Data Elements. The following types of GPS survey data were collected by ETC Institute:

- The position of the vehicle by longitude and latitude in one second increments and the time and date at each position.
- Distance and direction traveled since the last position.
- Vehicle's distance, speed, elevation, date, and heading.
- Times (by hour and minute) when survey vehicle engines were turned on and turned off.

The GPS data was delivered to TxDOT in an ASCII comma delimited format. Information that was submitted as part of the GPS Administrative File included the following:

1. GPS Unit ID Number
2. Household ID Number
3. GPS File Name
4. Vehicle Number
5. Household Travel Date
6. Vehicle Year
7. Vehicle Make
8. Vehicle Model
9. Beginning Odometer Reading
10. Ending Odometer Reading
11. Installation Date

12. Installation Time
13. Removal Date
14. Removal Time
15. GPS Power Source
16. Type of Vehicle

Verifying and Editing Survey Data

ETC Institute prepared four data files for the household travel survey including:

- Household Information file
- Personal Information file
- Vehicle Information file
- Activity/Trip Information file

ETC Institute conducted data processing and geocoding activities concurrently with the data collection task. This allowed a higher level of control on the quality of the completed data, since the daily attention to completed households allows for quick identification of where interviewer training may need to be strengthened.

As data were compiled into the database, they were edited and corrected. A data analyst from ETC Institute conducted ongoing verification of this aggregate, cumulative data file. ETC used a specialized program that was provided by TTI to perform routine and customized quality checks on the data to confirm that submitted data met TxDOT's standards as well as the project requirements. The edit check program was used to check the following:

- Data range checks to ensure data are not outside the expected ranges;
- Data checks for missing data, including a flag for persons who report no travel (this will be done by a combination of computerized queries and direct data viewing);
- Checks for high frequency of refusals or "don't know" responses (indication of item non-response);
- File consistency (household size matches number of person records, etc.);
- Consistency between arrival and departure times;
- Employment data for all respondents reporting a "work" activity; and
- Consistency among shared trips within the household.

Data validation was accomplished by comparing each record in the database against the criteria for a completed household established at the beginning of the project. ETC Institute sent “interim” data sets to TxDOT for review against the criteria for a completed household that were established at the beginning of the project. By allowing TxDOT to review the format of the data early in the project, ETC Institute was able to make adjustments in the structure of the database to ensure that the final datasets were in the format required.

ETC Institute then coded and entered all data into pre-specified ASCII file formats and forwarded the data to TxDOT. ETC Institute ensured that all text and data files were free of viruses.

Processing and Geocoding Methodology

The objective of this task was to geocode the survey responses by home address, work address and other destination addresses to study area polygon layers including counties, zip codes, and TxDOT travel demand model’s traffic analysis zones. The geocoding process built a spatial (x, y coordinate) database of the survey information supporting the development of trip generation rates and trip distribution parameters to be used in TxDOT’s regional travel demand model.

Pre-Processing of Survey Records. ETC Institute used several iterative data integrity checks and applied corrections before actual geocoding was conducted. This included standard checks for duplicate records and corrections to the spelling of street names and zip codes as well as a number of specialized write-queries designed to identify and fix any suspect data. This process of data preparation resulted in the high quality of the survey databases.

Geocoding Process. ETC Institute used a suite of modern software tools such as TransCAD, ArcView, Manifold GIS, and several custom geocoding and quality control engines to locate the survey records. Longitude and latitude were coded to an address, intersection, or site specific place name to within an accuracy of 1000 feet using a minimum of four and desired six decimal places. The key activities comprising the process and the approach to the geocoding process include:

- Developing consistent initial data coding (recording) requirements
- Acquiring and preparing suitable location reference GIS layers
- Geocoding the initial (pretest) results against the best reference layers

- Discussing data quality and requirements with TxDOT staff and implementing process revisions
- Merging all survey responses into a single database
- Preparing survey responses for geocoding
- Iteratively geocoding survey records and verifying match (hit) rates
- Modifying geocoding process and reference data as needed to increase total matches

Geocoding logic checks were performed on the survey database against the reference theme address database to check for inconsistencies. Any records that were not compatible with the source database were flagged for inspection.

The basic process for geocoding the data involved the following steps: First, trip end addresses with zip codes were coded. This included the subset of trip end addresses that corresponded to the household addresses (trips ending at HOME). Next, an attempt to geocode the remaining (unmatched) trip end addresses was made by making use of the geocoding software's ability to use location indices in place of zip codes to locate valid addresses. For each record, the geocoding engine tried to locate the trip end address by parsing through the street network within the state/city specified for the address. The remaining (unmatched) records were then further processed in small batches (address modifications/cleanup, intersection address format cleanup, manual geocoding to highway addresses and landmarks/businesses).

TransCAD was used as the main geocoding engine for the more complex portions of the database. While ArcView (now ArcGIS) was used as the primary geocoding tool where reference address layers were of high quality, additional coding flexibility was often needed for more complex or voluminous data sets. Upon satisfactory completion of the geocoding process, ETC Institute provided TxDOT with a complete set of all geocoded data files.

Summary of Appendices to This Report

This report contains six appendices. A brief description of each appendix is provided below:

Appendix A. This appendix contains tables that show the ***household data*** separately for Harris County and areas outside Harris County. The types of household data that are provided in this appendix include: household occupancy,

vehicle availability, type of residency, years of residency, annual income, and raw (unadjusted) household trip rates.

Appendix B. This appendix contains tables that show the *person data* separately for Harris County and areas outside Harris County. The types of person data that are provided in this appendix include: age, ethnicity, employment status, bicycle use, and other personal information.

Appendix C. This appendix contains tables that show the *vehicle data* separately for Harris County and areas outside Harris County. The types of vehicle data that are provided in this appendix include: types of vehicles, year of vehicles, vehicle make, type of fuel used, and other vehicle information.

Appendix D. This appendix contains the *recruitment script* that was used to solicit participation in the survey.

Appendix E. This appendix contains the *retrieval script* that was used to gather data from households after they completed their travel day.

Appendix F. This appendix contains *copies of the household travel diaries and notification letters*.

HGAC 2008-09 Household Activity/Travel Survey Trips Per Household (N=5810)						
Persons in Household						
Income		1	2	3	4	TOTAL
< \$17,500	Mean	3.01	4.58	6.33	11.81	6.83
	Median	2.00	4.00	6.00	10.00	5.00
	Std Error	0.22	0.23	0.33	0.46	0.20
	95% Low	2.59	4.14	5.69	10.90	6.44
	95% High	3.44	5.03	6.97	12.72	7.23
	Sample Size	N = 178	N = 380	N = 231	N = 332	N = 1121
	Total Trips	536	1742	1462	3922	7662
\$17,500 to \$32,499	Mean	3.98	5.80	8.78	14.00	9.21
	Median	4.00	5.00	8.00	12.00	8.00
	Std Error	0.23	0.24	0.39	0.41	0.22
	95% Low	3.52	5.34	8.00	13.20	8.78
	95% High	4.44	6.27	9.55	14.81	9.64
	Sample Size	N = 163	N = 412	N = 232	N = 492	N = 1299
	Total Trips	649	2390	2036	6889	11964
\$32,500 to \$49,999	Mean	4.04	6.86	8.81	16.40	10.83
	Median	3.50	6.00	8.00	14.00	9.00
	Std Error	0.24	0.27	0.33	0.43	0.25
	95% Low	3.56	6.34	8.16	15.56	10.35
	95% High	4.52	7.39	9.47	17.25	11.32
	Sample Size	N = 132	N = 314	N = 262	N = 480	N = 1188
	Total Trips	533	2155	2309	7874	12871
\$50,000 to \$74,999	Mean	4.55	7.32	10.62	17.35	12.09
	Median	4.00	7.00	10.00	16.00	10.00
	Std Error	0.29	0.26	0.37	0.47	0.27
	95% Low	3.98	6.82	9.89	16.43	11.57
	95% High	5.11	7.82	11.34	18.27	12.62
	Sample Size	N = 97	N = 312	N = 261	N = 496	N = 1166
	Total Trips	441	2283	2771	8606	14101
> \$75,000	Mean	4.06	7.89	11.54	18.71	13.64
	Median	4.00	8.00	11.00	17.00	12.00
	Std Error	0.33	0.32	0.37	0.45	0.29
	95% Low	3.42	7.26	10.81	17.82	13.06
	95% High	4.71	8.52	12.27	19.60	14.22
	Sample Size	N = 79	N = 218	N = 242	N = 497	N = 1036
	Total Trips	321	1720	2792	9300	14133
TOTAL	Mean	3.82	6.29	9.26	15.93	10.45
	Median	3.00	6.00	8.00	14.00	8.00
	Std Error	0.12	0.12	0.17	0.21	0.11
	95% Low	3.60	6.06	8.93	15.53	10.23
	95% High	4.05	6.52	9.59	16.33	10.68
	Sample Size	N = 649	N = 1636	N = 1228	N = 2297	N = 5810
	Total Trips	2480	10290	11370	36591	60731

Appendix A:
Household Data

Location of Participating Household By City

N=5810	<u>Q11a Household County</u>		<u>Total</u>
	Harris	Other	
Total	3930 67.6%	1880 32.4%	5810 100.0%

Q10 City

Houston	2468 62.7%	33 1.7%	2501 43.1%
Other	1462 37.3%	1847 98.3%	3309 56.9%

Household Occupancy

N=5810	<u>Q11a Household County</u>		<u>Total</u>
	Harris	Other	
Total	3930 67.6%	1880 32.4%	5810 100.0%

Q16 Number of Persons

1	498 12.7%	151 8.0%	649 11.2%
2	1132 28.8%	504 26.8%	1636 28.2%
3	811 20.6%	417 22.2%	1228 21.1%
4 or More	1489 37.9%	808 43.0%	2297 39.5%

Mean Household Occupancy

N=5810	<u>Q11a Household County</u>		<u>Total</u>
	Harris	Other	
Number	3930	1880	5810
Percent	67.6%	32.4%	100.0%

Q16 Number of Persons

Mean	3.1	3.4	3.2
------	-----	-----	-----

Number of Employed Persons Per Household

N=5810	<u>Q11a Household County</u>		<u>Total</u>
	Harris	Other	
Total	3930	1880	5810
	67.6%	32.4%	100.0%

Q17 Number Employed

0	730	351	1081
	18.6%	18.7%	18.6%
1	1583	738	2321
	40.3%	39.3%	39.9%
2	1141	563	1704
	29.0%	29.9%	29.3%
3 or More	476	228	704
	12.1%	12.1%	12.1%

Mean Number of Employed Persons Per Household

N=5810	<u>Q11a Household County</u>		<u>Total</u>
	<u>Harris</u>	<u>Other</u>	
Number	3930	1880	5810
Percent	67.6%	32.4%	100.0%

Q17 Number Employed

Mean	1.4	1.4	1.4
------	-----	-----	-----

Number of Vehicles Available

N=5810	<u>Q11a Household County</u>		<u>Total</u>
	<u>Harris</u>	<u>Other</u>	
Total	3930	1880	5810
	67.6%	32.4%	100.0%

Q18 Vehicles Available

0	110	26	136
	2.8%	1.4%	2.3%
1	850	309	1159
	21.6%	16.4%	19.9%
2	1748	872	2620
	44.5%	46.4%	45.1%
3 or More	1222	673	1895
	31.1%	35.8%	32.6%

Mean Number of Vehicles Available

N=5810	<u>Q11a Household County</u>		<u>Total</u>
	Harris	Other	
Number	3930	1880	5810
Percent	67.6%	32.4%	100.0%

Q18 Vehicles Available

Mean	2.2	2.3	2.2
------	-----	-----	-----

Number of Vehicles Owned

N=5810	<u>Q11a Household County</u>		<u>Total</u>
	Harris	Other	
Total	3930	1880	5810
	67.6%	32.4%	100.0%

Q19 Vehicles Owned

0	123	26	149
	3.1%	1.4%	2.6%
1	870	331	1201
	22.1%	17.6%	20.7%
2	1762	870	2632
	44.8%	46.3%	45.3%
3 or More	1175	653	1828
	29.9%	34.7%	31.5%

Mean Number of Vehicles Owned

N=5810	<u>Q11a Household County</u>		<u>Total</u>
	Harris	Other	
Number	3930	1880	5810
Percent	67.6%	32.4%	100.0%

Q19 Vehicles Owned

Mean	2.1	2.3	2.2
------	-----	-----	-----

Number of Bicycles Available

N=5810	<u>Q11a Household County</u>		<u>Total</u>
	Harris	Other	
Total	3930	1880	5810
	67.6%	32.4%	100.0%

Q20 Bikes

0	1988	856	2844
	50.6%	45.5%	49.0%
1	625	281	906
	15.9%	14.9%	15.6%
2	617	304	921
	15.7%	16.2%	15.9%
3 or More	700	439	1139
	17.8%	23.4%	19.6%

Mean Number of Bicycles Available

N=5809	<u>Q11a Household County</u>		<u>Total</u>
	Harris	Other	
Number	3930	1879	5809
Percent	67.7%	32.3%	100.0%

Q20 Bikes

Mean	1.2	1.4	1.3
------	-----	-----	-----

Type of Residence

N=5810	<u>Q11a Household County</u>		<u>Total</u>
	Harris	Other	
Total	3930	1880	5810
	67.6%	32.4%	100.0%

Q21 Residence

Unattached Single	3462	1669	5131
	88.1%	88.8%	88.3%
Condo	97	7	104
	2.5%	0.4%	1.8%
Duplex	33	11	44
	0.8%	0.6%	0.8%
Apartment	226	37	263
	5.8%	2.0%	4.5%
Mobile Home	69	150	219
	1.8%	8.0%	3.8%
Other	42	5	47
	1.1%	0.3%	0.8%
Don't Know	0	1	1
	0.0%	0.1%	0.0%
Refused	1	0	1
	0.0%	0.0%	0.0%

Tenure in the JOHRTS Area

N=5810	<u>Q11a Household County</u>		<u>Total</u>
	Harris	Other	
Total	3930 67.6%	1880 32.4%	5810 100.0%
<u>Q23 Tenure</u>			
Less than 1 year	108 2.7%	68 3.6%	176 3.0%
One year	109 2.8%	52 2.8%	161 2.8%
Two years	187 4.8%	96 5.1%	283 4.9%
Three years	191 4.9%	109 5.8%	300 5.2%
Four years	151 3.8%	66 3.5%	217 3.7%
Five or more	3181 80.9%	1488 79.1%	4669 80.4%
Refused	3 0.1%	1 0.1%	4 0.1%

Annual Household Income

N=5810

	<u>Q11a Household County</u>		<u>Total</u>
	Harris	Other	
Total	3930 67.6%	1880 32.4%	5810 100.0%

Q28 Income

Less than \$5,000	17 0.4%	7 0.4%	24 0.4%
\$5,000 to \$9,999	40 1.0%	16 0.9%	56 1.0%
\$10,000-\$14,999	99 2.5%	54 2.9%	153 2.6%
\$15,000-\$17,499	85 2.2%	60 3.2%	145 2.5%
\$17,500-\$19,999	129 3.3%	65 3.5%	194 3.3%
\$20,000-\$22,499	349 8.9%	200 10.6%	549 9.4%
\$22,500-\$24,999	64 1.6%	31 1.6%	95 1.6%
\$25,000-\$27,499	83 2.1%	32 1.7%	115 2.0%
\$27,500-\$29,999	84 2.1%	28 1.5%	112 1.9%
\$30,000-\$32,499	199 5.1%	96 5.1%	295 5.1%
\$32,500-\$34,999	116 3.0%	43 2.3%	159 2.7%

Annual Household Income

N=5810

	<u>Q11a Household County</u>		<u>Total</u>
	Harris	Other	
<u>Q28 Income (Cont.)</u>			
\$35,000-\$39,999	369 9.4%	154 8.2%	523 9.0%
\$40,000-\$44,999	155 3.9%	90 4.8%	245 4.2%
\$45,000-\$49,999	105 2.7%	66 3.5%	171 2.9%
\$50,000-\$54,999	170 4.3%	101 5.4%	271 4.7%
\$55,000-\$59,999	121 3.1%	63 3.4%	184 3.2%
\$60,000-\$64,999	194 4.9%	123 6.5%	317 5.5%
\$65,000-\$69,999	107 2.7%	57 3.0%	164 2.8%
\$70,000-\$74,999	139 3.5%	68 3.6%	207 3.6%
\$75,000-\$79,999	165 4.2%	72 3.8%	237 4.1%
\$80,000-\$99,999	378 9.6%	180 9.6%	558 9.6%
\$100,000-\$124,999	319 8.1%	111 5.9%	430 7.4%
\$125,000-\$149,999	160 4.1%	64 3.4%	224 3.9%

Annual Household Income

N=5810	<u>Q11a Household County</u>		<u>Total</u>
	Harris	Other	
<u>Q28 Income (Cont.)</u>			
\$150,000-\$199,999	160 4.1%	60 3.2%	220 3.8%
\$200,000+	123 3.1%	39 2.1%	162 2.8%

Annual Household Income for Sampling Purposes

N=5810	<u>Q11a Household County</u>		<u>Total</u>
	Harris	Other	
Total	3930 67.6%	1880 32.4%	5810 100.0%

Q29 Sample HH Income

<22,500	719 18.3%	402 21.4%	1121 19.3%
\$22,500-\$39,999	915 23.3%	384 20.4%	1299 22.4%
\$40,000-\$64,999	745 19.0%	443 23.6%	1188 20.4%
\$65,000-\$99,999	789 20.1%	377 20.1%	1166 20.1%
\$100K+	762 19.4%	274 14.6%	1036 17.8%

Number of Day Visitors on the Household's Travel Day

N=5810	<u>Q11a Household County</u>		<u>Total</u>
	Harris	Other	
Total	3930 67.6%	1880 32.4%	5810 100.0%
<u>Q30 Day Visitors</u>			
0	2735 69.6%	1267 67.4%	4002 68.9%
1	578 14.7%	307 16.3%	885 15.2%
2	310 7.9%	159 8.5%	469 8.1%
3	139 3.5%	80 4.3%	219 3.8%
4 or More	168 4.3%	67 3.6%	235 4.0%

Number of Overnight Visitors on the Household's Travel Day

N=5810	<u>Q11a Household County</u>		<u>Total</u>
	Harris	Other	
Total	3930 67.6%	1880 32.4%	5810 100.0%
<u>Q31 Overnight Visitors</u>			
0	3775 96.1%	1809 96.2%	5584 96.1%
1	105 2.7%	52 2.8%	157 2.7%
2	33 0.8%	10 0.5%	43 0.7%
3	13 0.3%	5 0.3%	18 0.3%
4 or More	4 0.1%	4 0.2%	8 0.1%

Are Any Vehicles Used for Deliveries?

N=5810	<u>Q11a Household County</u>		<u>Total</u>
	Harris	Other	
Total	3930 67.6%	1880 32.4%	5810 100.0%

Q32 Delivery Vehicle

Yes	255 6.5%	177 9.4%	432 7.4%
No	3675 93.5%	1703 90.6%	5378 92.6%

Number of Delivery Drivers in the Household

N=5810	<u>Q11a Household County</u>		<u>Total</u>
	Harris	Other	
Total	3930 67.6%	1880 32.4%	5810 100.0%

Q33 Number Delivery Driver

0	3675 93.5%	1703 90.7%	5378 92.6%
1	231 5.9%	166 8.8%	397 6.8%
2	21 0.5%	8 0.4%	29 0.5%
3	3 0.1%	1 0.1%	4 0.1%

Number of Times During the Past Year Household Were Without Phone Service

N=5810	<u>Q11a Household County</u>		<u>Total</u>
	Harris	Other	
Total	3930 67.6%	1880 32.4%	5810 100.0%
<u>Q34 Phone Service</u>			
0	3829 97.4%	1843 98.0%	5672 97.6%
1	71 1.8%	30 1.6%	101 1.7%
2	12 0.3%	3 0.2%	15 0.3%
3	6 0.2%	0 0.0%	6 0.1%
4	3 0.1%	1 0.1%	4 0.1%
5 or More	4 0.1%	1 0.1%	5 0.1%
Not Provided	5 0.1%	2 0.1%	7 0.1%

On average, how long without phone

N=5810	<u>Q11a Household County</u>		<u>Total</u>
	Harris	Other	
Total	3930 67.6%	1880 32.4%	5810 100.0%
<u>Q35 Time Without</u>			
Less than 1 week	61 64.2%	25 71.4%	86 66.2%
1 week-<2 weeks	11 11.6%	4 11.4%	15 11.5%
2 weeks-<1 month	9 9.5%	2 5.7%	11 8.5%
1 month-<3 month	2 2.1%	2 5.7%	4 3.1%
3 months-<6 mo	1 1.1%	2 5.7%	3 2.3%
6 months-<1 year	3 3.2%	0 0.0%	3 2.3%
1 year or more	2 2.1%	0 0.0%	2 1.5%
Don't Know	2 2.1%	0 0.0%	2 1.5%
Refused	4 4.2%	0 0.0%	4 3.1%

Were Vehicles Used By Non-HH Members

N=5810	<u>Q11a Household County</u>		<u>Total</u>
	Harris	Other	
Total	3930 67.6%	1880 32.4%	5810 100.0%

Q36 HH Vehicle Use by Non HH Member

Yes	37 0.9%	23 1.2%	60 1.0%
No	3817 97.1%	1839 97.8%	5656 97.3%
Zero Vehicle HH	76 1.9%	18 1.0%	94 1.6%

HOUSEHOLD TRIP RATES--COUNTY

<u>Q39 Total HH Trips</u>	<u>Mean</u>	<u>SD</u>	<u>N</u>	<u>Pct.</u>
For Entire Sample	10.45	8.68	5810	100.0%

Q11a Household County

Brazoria	0.00	0.00	0	0.0%
Chambers	0.00	0.00	0	0.0%
Fort Bend	0.00	0.00	0	0.0%
Galveston	0.00	0.00	0	0.0%
Harris	10.18	8.35	3930	67.6%
Liberty	0.00	0.00	0	0.0%
Montgomery	0.00	0.00	0	0.0%
Waller	0.00	0.00	0	0.0%
Other	11.02	9.32	1880	32.4%
No response	0.00	0.00	0	0.0%

HOUSEHOLD TRIP RATES--Trips by Household Size--ENTIRE SAMPLE

<u>Q39 Total HH Trips</u>	<u>Mean</u>	<u>SD</u>	<u>N</u>	<u>Pct.</u>
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For Entire Sample (Missing = 0)	10.45	8.68	5810	100.0%
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Q16 Number of Persons

1=1	3.82	2.94	649	11.2%
2=2	6.29	4.78	1636	28.2%
3=3	9.26	5.91	1228	21.1%
4=4 or More	15.93	9.89	2297	39.5%

HOUSEHOLD TRIP RATES--Trips by Household Size--JEFFERSON

--- No Response ---

HOUSEHOLD TRIP RATES--Trips by Household Size--OTHER AREAS

<u>Q39 Total HH Trips</u>	<u>Mean</u>	<u>SD</u>	<u>N</u>	<u>Pct.</u>
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For Entire Sample (Missing = 0)	11.02	9.32	1880	100.0%
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Q16 Number of Persons

1=1	3.74	2.89	151	8.0%
2=2	5.99	4.88	504	26.8%
3=3	9.32	6.38	417	22.2%
4=4 or More	16.39	10.43	808	43.0%

Total Trips Per Household: ALL AREAS

<u>Q39 Total HH Trips</u>	<u>Number</u>	<u>Percent</u>
000	437	7.5 %
001	16	0.3 %
002	486	8.4 %
003	171	2.9 %
004	488	8.4 %
005	219	3.8 %
006	468	8.1 %
007	205	3.5 %
008	446	7.7 %
009	220	3.8 %
010	357	6.1 %
011	222	3.8 %
012	295	5.1 %
013	169	2.9 %
014	226	3.9 %
015	129	2.2 %
016	147	2.5 %
017	116	2.0 %
018	131	2.3 %
019	92	1.6 %
020	104	1.8 %
021	62	1.1 %
022	87	1.5 %
023	50	0.9 %
024	61	1.0 %
025	38	0.7 %
026	50	0.9 %
027	45	0.8 %
028	43	0.7 %
029	20	0.3 %
030	23	0.4 %
031	25	0.4 %
032	21	0.4 %
033	7	0.1 %
034	13	0.2 %
035	14	0.2 %
036	13	0.2 %
037	15	0.3 %
38	6	0.1 %
039	12	0.2 %
040	5	0.1 %
041	5	0.1 %

Total Trips Per Household: ALL AREAS

<u>Q39 Total HH Trips</u>	<u>Number</u>	<u>Percent</u>
042	6	0.1 %
043	4	0.1 %
044	8	0.1 %
045	4	0.1 %
046	3	0.1 %
048	2	0.0 %
049	4	0.1 %
050	3	0.1 %
051	1	0.0 %
52	3	0.1 %
053	2	0.0 %
056	1	0.0 %
057	2	0.0 %
058	1	0.0 %
059	3	0.1 %
063	1	0.0 %
068	1	0.0 %
071	1	0.0 %
075	1	0.0 %
Total	5810	100.0 %

Appendix B:
Person Data

Gender

N=18676	<u>Q11a Household County</u>		<u>Total</u>
	Harris	Other	
Total	12331 66.0%	6345 34.0%	18676 100.0%

Q6 Sex

Male	5895 47.8%	3035 47.8%	8930 47.8%
Female	6436 52.2%	3310 52.2%	9746 52.2%

Ethnicity of Survey Participants

N=18676	<u>Q11a Household County</u>		<u>Total</u>
	Harris	Other	
Total	12331 66.0%	6345 34.0%	18676 100.0%

Q7 Ethnicity

Black/African	2457 19.9%	631 9.9%	3088 16.5%
Hispanic/Mexican	2306 18.7%	745 11.7%	3051 16.3%
Asian/Pacific Islander	398 3.2%	159 2.5%	557 3.0%
Native American	95 0.8%	53 0.8%	148 0.8%
White/Caucasian	6994 56.7%	4735 74.6%	11729 62.8%
Other Group	53 0.4%	13 0.2%	66 0.4%
Refused	28 0.2%	9 0.1%	37 0.2%

Age

N=18676	Q11a Household County		Total
	Harris	Other	
Total	12331 66.0%	6345 34.0%	18676 100.0%
<u>Q9 Age</u>			
4 and Under	742 6.0%	438 6.9%	1180 6.3%
5 thru 9	810 6.6%	485 7.6%	1295 6.9%
10 thru 14	829 6.7%	508 8.0%	1337 7.2%
15 thru 19	973 7.9%	483 7.6%	1456 7.8%
20 thru 29	1188 9.6%	566 8.9%	1754 9.4%
30 thru 39	1086 8.8%	592 9.3%	1678 9.0%
40 thru 49	1584 12.8%	831 13.1%	2415 12.9%
50 thru 64	2931 23.8%	1362 21.5%	4293 23.0%
65 thru 74	1397 11.3%	680 10.7%	2077 11.1%
75 and Over	791 6.4%	400 6.3%	1191 6.4%

Licensed Driver Status

N=18676	<u>Q11a Household County</u>		<u>Total</u>
	<u>Harris</u>	<u>Other</u>	
Total	12331 66.0%	6345 34.0%	18676 100.0%

Q10 Licensed Driver

Yes	8633 70.0%	4355 68.6%	12988 69.5%
No	3693 30.0%	1989 31.3%	5682 30.4%
Don't Know	1 0.0%	1 0.0%	2 0.0%
Refused	3 0.0%	0 0.0%	3 0.0%

Employment Status

N=18676	<u>Q11a Household County</u>		<u>Total</u>
	<u>Harris</u>	<u>Other</u>	
Total	12331 66.0%	6345 34.0%	18676 100.0%

Q11 Employment

Yes	5443 44.1%	2606 41.1%	8049 43.1%
No	6888 55.9%	3739 58.9%	10627 56.9%

Type of Employment

N=8049

	<u>Q11a Household County</u>		<u>Total</u>
	<u>Harris</u>	<u>Other</u>	
Total	5443 67.6%	2606 32.4%	8049 100.0%

Q12 Employment Status

Full time	3810 70.0%	1858 71.3%	5668 70.4%
Part time	932 17.1%	411 15.8%	1343 16.7%
Self-Employed Full-Time	487 8.9%	233 8.9%	720 8.9%
Self-Employed Part-Time	214 3.9%	103 4.0%	317 3.9%

Hours Employed Per Week

N=8049	<u>Q11a Household County</u>		<u>Total</u>
	<u>Harris</u>	<u>Other</u>	
Total	5443 67.6%	2606 32.4%	8049 100.0%
<u>Q13 Hours</u>			
1-10 Hours	206 3.8%	104 4.0%	310 3.9%
11-20 Hours	619 11.4%	248 9.5%	867 10.8%
21-30 Hours	571 10.5%	258 9.9%	829 10.3%
31-35 Hours	231 4.2%	116 4.5%	347 4.3%
36-40 Hours	2496 45.9%	1247 47.9%	3743 46.5%
41 or More Hours	1320 24.3%	633 24.3%	1953 24.3%

Reasons Not Employed

N=18676	<u>Q11a Household County</u>		<u>Total</u>
	<u>Harris</u>	<u>Other</u>	
Total	12331 66.0%	6345 34.0%	18676 100.0%
<u>Q14 Not Employed</u>			
Retired	1833 26.6%	969 25.9%	2802 26.3%
Disability	512 7.4%	278 7.4%	790 7.4%
Homemaker	846 12.3%	445 11.9%	1291 12.1%
Looking for work	319 4.6%	124 3.3%	443 4.2%
Not looking	101 1.5%	51 1.4%	152 1.4%
Student	2784 40.4%	1600 42.7%	4384 41.2%
Other	494 7.2%	276 7.4%	770 7.2%
Refused	2 0.0%	1 0.0%	3 0.0%

Delivery Drivers

N=8049	<u>Q11a Household County</u>		<u>Total</u>
	<u>Harris</u>	<u>Other</u>	
Total	5443 67.6%	2606 32.4%	8049 100.0%

Q16 Delivery

Yes	282 5.2%	194 7.4%	476 5.9%
No	5161 94.8%	2412 92.6%	7573 94.1%

Work Schedule

N=8049	<u>Q11a Household County</u>		<u>Total</u>
	<u>Harris</u>	<u>Other</u>	
Total	5443 67.6%	2606 32.4%	8049 100.0%

Q17 Flex Time

Flexible/ Variable	2142 39.4%	1048 40.3%	3190 39.7%
Fixed/ Unchanging	3289 60.5%	1554 59.7%	4843 60.2%
Refused	7 0.1%	1 0.0%	8 0.1%

Percentage of Employed Participants with More than One Job

N=8049	<u>Q11a Household County</u>		<u>Total</u>
	<u>Harris</u>	<u>Other</u>	
Total	5443 67.6%	2606 32.4%	8049 100.0%
<u>Q18 Job</u>			
Yes	224 4.1%	97 3.7%	321 4.0%
No	5218 95.9%	2509 96.3%	7727 96.0%

Primary Workplace Type

N=8049

	Q11a Household County		Total
	Harris	Other	
Total	5443 67.6%	2606 32.4%	8049 100.0%

Q20 Workplace Type

Office Non-govt	1614 29.7%	649 24.9%	2263 28.1%
Office Govt	264 4.9%	153 5.9%	417 5.2%
Retail/Shopping	605 11.1%	319 12.2%	924 11.5%
Industrial/Mfg	689 12.7%	390 15.0%	1079 13.4%
Medical	418 7.7%	228 8.7%	646 8.0%
Education/K-12	544 10.0%	272 10.4%	816 10.1%
Education-Colleg	143 2.6%	65 2.5%	208 2.6%
Residential	527 9.7%	237 9.1%	764 9.5%
Airport	55 1.0%	16 0.6%	71 0.9%
Eating Establish	194 3.6%	75 2.9%	269 3.3%
Other	387 7.1%	201 7.7%	588 7.3%

Primary Workplace Type

N=8049	<u>Q11a Household County</u>		<u>Total</u>
	<u>Harris</u>	<u>Other</u>	
<u>Q20 Workplace Type (Cont.)</u>			
Refused	3 0.1%	1 0.0%	4 0.0%

Percentage of Employed Participants Who Have a Home Office

N=8049	<u>Q11a Household County</u>		<u>Total</u>
	<u>Harris</u>	<u>Other</u>	
Total	5443 67.6%	2606 32.4%	8049 100.0%
<u>Q22 Home Office</u>			
Yes	535 9.8%	259 9.9%	794 9.9%
No	4907 90.2%	2346 90.0%	7253 90.1%
Don't Know	1 0.0%	1 0.0%	2 0.0%

Percentage of Employed Participants Who Telecommute

N=8049	<u>Q11a Household County</u>		<u>Total</u>
	<u>Harris</u>	<u>Other</u>	
Total	5443 67.6%	2606 32.4%	8049 100.0%
<u>Q23 Telecommute</u>			
Yes	712 13.1%	297 11.4%	1009 12.5%
No	4729 86.9%	2308 88.6%	7037 87.4%
Don't Know	0 0.0%	1 0.0%	1 0.0%
Refused	1 0.0%	0 0.0%	1 0.0%

County Where Employed

N=8049	<u>Q11a Household County</u>		<u>Total</u>
	<u>Harris</u>	<u>Other</u>	
Total	5443 67.6%	2606 32.4%	8049 100.0%
<u>Q26 Workplace County</u>			
Brazoria	31 0.6%	362 13.9%	393 4.9%
Chambers	15 0.3%	46 1.8%	61 0.8%
Fort Bend	71 1.3%	293 11.2%	364 4.5%
Galveston	56 1.0%	308 11.8%	364 4.5%
Harris	5102 93.7%	895 34.3%	5997 74.5%
Liberty	8 0.1%	136 5.2%	144 1.8%
Montgomery	61 1.1%	465 17.8%	526 6.5%
Waller	8 0.1%	34 1.3%	42 0.5%
Jefferson	1 0.0%	15 0.6%	16 0.2%
Hardin	0 0.0%	1 0.0%	1 0.0%
Other	72 1.3%	44 1.7%	116 1.4%

County Where Employed

N=8049

Q11a Household County		Total
Harris	Other	

Q26 Workplace County (Cont.)

Dont know	0 0.0%	1 0.0%	1 0.0%
Refused	18 0.3%	6 0.2%	24 0.3%

Days Worked Per Week

N=8049	Q11a Household County		Total
	Harris	Other	
Total	5443 67.6%	2606 32.4%	8049 100.0%
<u>Q32 Days Worked</u>			
1 Day	88 1.6%	21 0.8%	109 1.4%
2 Days	189 3.5%	107 4.1%	296 3.7%
3 Days	493 9.1%	230 8.8%	723 9.0%
4 Days	471 8.7%	238 9.1%	709 8.8%
5 Days	3612 66.4%	1698 65.2%	5310 66.0%
6 Days	394 7.2%	206 7.9%	600 7.5%
7 Days	193 3.5%	104 4.0%	297 3.7%
Don't Know	0 0.0%	1 0.0%	1 0.0%
Refused	3 0.1%	1 0.0%	4 0.0%

Days Worked at Home

N=8049	<u>Q11a Household County</u>		<u>Total</u>
	<u>Harris</u>	<u>Other</u>	
Total	5443 67.6%	2606 32.4%	8049 100.0%
 <u>Q33 Work at Home</u>			
Did not work at home	4594 84.4%	2238 85.9%	6832 84.9%
1 Day	171 3.1%	60 2.3%	231 2.9%
2 Days	126 2.3%	47 1.8%	173 2.1%
3 Days	110 2.0%	51 2.0%	161 2.0%
4 Days	58 1.1%	26 1.0%	84 1.0%
5 Days	203 3.7%	102 3.9%	305 3.8%
6 Days	44 0.8%	23 0.9%	67 0.8%
7 Days	84 1.5%	48 1.8%	132 1.6%
Refused	53 1.0%	11 0.4%	64 0.8%

Second Workplace Type

N=321	<u>Q11a Household County</u>		<u>Total</u>
	<u>Harris</u>	<u>Other</u>	
Total	224 69.8%	97 30.2%	321 100.0%

Q34 Second Job Type

Office Non-govt	25 11.2%	9 9.3%	34 10.6%
Office Govt	10 4.5%	6 6.2%	16 5.0%
Retail/Shopping	24 10.7%	4 4.1%	28 8.7%
Industrial/Mfg	8 3.6%	2 2.1%	10 3.1%
Medical	13 5.8%	9 9.3%	22 6.9%
Education/K-12	14 6.3%	6 6.2%	20 6.2%
Education-Colleg	19 8.5%	11 11.3%	30 9.3%
Residential	40 17.9%	16 16.5%	56 17.4%
Airport	2 0.9%	1 1.0%	3 0.9%
Eating Establish	11 4.9%	8 8.2%	19 5.9%
Other	32 14.3%	16 16.5%	48 15.0%

Second Workplace Type

N=321	<u>Q11a Household County</u>		<u>Total</u>
	<u>Harris</u>	<u>Other</u>	
<u>Q34 Second Job Type (Cont.)</u>			
Refused	26 11.6%	9 9.3%	35 10.9%

Secondary Job Status

N=321	<u>Q11a Household County</u>		<u>Total</u>
	<u>Harris</u>	<u>Other</u>	
Total	224 69.8%	97 30.2%	321 100.0%

Q36 Second Job Employment Status

Full Time	15 6.7%	6 6.2%	21 6.5%
Part Time	130 58.0%	59 60.8%	189 58.9%
Self-Employed Full-Time	2 0.9%	4 4.1%	6 1.9%
Self-Employed Part-Time	51 22.8%	19 19.6%	70 21.8%
Refused	26 11.6%	9 9.3%	35 10.9%

Primary Occupation

N=8049

	<u>Q11a Household County</u>		<u>Total</u>
	<u>Harris</u>	<u>Other</u>	
Total	5443 67.6%	2606 32.4%	8049 100.0%

Q38 Primary Occupation

Management	2388 43.9%	1093 41.9%	3481 43.2%
Service	1829 33.6%	914 35.1%	2743 34.1%
Sales and Office	753 13.8%	323 12.4%	1076 13.4%
Farming/Fishing	9 0.2%	20 0.8%	29 0.4%
Construction	226 4.2%	137 5.3%	363 4.5%
Production/Trans	233 4.3%	116 4.5%	349 4.3%
Don't Know	1 0.0%	0 0.0%	1 0.0%
Refused	4 0.1%	3 0.1%	7 0.1%

Primary Industry

N=8049

	<u>Q11a Household County</u>		<u>Total</u>
	<u>Harris</u>	<u>Other</u>	
Total	5443 67.6%	2606 32.4%	8049 100.0%

Q39 Primary Industry

Agriculture	30 0.6%	24 0.9%	54 0.7%
Construction	284 5.2%	200 7.7%	484 6.0%
Manufacturing	703 12.9%	350 13.4%	1053 13.1%
Wholesale trade	89 1.6%	22 0.8%	111 1.4%
Retail trade	671 12.3%	339 13.0%	1010 12.5%
Transportation	330 6.1%	139 5.3%	469 5.8%
Information	129 2.4%	41 1.6%	170 2.1%
Finance/Insuranc	412 7.6%	156 6.0%	568 7.1%
Professional	562 10.3%	227 8.7%	789 9.8%
Education/Health	1339 24.6%	661 25.4%	2000 24.8%
Arts/Entertain	364 6.7%	139 5.3%	503 6.2%

Primary Industry

N=8049

Q11a Household County		Total
Harris	Other	

Q39 Primary Industry (Cont.)

Other services	390 7.2%	208 8.0%	598 7.4%
Public Admin	131 2.4%	97 3.7%	228 2.8%
Don't Know	1 0.0%	1 0.0%	2 0.0%
Refused	8 0.1%	2 0.1%	10 0.1%

Secondary Occupation

N=321	Q11a Household County		Total
	Harris	Other	
Total	224 69.8%	97 30.2%	321 100.0%
<u>Q40 Secondary Occupation</u>			
Management	62 27.7%	32 33.0%	94 29.3%
Service	96 42.9%	41 42.3%	137 42.7%
Sales and Office	30 13.4%	6 6.2%	36 11.2%
Farming/Fishing	1 0.4%	5 5.2%	6 1.9%
Construction	6 2.7%	2 2.1%	8 2.5%
Production/Trans	2 0.9%	2 2.1%	4 1.2%
Refused	27 12.1%	9 9.3%	36 11.2%

Secondary Industry

N=321	Q11a Household County		Total
	Harris	Other	
Total	224 69.8%	97 30.2%	321 100.0%
<u>Q41 Secondary Industry</u>			
Agriculture	0 0.0%	6 6.2%	6 1.9%
Construction	7 3.1%	5 5.2%	12 3.7%
Manufacturing	9 4.0%	1 1.0%	10 3.1%
Wholesale trade	1 0.4%	0 0.0%	1 0.3%
Retail trade	29 12.9%	5 5.2%	34 10.6%
Transportation	10 4.5%	2 2.1%	12 3.7%
Information	4 1.8%	1 1.0%	5 1.6%
Finance/Insuranc	12 5.4%	3 3.1%	15 4.7%
Professional	8 3.6%	7 7.2%	15 4.7%
Education/Health	56 25.0%	28 28.9%	84 26.2%
Arts/Entertain	26 11.6%	12 12.4%	38 11.8%

Secondary Industry

N=321

	<u>Q11a Household County</u>		<u>Total</u>
	<u>Harris</u>	<u>Other</u>	

Q41 Secondary Industry (Cont.)

Other services	29 12.9%	11 11.3%	40 12.5%
Public Admin	4 1.8%	6 6.2%	10 3.1%
Refused	29 12.9%	10 10.3%	39 12.1%

Student Status

N=18676

	<u>Q11a Household County</u>		<u>Total</u>
	<u>Harris</u>	<u>Other</u>	

Total	12331 66.0%	6345 34.0%	18676 100.0%
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Q42 Student Status

Yes	3391 27.5%	1863 29.4%	5254 28.1%
No	8929 72.4%	4477 70.6%	13406 71.8%
Refused	11 0.1%	4 0.1%	15 0.1%

School Type

N=5254	<u>Q11a Household County</u>		<u>Total</u>
	<u>Harris</u>	<u>Other</u>	
Total	3391 64.5%	1863 35.5%	5254 100.0%
 <u>Q43 School Type</u>			
Day Care/Pre-sch	296 8.7%	184 9.9%	480 9.1%
K-12th	2269 66.9%	1268 68.1%	3537 67.3%
Post Secondary	733 21.6%	329 17.7%	1062 20.2%
Other	87 2.6%	81 4.3%	168 3.2%
Don't Know	4 0.1%	1 0.1%	5 0.1%
Refused	2 0.1%	0 0.0%	2 0.0%

Number of Days Used Bike in Past Week

N=18676	<u>Q11a Household County</u>		<u>Total</u>
	<u>Harris</u>	<u>Other</u>	
Total	12331 66.0%	6345 34.0%	18676 100.0%
<u>Q46 Bike Use</u>			
00	10800 87.6%	5435 85.7%	16235 86.9%
01	354 2.9%	181 2.9%	535 2.9%
02	348 2.8%	240 3.8%	588 3.1%
03	300 2.4%	157 2.5%	457 2.4%
04	107 0.9%	89 1.4%	196 1.0%
05	130 1.1%	66 1.0%	196 1.0%
06	34 0.3%	33 0.5%	67 0.4%
07	215 1.7%	138 2.2%	353 1.9%
Refused	43 0.3%	6 0.1%	49 0.3%

Purpose for Using Bike

N=2441

	Q11a Household County		Total
	Harris	Other	
Total	1531 62.7%	910 37.3%	2441 100.0%

Q47 Bike Purpose

Work	21 1.4%	4 0.4%	25 1.0%
School	45 3.0%	38 4.2%	83 3.5%
Shopping	12 0.8%	3 0.3%	15 0.6%
Visiting	16 1.1%	14 1.5%	30 1.3%
Recreation	1304 87.6%	811 89.7%	2115 88.4%
Don't Know	88 5.9%	34 3.8%	122 5.1%
Refused	2 0.1%	0 0.0%	2 0.1%

Disability Status

N=18676	<u>Q11a Household County</u>		<u>Total</u>
	<u>Harris</u>	<u>Other</u>	
Total	12331 66.0%	6345 34.0%	18676 100.0%

Q48 Disability

Yes	781 6.3%	491 7.7%	1272 6.8%
No	11544 93.6%	5853 92.2%	17397 93.2%
Don't Know	1 0.0%	0 0.0%	1 0.0%
Refused	4 0.0%	1 0.0%	5 0.0%

Travel on Designated Travel Day

N=18676	<u>Q11a Household County</u>		<u>Total</u>
	<u>Harris</u>	<u>Other</u>	
Total	12331 66.0%	6345 34.0%	18676 100.0%

Q49 Travel

Yes	9810 79.6%	5039 79.4%	14849 79.5%
No	2166 17.6%	1141 18.0%	3307 17.7%
Out of area	355 2.9%	165 2.6%	520 2.8%

Appendix C:
Vehicle Data

Type of Vehicle

N=12901

	<u>Q11a Household County</u>		<u>Total</u>
	Harris	Other	
Total	8502 65.9%	4399 34.1%	12901 100.0%

Q4 Type of Vehicle

Motorcycle	105 1.2%	71 1.6%	176 1.4%
Car	4093 48.1%	1806 41.1%	5899 45.7%
Van	689 8.1%	340 7.7%	1029 8.0%
Sport Utility	1799 21.2%	827 18.8%	2626 20.4%
Pickup Truck	1768 20.8%	1320 30.0%	3088 23.9%
Cargo Transport	19 0.2%	6 0.1%	25 0.2%
Service Vehicle	6 0.1%	8 0.2%	14 0.1%
Other	7 0.1%	9 0.2%	16 0.1%
Don't Know	16 0.2%	12 0.3%	28 0.2%

Year of Vehicle

<u>Q6 Year</u>	<u>Number</u>	<u>Percent</u>
1929	1	0.0 %
1936	1	0.0 %
1938	1	0.0 %
1940	1	0.0 %
1943	1	0.0 %
1946	2	0.0 %
1948	1	0.0 %
1952	1	0.0 %
1955	2	0.0 %
1956	1	0.0 %
1958	1	0.0 %
1960	1	0.0 %
1961	1	0.0 %
1962	2	0.0 %
1963	2	0.0 %
1964	2	0.0 %
1965	5	0.0 %
1966	10	0.1 %
1967	8	0.1 %
1968	6	0.0 %
1969	6	0.0 %
1970	7	0.1 %
1971	9	0.1 %
1972	11	0.1 %
1973	8	0.1 %
1974	5	0.0 %
1975	5	0.0 %
1976	9	0.1 %
1977	9	0.1 %
1978	17	0.1 %
1979	14	0.1 %
1980	19	0.1 %
1981	11	0.1 %
1982	22	0.2 %
1983	14	0.1 %
1984	33	0.3 %
1985	48	0.4 %
1986	40	0.3 %
1987	39	0.3 %
1988	55	0.4 %
1989	116	0.9 %
1990	124	1.0 %
1991	156	1.2 %
1992	173	1.3 %
1993	213	1.7 %
1994	319	2.5 %
1995	380	2.9 %
1996	406	3.1 %
1997	486	3.8 %
1998	629	4.9 %
1999	726	5.6 %
2000	944	7.3 %
2001	904	7.0 %
2002	979	7.6 %
2003	937	7.3 %
2004	915	7.1 %
2005	988	7.7 %

Year of Vehicle

<u>Q6 Year</u>	<u>Number</u>	<u>Percent</u>
2006	943	7.3 %
2007	836	6.5 %
2008	272	2.1 %
2009	20	0.2 %
2203	1	0.0 %
9898	1	0.0 %
Dont Know	1002	7.8 %
<u>Refused</u>	<u>0</u>	<u>0.0 %</u>
Total	12901	100.0 %

Make of Vehicle

N=12901	<u>Q11a Household County</u>		<u>Total</u>
	Harris	Other	
Total	8502 65.9%	4399 34.1%	12901 100.0%
<u>Q7 Make</u>			
Acura	55 0.6%	35 0.8%	90 0.7%
Audi	12 0.1%	0 0.0%	12 0.1%
BMW	93 1.1%	27 0.6%	120 0.9%
Buick	221 2.6%	111 2.5%	332 2.6%
Cadillac	124 1.5%	53 1.2%	177 1.4%
Chevrolet	1377 16.2%	849 19.3%	2226 17.3%
Chrysler	193 2.3%	85 1.9%	278 2.2%
Dodge	489 5.8%	336 7.6%	825 6.4%
Ford	1528 18.0%	970 22.1%	2498 19.4%
Geo	10 0.1%	6 0.1%	16 0.1%
GMC	223 2.6%	151 3.4%	374 2.9%

Make of Vehicle

N=12901

	Q11a Household County		Total
	Harris	Other	

Q7 Make (Cont.)

Harley Davidson	37 0.4%	32 0.7%	69 0.5%
Honda	616 7.2%	245 5.6%	861 6.7%
Hyundai	87 1.0%	48 1.1%	135 1.0%
Infiniti	67 0.8%	24 0.5%	91 0.7%
Isuzu	48 0.6%	21 0.5%	69 0.5%
Jaguar	14 0.2%	8 0.2%	22 0.2%
Jeep	166 2.0%	54 1.2%	220 1.7%
Kawasaki	10 0.1%	4 0.1%	14 0.1%
KIA	59 0.7%	30 0.7%	89 0.7%
Lexus	157 1.8%	30 0.7%	187 1.4%
Lincoln	120 1.4%	66 1.5%	186 1.4%
Mazda	150 1.8%	56 1.3%	206 1.6%

Make of Vehicle

N=12901

	<u>Q11a Household County</u>		<u>Total</u>
	Harris	Other	
<u>Q7 Make (Cont.)</u>			
Mercury	181 2.1%	102 2.3%	283 2.2%
Mercedes-Benz	87 1.0%	24 0.5%	111 0.9%
Mitsubishi	78 0.9%	24 0.5%	102 0.8%
Nissan/Datsun	371 4.4%	162 3.7%	533 4.1%
Oldsmobile	105 1.2%	40 0.9%	145 1.1%
Plymouth	34 0.4%	12 0.3%	46 0.4%
Pontiac	140 1.6%	78 1.8%	218 1.7%
Porsche	15 0.2%	3 0.1%	18 0.1%
Range/Land Rover	9 0.1%	0 0.0%	9 0.1%
Saab	7 0.1%	0 0.0%	7 0.1%
Saturn	136 1.6%	42 1.0%	178 1.4%
Subaru	26 0.3%	8 0.2%	34 0.3%

Make of Vehicle

N=12901

	Q11a Household County		Total
	Harris	Other	
<u>Q7 Make (Cont.)</u>			
Suzuki	32 0.4%	4 0.1%	36 0.3%
Toyota	971 11.4%	424 9.6%	1395 10.8%
Volkswagon	76 0.9%	28 0.6%	104 0.8%
Volvo	78 0.9%	19 0.4%	97 0.8%
Yamaha	3 0.0%	4 0.1%	7 0.1%
Daewoo	1 0.0%	2 0.0%	3 0.0%
AM General	0 0.0%	1 0.0%	1 0.0%
AMC	1 0.0%	0 0.0%	1 0.0%
Ducati	1 0.0%	0 0.0%	1 0.0%
Freightliner	1 0.0%	1 0.0%	2 0.0%
Intl Harvester	1 0.0%	2 0.0%	3 0.0%
Kenworth	2 0.0%	0 0.0%	2 0.0%

Make of Vehicle

N=12901

Q11a Household County		Total
Harris	Other	

Q7 Make (Cont.)

MCI	1 0.0%	0 0.0%	1 0.0%
MG	1 0.0%	0 0.0%	1 0.0%
Peterbilt	1 0.0%	0 0.0%	1 0.0%
Triumph	1 0.0%	0 0.0%	1 0.0%
Other Make Motor	1 0.0%	1 0.0%	2 0.0%
Other	25 0.3%	15 0.3%	40 0.3%
Don't Know	259 3.0%	162 3.7%	421 3.3%

Type of Fuel Used

N=12901	Q11a Household County		Total
	Harris	Other	
Total	8502 65.9%	4399 34.1%	12901 100.0%

Q10 Type of Fuel

Gasoline	8275 97.3%	4220 95.9%	12495 96.9%
Diesel	158 1.9%	147 3.3%	305 2.4%
Propane	1 0.0%	0 0.0%	1 0.0%
Electricity	2 0.0%	0 0.0%	2 0.0%
Other	2 0.0%	0 0.0%	2 0.0%
Gas/Electric	27 0.3%	12 0.3%	39 0.3%
Don't Know	2 0.0%	3 0.1%	5 0.0%
Refused	35 0.4%	17 0.4%	52 0.4%

Percentage of Vehicles Used for Commerical Purposes

N=12901	<u>Q11a Household County</u>		<u>Total</u>
	Harris	Other	
Total	8502 65.9%	4399 34.1%	12901 100.0%
 <u>Q12 Commercial Use</u>			
Yes	359 4.2%	197 4.5%	556 4.3%
No	8123 95.5%	4191 95.3%	12314 95.4%
Don't Know	19 0.2%	11 0.3%	30 0.2%
Refused	1 0.0%	0 0.0%	1 0.0%

Appendix D:
Recruitment Script

Interviewer: _____ Phone number: _____

**Texas Department of Transportation
Houston/Galveston Regional Household Activity/Travel Survey
Recruitment Interview – GPS**

INTRO

READ: “This is [YOUR NAME]. I’m calling for the (speak slow and clear for name recognition) Texas Department of Transportation... We are not selling anything. The reason I am calling is that we need input from residents to plan transportation improvements in the Houston/Galveston area. Would you have a few minutes to help us with this study?”

- 01 Yes (GO TO SCRIPT)
02 No (GO TO OTHER TIME)

PURPOSE

“Thank you. The Key element of our study is to capture residents’ travels for a 24-hr period. By providing information on your household’s travels, it will help the Texas Department of Transportation better plan for transportation needs in your area. We are asking residents to record their traffic and travel information on dairies that we provide. Does this sound like something your household could help us with?”

SCRIPT

Since travel patterns are often related to household size, vehicle availability and income, I am going to start by asking you a few demographic questions to ensure that our sample is representative of households in the region. All the information you provide will be completely confidential.

Do you remember receiving a letter about this project?

- Yes No

What county do you live in?

- | | |
|---------------|----------------|
| 01) Brazoria | 05) Harris |
| 02) Chambers | 06) Liberty |
| 03) Fort Bend | 07) Montgomery |
| 04) Galveston | 08) Waller |

As part of this study, we’re asking a small number of households to help evaluate new technology that’s providing greater insight into how people travel. This technology is called GPS, or the Global Positioning system.

We are offering a *cash* gift of \$50 for each participating household in the study. The study will take place_____. Would you be able to participate in this travel study?

The study will be at the_____. [Phone is _____]. You can arrive after 1 p.m. anytime as long as you are there by 6:00 p.m. [Description of location:_____].

Are you a member of this household and at least 18 years old?

- 01 Yes (GO TO COUNTY)
02 Not ready/Adult unavailable (GO TO OTHERTIME)

HOUSEHOLD INFORMATION FILE

H16: NUMBER PERSONS

“Including yourself, how many people live in your household? Please do NOT include anyone who usually lives elsewhere or is just visiting, such as a college student away at school.” (INTERVIEWER: Include roommates and housemates. Do NOT include children living away from home.) (RECORD TOTAL NUMBER OF HOUSEHOLD MEMBERS)

__ __ (PROGRAMMER: Allow 1 to 15.)

H18: VEHICLES AVAILABLE

**“To understand your household’s travel, we need some information about the vehicles available to your household. Please count all owned and leased cars, vans, trucks, motorcycles, and mopeds that are working, as well as vehicles available for REGULAR USE to your household, such as company vehicles. How many working vehicles do you have available to members of your household?”
(RECORD NUMBER OF HOUSEHOLD VEHICLES AVAILABLE)**

__ __ number of vehicles (PROGRAMMER: Allow up to 10.)

We will be asking you to use ALL of your working vehicles in this study. We need one to come to the Residence Inn. You can bring all to the Residence Inn if you prefer.

H28: ANNUAL HH INCOME

“In order to be sure that the survey accurately represents all residents of the Amarillo area, could you tell me if the combined annual income for your HOUSEHOLD is ...? (IF NEEDED: “I understand your reluctance to divulge your household income. However, I can assure you that this information is used for classification purposes only. We must be sure that our survey accurately represents residents of the region, and income is an important factor in projecting transportation needs.”) (READ LIST)

- | | | |
|--------------------------|--------------------------|----------------------------|
| 01) Under \$5,000 | 10) \$30,000 to \$32,499 | 19) \$70,000 to \$74,999 |
| 02) \$5,000 to \$9,999 | 11) \$32,500 to \$34,999 | 20) \$75,000 to \$79,999 |
| 03) \$10,000 to \$14,999 | 12) \$35,000 to \$39,999 | 21) \$80,000 to \$99,999 |
| 04) \$15,000 to \$17,499 | 13) \$40,000 to \$44,999 | 22) \$100,000 to \$124,999 |
| 05) \$17,500 to \$19,999 | 14) \$45,000 to \$49,999 | 23) \$125,000 to \$149,999 |
| 06) \$20,000 to \$22,499 | 15) \$50,000 to \$54,999 | 24) \$150,000 to \$199,999 |
| 07) \$22,500 to \$24,999 | 16) \$55,000 to \$59,999 | 25) \$200,000+ |
| 08) \$25,000 to \$27,499 | 17) \$60,000 to \$64,999 | |
| 09) \$27,500 to \$29,999 | 18) \$65,000 to \$69,999 | |

CONFIRM Can I confirm that your home mailing address is [HOME ADDRESS]”? If Different: Enter Correct Address:

Name: _____

Street: _____ Apt: _____

City: _____ State: TX Zip: _____

Date of arrival: _____

What time would you be arriving? _____

Do you have an e-mail address that we can use to send you further information?

If yes, get e-mail: _____

Reminder:

Directions:

t

Return: _____ You will return your vehicle and GPS systems on

Interviewer: _____

Phone: _____

**Texas Department of Transportation
Houston-Galveston JOHRTS Regional Household Activity/Travel Survey
Recruitment Interview**

INTRO READ: “This is [YOUR NAME]. I’m calling for the (speak slow and clear for name recognition) Texas Department of Transportation... We are not selling anything. The reason I am calling is that we need input from residents to plan transportation improvements in the Houston/Galveston area. Would you have a few minutes to help us with this study?”

- 01 Yes (GO TO SCRIPT)
02 No (GO TO OTHER TIME)

PURPOSE “Thank you. The Key element of our study is to capture residents’ travels for a 24-hr period. By providing information on your household’s travels, it will help the Texas Department of Transportation better plan for transportation needs in your area. We are asking residents to record their traffic and travel information on dairies that we provide. Does this sound like something your household could help us with?”

SCRIPT Since travel patterns are often related to household size, vehicle availability and income, I am going to start by asking you a few demographic questions to ensure that our sample is representative of households in the region. All the information you provide will be completely confidential.

Do you remember receiving a letter about this project?

- Yes No

COUNTY

What COUNTY do you live in? (DO NOT READ LIST)

- | | | |
|---------------|--------|--------------|
| 01 Brazoria | JOHRTS | 09 Jefferson |
| 02 Chambers | | 10 Orange |
| 03 Fort Bend | | 11 Hardin |
| 04 Galveston | | |
| 05 Harris | | |
| 06 Liberty | | |
| 07 Montgomery | | |
| 08 Waller | | |

21 OTHER [Terminate]

HOUSEHOLD INFORMATION FILE

H16: NUMBER PERSONS

“Including yourself, how many people live in your household? Please do NOT include anyone who usually lives elsewhere or is just visiting, such as a college student away at school.” (INTERVIEWER: Include roommates and housemates. Do NOT include children living away from home.) (RECORD TOTAL NUMBER OF HOUSEHOLD MEMBERS)

__ __ (PROGRAMMER: Allow 1 to 15.)

H17: NUMBER EMPLOYED PERSONS

“How many persons in your household, including yourself, are currently employed either full or part time?”

__ __ persons (PROGRAMMER: Must be equal to, or less than, H16.)

H18: VEHICLE AVAILABLE

“To understand your household’s travel, we need some information about the vehicles available to your household. Please count all owned and leased cars, vans, trucks, motorcycles, and mopeds that are working, as well as vehicles available for REGULAR USE to your household, such as company vehicles. How many working vehicles do you have available to members of your household?” (RECORD NUMBER OF HOUSEHOLD VEHICLES AVAILABLE)

__ __ number of vehicles (PROGRAMMER: Allow up to 10.)

98 Don’t Know (GO TO H20)

99 Refused (GO TO H20)

H19: VEHICLES OWNED

“How many of these vehicles are owned by you or other members of your household? Consider vehicles that are being leased or for which the household is making payments on a loan to pay for the vehicle as being owned.”

__ __ number of vehicles owned (PROGRAMMER: Allow up to 10.)

98 Don’t Know (GO TO H20)

99 Refused (GO TO H20)

H28: ANNUAL HH INCOME

“In order to be sure that the survey accurately represents all residents of the in your area, could you tell me if the combined annual income for your HOUSEHOLD is ...? (IF NEEDED: “I understand your reluctance to divulge your household income. However, I can assure you that this information is used for classification purposes only. We must be sure that our survey accurately represents residents of the region, and income is an important factor in projecting transportation needs.”) (READ LIST)

- | | | |
|--------------------------|--------------------------|----------------------------|
| 01) Under \$5,000 | 10) \$30,000 to \$32,499 | 19) \$70,000 to \$74,999 |
| 02) \$5,000 to \$9,999 | 11) \$32,500 to \$34,999 | 20) \$75,000 to \$79,999 |
| 03) \$10,000 to \$14,999 | 12) \$35,000 to \$39,999 | 21) \$80,000 to \$99,999 |
| 04) \$15,000 to \$17,499 | 13) \$40,000 to \$44,999 | 22) \$100,000 to \$124,999 |
| 05) \$17,500 to \$19,999 | 14) \$45,000 to \$49,999 | 23) \$125,000 to \$149,999 |
| 06) \$20,000 to \$22,499 | 15) \$50,000 to \$54,999 | 24) \$150,000 to \$199,999 |
| 07) \$22,500 to \$24,999 | 16) \$55,000 to \$59,999 | 25) \$200,000+ |
| 08) \$25,000 to \$27,499 | 17) \$60,000 to \$64,999 | |
| 09) \$27,500 to \$29,999 | 18) \$65,000 to \$69,999 | |

CONFIRM Can I confirm that your home mailing address is [HOME ADDRESS]”? If

Different: Enter Correct Address:

Name: _____

Street: _____ Apt: _____

City: _____ State: TX Zip: _____

Appendix E:
Retrieval Script

**Texas Department of Transportation
HGAC Household Activity/Travel Survey
Retrieval Script**

INTRO

Is [NAME OF CONTACT] there.

This is _____ calling for the Texas Department of Transportation. I was just calling to follow-up to be sure everything went okay with your travel survey yesterday and to collect your travel information.

- | | | |
|----|--|-------------------|
| 01 | If Agreeable | (GO TO RETRIEVE) |
| 02 | If this is not a good time, but they completed diary | (GO TO CALL BACK) |
| 03 | If did not complete diaries, but remember travel | (GO TO RETRIEVE) |
| 04 | If did not complete diaries, do not remember travel | (GO TO RESCHED) |
| 05 | No – no longer willing to participate | (TERMINATE) |

CALL BACK

“When would be a good time to call back to get the information?”

(PROGRAMMER: Include only if INTRO = 02)

_____ Time (am/pm)

_____ Date

RESCHED

“Could your household complete the travel diaries [TOMORROW or the NEXT WORK DAY]?”

(PROGRAMMER: Include only if INTRO = 04)

- | | |
|----|----------------------|
| 01 | Yes |
| 02 | No - TRY ANOTHER DAY |
| 03 | Refuse all days |

“Thank you for you time. I will call you back [DAY AFTER TRAVEL DAY]”

TERMINATE

(PROGRAMMER: Include only if INTRO = 05 or RESCHED=03)

“Thank you for your time. END THE INTERVIEW”

HOUSEHOLD FILE INFORMATION

RETRIEVE

“I’d like to begin by gathering some information about your household on your travel day”

H30: DAY VISITORS

“How many people who are not members of your household stopped by or visited your home for any reason on your travel day?”

98 – Don’t Know

99 – Refused

H31: OVERNIGHT VISITORS

“How many people who are not members of your household spent the night at your house on your travel day?”

98 – Don’t Know

99 – Refused

V13: MILEAGE

What was the mileage on the odometer of VEHICLE_# on your travel day?

99999998 Don’t Know

99999999 Refused

PROGRAMMER: REPEAT V13 FOR EACH VEHICLE_#

H36: HH VEHICLE USED BY NON HH MEMBER

“Did anyone who is not a member of your household drive one of the vehicles that belongs to your household?”

01- Yes (GO TO V16)

02- No

03- Not applicable – zero vehicle household

98 – Don’t Know

99 – Refused

V16: NON HH VEHICLE NUMBER

(PROGRAMMER: Include only if H36=01)

“Which vehicle were used by a person who is not a member of your household?”

98 – Don’t Know

99 – Refused

INDIVIDUAL INFORMATION

IND_INTRO1

“Next I’d like to get travel information from each member of your household. Why don’t we start with you.

IND_INTRO2

“Do you have your travel diary available?

(INTERVIEWER: ARE YOU SPEAKING TO THE PERSON WHO COMPLETED THE TRAVEL DIARY?)

01 Yes

02 No Which Person_# is the Proxy? _____

BIKE ISSUES

P46: DAYS RODE

“How many days did you (PERSON_#) ride a bike during the past week?”

_____ (Programmer allow 0-7)

98 – Don’t Know

99 – Refused

P47: BIKE PURPOSE

“What was your (PERSON_#)’s most common purpose for riding a bike in the past week?”

1 – Work

2 – School

3 – Shopping

4 – Visiting

5 – Recreation / Exercise

6 – Other

98 – Don’t Know

99 – Refused

STUDENT ISSUES

P42: STUDENT STATUS

“Are you (PERSON_#) enrolled in any type of school (includes daycare, K-12, college)?”

- | | | |
|----|------------|-------------|
| 1 | Yes | (GO TO P43) |
| 2 | No | (GO TO P11) |
| 98 | Don't Know | (GO TO P11) |
| 99 | Refused | (GO TO P11) |

P43: STUDENT STATUS

“In which type of school are you (PERSON_#) enrolled?”

(PROGRAMMER: Include only if P42= 01)

- 1 – Day Care / Pre-School
- 2 – K-12th
- 3 – Post Secondary, College, Trade
- 4 – Other
- 98 – Don't Know
- 99 – Refused

P44: SCHOOL TYPE OTHER

(PROGRAMMER: Include only if P43= 4)

- Other Specify _____
- | | |
|-----|------------|
| 998 | Don't Know |
| 999 | Refused |

P45: HOURS ENROLLED

(PROGRAMMER: Include only if P43= 3)

“How many hours are you (PERSON_#) enrolled in college, trade school, or other post secondary education?”

- _____
- | | |
|----|------------|
| 98 | Don't Know |
| 99 | Refused |

EMPLOYMENT ISSUES

P11: EMPLOYMENT

Are (YOU/PERSON_#) employed in a paying or volunteer job?

- | | | |
|----|------------|----------------------|
| 1 | Yes | (GO TO P12) |
| 2 | No | (GO TO TRAVEL_INTRO) |
| 98 | Don't Know | (GO TO TRAVEL_INTRO) |
| 99 | Refused | (GO TO TRAVEL_INTRO) |

P14: NOT EMPLOYED

**“Which of the following best describes YOUR/(PERSON_#)’s situation?
(READ LIST)**

- 001 Retired
- 002 Disabled
- 003 Homemaker
- 004 Looking for work
- 005 Not looking for work
- 006 Student
- 996 Other **(GO TO P15)**

- 998 Don’t Know
- 999 Refused

P15 - Other

(PROGRAMMER: only include P14=996)

Other (Specify _____)

(PROGRAMMER: If Respondent answers P14/P15 then go to TRAVEL_INTRO; otherwise go to P12-P41)

P12: EMPLOYMENT STATUS

“Which of the following best describes YOUR/(PERSON_#)’s employment status?”

- 1 Employed full-time 30 or more hours per week
- 2 Employed part-time less than 30 hours per week
- 3 Self-employed full-time 30 or more hours per week
- 4 Self-employed part-time less than 30 hours per week
- 98 Don’t Know
- 99 Refused

P13: HOURS

“Approximately how many hours per week do you (PERSON_#) typically work?”

___ ___ ___ (PROGRAMMER: Allow to 100.)

- 996 Varies from week to week
- 998 Don’t Know
- 999 Refused

P16: DELIVERY

“Do you (does PERSON_#) drive a vehicle used for commercial purposes? ”

- 1 Yes **(GO TO P16A AND 16B)**
- 2 No
- 98 Don’t Know
- 99 Refused

P16A: DELIVERY CARGO: If YES TO P16

“Is that vehicle used for transporting cargo?”

- 1 Yes
- 2 No
- 98 Don't Know
- 99 Refused

P16A: DELIVERY CARGO: If YES TO P16

“Is that vehicle used for providing a commercial service, such as plumber's or electrician's truck, or a cable or telephone service vehicle, or a delivery vehicle for a business?”

- 1 Yes
- 2 No
- 98 Don't Know
- 99 Refused

P17: FLEX TIME

“Is your (PERSON_#) work schedule flexible or fixed?”

- 1 Flexible/variable
- 2 Fixed/unchanging
- 98 Don't Know
- 99 Refused

P18: JOB

“Do you (PERSON_#) have more than one job?”

- 1 Yes
- 2 No
- 98 Don't Know
- 99 Refused

P19: EMPLOYER

“What is the name of your (PERSON_#)'s primary employer?”

-
- 998 Don't Know
 - 999 Refused

P20: TYPE WORK

“What type of work place is this?”

1. Office (Non-government)
2. Office (Government)
3. Retail/Shopping/Gas
4. Industrial/Manufacturing/Warehouse
5. Medical
6. Education – Day Care/K-12
7. Education – College, trade school, other
8. Residential
9. Airport
10. Eating Establishment
- 996 – Other
- 998 – Don’t Know
- 999 – Refused

P21: OTHER

(PROGRAMMER: only include P20=996)

Other Specify _____
998 – Don’t Know
999 – Refused

P22: HOME OFFICE

“Is your (PERSON_#)’s place of employment a home-based business operated out of a home?”

- | | |
|----|------------|
| 1 | Yes |
| 2 | No |
| 98 | Don’t Know |
| 99 | Refused |

P23: TELECOMMUTE

“Do you (PERSON_#) work from home or telecommute on a regular basis?”

- | | |
|----|------------|
| 1 | Yes |
| 2 | No |
| 98 | Don’t Know |
| 99 | Refused |

P24 WORKPLACE ADDRESS

“What is the physical street address of your PRIMARY workplace?”

- _____
- | | |
|----|------------|
| 98 | Don’t Know |
| 99 | Refused |

WORKINTER

“What are the names of the streets at the nearest intersection to your primary workplace?”

P25: WORKPLACE CITY

“In which city is your (PERSON_#) PRIMARY workplace located?”
RECORD NAME OF CITY

-
- 98 Don't Know
 - 99 Refused

P26: WORKPLACE COUNTY

In which County is your (PERSON_#) PRIMARY workplace located?
RECORD NAME OF COUNTY

- 01 Brazoria
- 02 Chambers
- 03 Fort Bend
- 04 Galveston
- 05 Harris
- 06 Liberty
- 07 Montgomery
- 08 Waller

- 11 OTHER

- 98 Don't Know
- 99 Refused

P27: WORKPLACE ZIP

“In which zip code is your (PERSON_#) workplace located?”

— — — — —

- 99998 Don't Know
- 99999 Refused

P32: DAYS WORKED

“How many days per week do you (PERSON_#) typically work?”

— — — — — (Programmer allow 0-7)

- 98 Don't Know
- 99 Refused

P33: WORKED AT HOME

“During the past 7 days, how many days did you (PERSON_#) work AT HOME?”

__ __ __ __ __ (Programmer allow 0-7)

- 98 Don't Know
- 99 Refused

SECOND JOB

“Do you (Does PERSON_#) have a second job?”

- 1 Yes (GO TO P34)
- 2 No (GO TO P37)
- 98 Don't Know (GO TO P37)
- 99 Refused (GO TO P37)

P34: SECOND JOB TYPE

“What type of work place is your (PERSON_#)'s second job?”
(PROGRAMMER: only include SCREENER=01)

- 1. Office (Non-government)
- 2. Office (Government)
- 3. Retail/Shopping/Gas
- 4. Industrial/Manufacturing/Warehouse
- 5. Medical
- 6. Education – Day Care/K-12
- 7. Education – College, trade school, other
- 8. Residential
- 9. Airport
- 10. Eating Establishment
- 996 – Other
- 998 – Don't Know
- 999 – Refused

P35: OTHER

(PROGRAMMER: only include P34=996)

Other Specify _____

P36: SECOND JOB EMPLOYMENT STATUS

“Which of the following best describes your (PERSON_#)'s employment status at this second job?”

(PROGRAMMER: only include SCREENER=01)

- 1 Employed full-time 30 or more hours per week at the second job
- 2 Employed part-time less than 30 hours per week at the second job
- 3 Self-employed full-time 30 or more hours per week at the second job
- 4 Self-employed part-time less than 30 hours per week at the second job
- 98 Don't Know
- 99 Refused

P37: TOTAL HOURS

“On average, how many hours do you (PERSON_#) work per week at all of your jobs?”

— — — — —

- 98 Don't Know
- 99 Refused

P38: PRIMARY OCCUPATION

“What is your (PERSON_#)'s PRIMARY occupation?”

- 01 – Management, professional, and related occupations
- 02 – Service occupations
- 03 – Sales and office occupations
- 04 – Farming, fishing, and forestry occupations
- 05 – Construction, extraction, and maintenance occupations
- 06 – Production, transportation, and material moving occupations
- 96 – Not applicable (unemployed / student / retired)
- 98 – Don't know
- 99 – Refused

P39: PRIMARY INDUSTRY

“In what industry is your (PERSON_#)'s PRIMARY occupation?”

- 01 – Agriculture, forestry, fishing and hunting, mining
- 02 – Construction
- 03 – Manufacturing
- 04 – Wholesale trade
- 05 – Retail trade
- 06 – Transportation, warehousing, utilities
- 07 – Information
- 08 – Finance, insurance, real estate, rental and leasing
- 09 – Professional, scientific, management, administrative, and waste management services
- 10 – Education, health, and social services
- 11 – Arts, entertainment, recreation, accommodation, and food services
- 12 – Other services (except public administration)
- 13 – Public Administration
- 96 – Not Applicable – (unemployed, student, retired)
- 98 – Don't Know
- 99 – Refused

P40: SECONDARY OCCUPATION

(PROGRAMMER: only include SCREENER=01)

“What is your (PERSON_#)’s SECONDARY occupation?”

- 01 – Management, professional, and related occupations
- 02 – Service occupations
- 03 – Sales and office occupations
- 04 – Farming, fishing, and forestry occupations
- 05 – Construction, extraction, and maintenance occupations
- 06 – Production, transportation, and material moving occupations
- 96 – Not applicable (unemployed / student / retired)
- 98 – Don’t know
- 99 – Refused

P41: SECONDARY INDUSTRY

(PROGRAMMER: only include SCREENER=01)

“In what industry is your (PERSON_#)’s SECONDARY occupation?”

- 01 – Agriculture, forestry, fishing and hunting, mining
- 02 – Construction
- 03 – Manufacturing
- 04 – Wholesale trade
- 05 – Retail trade
- 06 – Transportation, warehousing, utilities
- 07 – Information
- 08 – Finance, insurance, real estate, rental and leasing
- 09 – Professional, scientific, management, administrative, and waste management services
- 10 – Education, health, and social services
- 11 – Arts, entertainment, recreation, accommodation, and food services
- 12 – Other services (except public administration)
- 13 – Public Administration
- 96 – Not Applicable – (unemployed, student, retired)
- 98 – Don’t Know
- 99 – Refused

TRAVEL INFO FILE

TRAVEL INTRO

“Now that we have completed those questions, we need to collect the activity and travel information. Please remember that we need to know about ALL locations you visited on <INSERT TRAVEL DAY>. I will go as quickly as possible, but I will need to record each location one-by-one.”

V53 PROXY

(Interviewer – who is providing the travel information for this person?)

- 01 – Respondent
- 02 – Proxy
- 03 – Mailed Diary
- 98 – Don’t Know
- 99 – Refused

V54 PROXY ID

(Interviewer – if proxy, which household member is providing the information – used assigned numbers)

- 98 – Don’t Know
- 99 – Refused

P49: TRAVEL

“Did you (PERSON_#) travel anywhere on your household’s assigned travel day?”

- 01 Yes **(GO TO V52)**
- 02 No **(GO TO V51)**

- 96 Out of Area All Day

V51 WHY NO TRAVEL

“What was your /(PERSON_#)’s reason for not traveling anywhere on your travel day?”

V52 DIARY USE

“Did you (PERSON_#) use the activity/travel diary on your travel day?”
(DO NOT READ LIST)

- 01 Yes, diary completed
- 02 No, diary not completed
- 03 Did not receive materials
- 08 Don’t Know
- 09 Refused

TRANSITION

“Next I’m going to ask you to provide information about each of the trips you made on your travel day. The information you provide is very important to us, so please try to be as detailed as possible.”

MONTH & DAY

“Just to confirm, what was the date of your household travel day?”

T4 _____ Day

T3 _____ Month

START

At 3:00 am on your travel day, [were you/was (PERSON_#)] . . . ?
(READ LIST)

- 01 At home (Code T8/Start thru T13/Start with Home data)
- 02 At another location (GO TO T8/Start)

T8/START : ACTIVITY DESCRIPTION

(PROGRAMMER: only include START=02)

“What type of place were you at 3:00 a.m?”

- 98 – Don’t Know
- 99 – Refused

T7/START: ACTIVITY TYPE CODES

What were you doing at this location at 3:00 a.m.

- 1 – At Home; primary job related
- 2 – At Home; other
- 3 – At Home; job and non-job related
- 4 – Work
- 5 – Work Related
- 6 – School; post secondary, college, trade
- 7 – School; secondary-day care, kindergarten, elementary, middle, high
- 8 – Incidental Shopping; gas, groceries, etc.
- 9 – Major Shopping; clothes, appliances, etc.
- 10 – Banking
- 11– Personal Business; laundry, dry cleaning, barber, medical, etc
- 12– Other Services
- 13– Social / Recreational
- 14– Eat Out
- 15– Civic Activities (including church)
- 16 – Pick-up / Drop-off Person at Work
- 17 – Pick-up / Drop-off Person at School / Day Care
- 18 – Pick-up / Drop-off Person at Other
- 19 – Change Mode of Travel
- 20 – Other Activity (specify)
- 98 – Don’t Know
- 99 – Refused

T9/START: LOCATION

“What was the name of the place you were at 3:00 a.m.”

- 98 – Don’t Know
- 99 – Refused

T10/START: ADDRESS

“What was the Address of the Place Where You Were Located at 3:00am on your travel day”

- 98 Don’t Know
- 99 Refused

T11/START: CITY

“In which city were you located at 3:00 am on your travel day?”

RECORD NAME OF CITY

- 98 Don’t Know
- 99 Refused

T12/START: COUNTY

“And what county is that in?”

- 01 Brazoria
- 02 Chambers
- 03 Fort Bend
- 04 Galveston
- 05 Harris
- 06 Liberty
- 07 Montgomery
- 08 Waller

11 OTHER: _____

- 98 Don’t Know
- 99 Refused

T13/START: ZIP

“What was the zip code for this place?”

99998 Don't Know
99999 Refused

XX

Activity # _____

(Programmer: Activity Number will be automatically assigned in sequence for each set of data collected for T8 thru T49)

T8: ACTIVITY DESCRIPTION

“What type of place did you visit first (next) on your travel day?”

98 – Don't Know
99 – Refused

ARRIVAL TIME

“What time did you (person_#) arrive at this location?”

(INTERVIEWER NOTE: If this is Activity#0, this should be blank)

T45: ARRIVAL HOUR

(PROGRAMMER: Allow 00 to 23)

__ __ hours (Record in military time 00 to 23, i.e., 3PM is 15)

98 Don't Know
99 Refused

T47: ARRIVAL MINUTE

(PROGRAMMER: Allow 00 to 60)

__ __ (Record 00 to 59)

98 Don't Know
99 Refused

T7: ACTIVITY CODES

What were you doing at this location?

- 1 – At Home; primary job related
- 2 – At Home; other
- 3 – At Home; job and non-job related
- 4 – Work
- 5 – Work Related
- 6 – School; post secondary, college, trade
- 7 – School; secondary-day care, kindergarten, elementary, middle, high
- 8 – Incidental Shopping; gas, groceries, etc.
- 9 – Major Shopping; clothes, appliances, etc.
- 10 – Banking
- 11– Personal Business; laundry, dry cleaning, barber, medical, etc
- 12– Other Services
- 13– Social / Recreational
- 14– Eat Out
- 15– Civic Activities (including church)
- 16 – Pick-up / Drop-off Person at Work
- 17 – Pick-up / Drop-off Person at School / Day Care
- 18 – Pick-up / Drop-off Person at Other
- 19 – Change Mode of Travel
- 20 – Other Activity (specify)
- 98 – Don't Know
- 99 – Refused

T9: LOCATION NAME

“What was the name of the place you visited on this trip?”

- 98 – Don't Know
- 99 – Refused

T10: ADDRESS

“What was the Address or the nearest intersection (cross streets) of this place?”

- 98 Don't Know
- 99 Refused

T11: CITY

“In which city was this place located?”

RECORD NAME OF CITY

- 98 Don't Know
- 99 Refused

T12: COUNTY

“And what county is that in?”

- 01 Brazoria
- 02 Chambers
- 03 Fort Bend
- 04 Galveston
- 05 Harris
- 06 Liberty
- 07 Montgomery
- 08 Waller

- 11 OTHER: _____

- 98 Don't Know
- 99 Refused

T14: ROUTE

On which Route were you traveling when you left (or returned to) the Houston-Galveston area on your way to (from) this destination?
(PROGRAMMER: only include T12=06)

RECORD NAME/NUMBER OF ROUTE

- 98 Don't Know
- 99 Refused

T19: TYPE OF PLACE

“What Type of Place was this?”

- | | |
|-------------------------------------|--|
| 1. Residential | 13. Health Club |
| 2. Residential Type Workplace | 14. Medical Facility/Hospital |
| 3. Construction Site | 15. Movie Theater/Cinema |
| 4. Transportation stop (Bus, Train) | 16. Restaurant/Fast Food, Bar&Grill |
| 5. Automotive Dealer/Repair | 17. Educational – 12th Grade or lower |
| 6. Bank / Financial Institution | 18. Educational – college, trade, etc. |
| 7. Barber/Beauty/Nail Salon | 19. Shopping Mall/ Department Store. |
| 8. Bookstore/Newstand | 20. Gas Station |
| 9. Convenience / Drug Store | 21. Airport |
| 10. Government Offices | 22. Other |
| 11. Offices (Non-Government) | 98. Don't Know |
| 12. Grocery | 99. Refused |

T20: OTHER PLACE

(PROGRAMMER: only include T20=22)

Other Specify _____

T22: MODE

“How did you travel to get to this place?”

(DO NOT READ LIST. PROMPT WITH CATEGORIES, IF NEEDED.)

- 1 – Walk
- 2 – Auto / Van / Truck Driver
- 3 – Auto / Van / Truck Passenger
- 4 – Carpool Driver
- 5 – Carpool Passenger
- 6 – Vanpool Driver
- 7 – Vanpool Passenger
- 8 – Commercial Service Vehicle Driver
- 9 – Commercial Service Vehicle Passenger
- 10 - Cargo Transport Vehicle Driver
- 11 – Cargo Transport Vehicle Driver
- 12 – Transit Bus
- 13 – School Bus
- 14 – Taxi / Paid Limo
- 15 – Bicycle
- 16 – Motorcycle / Moped
- 17 – Other
- 98 – Don’t Know
- 99 – Refused

T23: OTHER MODE

(PROGRAMMER: only include T22=15)

Other Specify _____

T24: NUMBER IN VEHICLE

“How many persons were in the private vehicle (including the driver)?”

[PROGRAMMER: Include only if T22 (Mode of Travel) = 2-14.]

__ __ persons (PROGRAMMER: Allow 01 to 09, 96, 98, 99.)

- 96 Non-private vehicle modes
- 98 Don’t Know **(GO TO H20)**
- 99 Refused **(GO TO H20)**

T25: HH MEMBERS

“How many persons in the vehicle were household members?”

[PROGRAMMER: Include only if T24 (Number of Persons in Vehicle) = 01 to 09.]

__ __ persons (PROGRAMMER: Allow 01 to 09, 98, 99.)

98 Don't Know (GO TO H20)

99 Refused (GO TO H20)

T26: PERSONS ON TRIP

Who was/were the members or your household that were traveling with you?

[PROGRAMMER: Number of responses should equal number provided in T25 (HH Members. Use previously assigned Person_#]

T28: HH VEHICLE

“Did this vehicle belong to your household vehicle?”

1 Yes **Go to T29**

2 No – if no here, need to ask vehicle year, make, and model.

8 Don't Know

9 Refused

T29: VEHICLE USED

“Which of you household's vehicles did you use for this trip?”

[PROGRAMMER: Include only if T28 (HH Vehicle) = 1.]

____ (Record household vehicle number)

99 Other vehicle

T30-39 Vehicle Information File

T40: FROM BUS STOP

“Did you (PERSON_#) have to walk more than one block from a bus stop to this location?”

[PROGRAMMER: Include only if T22 (Mode of Travel) = 10 or 11]

- 1 Yes
- 2 No

- 8 Don't Know
- 9 Refused

T42: OFF BUS LOCATION

“What was the street address or nearest intersecting streets where you (person_#) got off of the bus?”

[PROGRAMMER: Include only if T22 (Mode of Travel) = 10 or 11]

_____ (street address or nearest intersecting streets)

- 98 Don't Know
- 99 Refused

T41: FROM PARKING AREA

“Did you (person_#) park more than one block from this destination?”

[PROGRAMMER: Include only if T22 (Mode of Travel) = 2 thru 9, 12, or 14]

- 01 Yes
- 02 No
- 98 Don't Know
- 99 Refused

T43: PARKING LOCATION

“What was the street address or nearest intersecting streets where the vehicle was parked?”

[PROGRAMMER: Include only if T22 (Mode of Travel) = 2 thru 9, 12, or 14]

_____ (street address or nearest intersecting streets)

- 98 Don't Know
- 99 Refused

T44: PARKING COST

“What was the amount you (PERSON_#) paid for parking?”

[PROGRAMMER: Allow \$00.00 to \$9999.99.]

[PROGRAMMER: Include only if T22 (Mode of Travel) = 2 thru 9, 12, or 14]

\$ ____ . ____ (Record in dollars and cents, i.e., \$4.50)

- 999998 Don't Know
- 999999 Refused

T45: PAYMENT METHOD

“What rate was the cost for parking based on (time period)?”

[PROGRAMMER: Include only if V44>0 and V44<999998]

- 01 Hourly
- 02 Daily
- 03 Weekly
- 04 Monthly
- 05 Annually

- 98 Other
- 99 Don't know/Refused

DEPARTURE TIME

“What time did you (person_#) depart at this location?”

(INTERVIEWER NOTE: If this is Activity#0, this should be blank)

T48: DEPARTURE HOUR

(PROGRAMMER: Allow 00 to 23, 96)

__ __ hours (Record in military time 00 to 23, i.e., 3PM is 15)

- 96 No Departure: This was the person's final destination (GO TO THANKS)
- 98 Don't Know
- 99 Refused

T49: DEPARTURE MINUTE

(PROGRAMMER: Allow 00 to 60)

__ __ (Record 00 to 59)

- 98 Don't Know
- 99 Refused

PROGRAMMER NOTE: REPEAT T8 Thru T49 Until ALL TRIPS ARE REPORTED

NEXT PERSON.

“That completes your/(Person_#) travel information. I appreciate your help”

Programmer Notes:

If all Person_# have not been entered: **“Is [Next Person_#] available?”** and GO TO IND_INTRO2

If all Person_# have been entered GO TO THANKS

THANKS.

“Although we completed your interview over the phone, we appreciate it if you would mail in your activity/travel diary. Thank you very much for your participation in this survey.”

Appendix F:
Travel Diary and
Other Survey Packet Materials



Houston-Galveston Regional Household Activity/ Travel Survey

Greetings:

The Texas Department of Transportation (TxDOT), in cooperation with the Houston-Galveston Area Council (H-GAC), is conducting a survey of nearly 6,000 households in the Houston-Galveston area to better understand how and why people in your area travel. The information from the survey is one of the most important data collection efforts for the region. The results will be used by TxDOT and local communities to plan future transportation improvements for the area.

Your household was selected at random to participate in this survey. Although your participation is voluntary, we hope you will consider making it a priority to ensure that residents of your area are properly represented.

In a few days, a trained interviewer from a survey research firm, ETC Institute, will call and ask you some questions about your household. ETC Institute has been contracted by TxDOT to administer the survey. The information you provide will be kept confidential and will only be used for statistical purposes.

If you have any questions about the Regional Household Activity/Travel Survey, please contact the project manager, Chris Tatham, at 1-888-801-5368. Thank you in advance for your participation.

Sincerely,

A handwritten signature in black ink that reads "Charlie Hall". The signature is written in a cursive, flowing style.

Charlie Hall
Travel Survey Program Manager
Texas Department of Transportation



Actividad Doméstica de la Region de Houston-Galveston/ Encuesta de Viaje

Saludos:

El Departamento de Transportación del Estado de Texas (TxDOT) con la cooperación de el Concejo, de Houston-Galveston quiere llevar a cabo una encuesta de 6,000 domicilios en la area metropolitana de Houston-Galveston para tener un conocimiento de la manera que esta viajando la población. La información que se obtenga es de gran importancia para la region. Los resultados seran utilizados por el TxDOT y la comunidad para planificar y desarrollar la area de transportacion en la region.

Su domicilio ha sido elegido al azar para participar en esta encuesta y su participación es completamente voluntaria. Esperemos que considere esta oportunidad para garantizar que su area quede apropiadamente representada.

En los próximos días recibirá una llamada de un representante del Instituto ETC para llevar a cabo una entrevista referente a su domicilio. El Instituto ETC ha sido contratado por el TxDOT para realizar esta encuesta. La información que se obtenga sera completamente confidencial y solamente sera utilizada para datos estadísticos.

Por favor llame al gerente del proyecto, Christopher Tatham al 1-888-801-5368 si tiene alguna pregunta adicional. Le damos las gracias por toda su cooperación brindada.

Sinceramente,

A handwritten signature in black ink that reads "Charlie Hall". The signature is written in a cursive, slightly slanted style.

Charlie Hall
Gerente del Programa de la Encuesta de Viaje
Departamento de Transportación del Estado de Texas



Houston-Galveston Regional Household Activity/ Travel Survey

Thank you for agreeing to take part in the 2007 Houston-Galveston *Regional Household Activity/Travel Survey*. ETC Institute, a survey research firm, is currently administering this important survey on behalf of the Texas Department of Transportation and the Houston-Galveston Area Council (HGAC). By sharing your household's travel information, you are helping to determine and plan for the transportation needs of residents in Houston-Galveston metropolitan area.

As we explained, this packet provides the materials your household will need to record your activities and travel for our interview, including an activity/travel diary for each member of your household. **An example of how to complete the activity/travel diary is provided on the back of each diary or on a separate blue page.**

After your assigned travel day, please **return** ALL of the household diaries completed for your household to us at your assigned time.

Please remember that the information you give us will be used for research purposes only. Nothing will be shared that could identify you or your household. We really appreciate your participation – it is extremely important for planning future transportation in your area.

If you have any questions, please call the survey team toll-free at 1-888-801-5368.

Thank you once again for participating in the survey.

Sincerely,

Chris Tatham
Senior Vice-President
ETC Institute
ctatham@etcinstitute.com



Houston-Galveston Regional Household Activity/ Travel Survey

Thank you for agreeing to take part in the *Houston-Galveston Regional Household Activity/Travel Survey*. ETC Institute, a survey research firm, is currently administering this important survey on behalf of the Texas Department of Transportation and the Houston-Galveston Metropolitan Planning Organization. By sharing your household's travel information, you are helping to determine and plan for the transportation needs of residents in the metropolitan area..

As we explained in our recent telephone call, this packet provides the materials your household will need to record your activities and travel for our interview, including an activity/travel diary for each member of your household. **An example of how to complete the activity/travel diary is provided on the back of each diary.**

After your assigned travel day, please MAIL in ALL of the household diaries completed for your household in the postage paid envelope which is provided for your use.

If you prefer to do this by telephone, an ETC Institute interviewer will call you to collect your household's information. If you prefer to do this by telephone, we would like to talk to each person age 16 or older individually, but ask that an adult respond for younger household members. An adult can provide the information for another person 16 and older if that person is not present at the time we call.

Please remember that the information you give us will be used for research purposes only. Nothing will be shared that could identify you or your household. We really appreciate your participation – it is extremely important for planning future transportation in your area.

If you have any questions, please call the survey team toll-free at 1-888-801-5368.

Thank you once again for participating in the survey.

Sincerely,

Chris Tatham
Senior Vice-President
ETC Institute
ctatham@etcinstitute.com

Location 4: Where did you go next?

When did you arrive at this location?

____ : ____ AM PM

What is the Name of this Location?

What Type of Place/Business Is This?

Street Address (be as specific as possible)

____ & _____
Nearest Intersecting Streets

City County State

Zip Code (if known)

Did you walk **more than a block** from a parking lot or bus stop to get to this location?

Yes If YES: where did you park?
 No _____

How did you get to Location 4?

What was the primary type of transportation you used?

- Car, van, truck Motorcycle or moped
 Bicycle Taxi
 Walk School Bus
 Service vehicle Cargo transport vehicle
 Transit Bus (Specify Route: _____)
 Other _____

If you used a car, van, or truck for this trip . . .

Were you the . . .? driver passenger

Including yourself, how many TOTAL people were in the vehicle? _____

Including yourself, how many people from YOUR HOUSEHOLD were in the vehicle? _____

Was this a . . .? Carpool Vanpool Neither

Please indicate the following about the vehicle:

Year _____ Make/Model _____

Was this your household's vehicle? Yes No

How much did you pay to park? \$_____

What did you do here?

What did you do at this location? (check all that apply)

- Return Home from your primary job
 Return Home for another reason
 Meal/Eat
 Work
 Work Related
 School
 Personal Business: _____
 Volunteer/Civic
 Shop
 Social/Recreation/Entertainment
 Pick-Up/Drop-Off Passenger
 Change Mode (e.g., car to bus): _____

When did you leave this location?

____ : ____ AM PM

----- OR -----

This was the last place I went today

If You Forgot a Stop Anywhere Between This Location and Location 5, Provide the Information Below:

For what reason did you stop between Location 4 and 5? _____

Number of minutes stopped: _____

Where did you stop? _____
Name of Stop Location

_____ Address or Nearest Intersection

_____ City, County, and State

Location 5: Where did you go next?

When did you arrive at this location?

____ : ____ AM PM

What is the Name of this Location?

What Type of Place/Business Is This?

Street Address (be as specific as possible)

____ & _____
Nearest Intersecting Streets

City County State

Zip Code (if known)

Did you walk **more than a block** from a parking lot or bus stop to get to this location?

Yes If YES: where did you park?
 No _____

How did you get to Location 5?

What was the primary type of transportation you used?

- Car, van, truck Motorcycle or moped
 Bicycle Taxi
 Walk School Bus
 Service vehicle Cargo transport vehicle
 Transit Bus (Specify Route: _____)
 Other _____

If you used a car, van, or truck for this trip . . .

Were you the . . .? driver passenger

Including yourself, how many TOTAL people were in the vehicle? _____

Including yourself, how many people from YOUR HOUSEHOLD were in the vehicle? _____

Was this a . . .? Carpool Vanpool Neither

Please indicate the following about the vehicle:

Year _____ Make/Model _____

Was this your household's vehicle? Yes No

How much did you pay to park? \$_____

What did you do here?

What did you do at this location? (check all that apply)

- Return Home from your primary job
 Return Home for another reason
 Meal/Eat
 Work
 Work Related
 School
 Personal Business: _____
 Volunteer/Civic
 Shop
 Social/Recreation/Entertainment
 Pick-Up/Drop-Off Passenger
 Change Mode (car to bus): _____

When did you leave this location?

____ : ____ AM PM

----- OR -----

This was the last place I went today

If You Forgot a Stop Anywhere Between This Location and Location 6, Provide the Information Below:

For what reason did you stop between Location 5 and 6? _____

Number of minutes stopped: _____

Where did you stop? _____
Name of Stop Location

_____ Address or Nearest Intersection

_____ City, County, and State

Location 6: Where did you go next?

When did you arrive at this location?

____ : ____ AM PM

What is the Name of this Location?

What Type of Place/Business Is This?

Street Address (be as specific as possible)

_____ & _____

Nearest Intersecting Streets

_____ County _____ State

_____ Zip Code (if known)

Did you walk **more than a block** from a parking lot or bus stop to get to this location?

- Yes If YES: where did you park?
 No _____

How did you get to Location 6?

What was the primary type of transportation you used?

- Car, van, truck Motorcycle or moped
 Bicycle Taxi
 Walk School Bus
 Service vehicle Cargo transport vehicle
 Transit Bus (Specify Route: _____)
 Other _____

If you used a car, van, or truck for this trip . . .

Were you the . . .? driver passenger

Including yourself, how many TOTAL people were in the vehicle? _____

Including yourself, how many people from YOUR HOUSEHOLD were in the vehicle? _____

Was this a . . .? Carpool Vanpool Neither

Please indicate the following about the vehicle:

Year _____ Make/Model _____

Was this your household's vehicle? Yes No

How much did you pay to park? \$ _____

What did you do here?

What did you do at this location? (check all that apply)

- Return Home from your primary job
 Return Home for another reason
 Meal/Eat
 Work
 Work Related
 School
 Personal Business: _____
 Volunteer/Civic
 Shop
 Social/Recreation/Entertainment
 Pick-Up/Drop-Off Passenger
 Change Mode (car to bus): _____

When did you leave this location?

____ : ____ AM PM

----- OR -----

This was the last place I went today

If You Forgot a Stop **Anywhere** Between This Location and Location 7, Provide the Information Below:

For what reason did you stop between Location 6 and 7? _____

Number of minutes stopped: _____

Where did you stop?

_____ Name of Stop Location

_____ Address or Nearest Intersection

_____ City, County, and State

Location 3: Where did you go next?

When did you arrive at this location?

____ : ____ AM PM

What is the Name of this Location?

What Type of Place/Business Is This?

Street Address (be as specific as possible)

_____ & _____

Nearest Intersecting Streets

_____ County _____ State

_____ Zip Code (if known)

Did you walk **more than a block** from a parking lot or bus stop to get to this location?

- Yes If YES: where did you park?
 No _____

How did you get to Location 3?

What was the primary type of transportation you used?

- Car, van, truck Motorcycle or moped
 Bicycle Taxi
 Walk School Bus
 Service vehicle Cargo transport vehicle
 Transit Bus (Specify Route: _____)
 Other _____

If you used a car, van, or truck for this trip . . .

Were you the . . .? driver passenger

Including yourself, how many TOTAL people were in the vehicle? _____

Including yourself, how many people from YOUR HOUSEHOLD were in the vehicle? _____

Was this a . . .? Carpool Vanpool Neither

Please indicate the following about the vehicle:

Year _____ Make/Model _____

Was this your household's vehicle? Yes No

How much did you pay to park? \$ _____

What did you do here?

What did you do at this location? (check all that apply)

- Return Home from your primary job
 Return Home for another reason
 Meal/Eat
 Work
 Work Related
 School
 Personal Business: _____
 Volunteer/Civic
 Shop
 Social/Recreation/Entertainment
 Pick-Up/Drop-Off Passenger
 Change Mode (car to bus): _____

When did you leave this location?

____ : ____ AM PM

----- OR -----

This was the last place I went today

If You Forgot a Stop **Anywhere** Between This Location and Location 4, Provide the Information Below:

For what reason did you stop between Location 3 and 4? _____

Number of minutes stopped: _____

Where did you stop?

_____ Name of Stop Location

_____ Address or Nearest Intersection

_____ City, County, and State

Location 2: Where did you go next?

When did you arrive at this location?

____ : ____ AM PM

What is the Name of this Location?

What Type of Place/Business Is This?

Street Address (be as specific as possible)

_____ & _____

Nearest Intersecting Streets

_____ County _____ State

Zip Code (if known)

Did you walk **more than a block** from a parking lot or bus stop to get to this location?

Yes If YES: where did you park?
 No _____

How did you get to Location 2?

What was the primary type of transportation you used?

- Car, van, truck Motorcycle or moped
 Bicycle Taxi
 Walk School Bus
 Service vehicle Cargo transport vehicle
 Transit Bus (Specify Route: _____)
 Other _____

If you used a car, van, or truck for this trip . . .

Were you the . . .? driver passenger

Including yourself, how many TOTAL people were in the vehicle? _____

Including yourself, how many people from YOUR HOUSEHOLD were in the vehicle? _____

Was this a . . .? Carpool Vanpool Neither

Please indicate the following about the vehicle:

Year _____ Make/Model _____

Was this your household's vehicle? Yes No

How much did you pay to park? \$ _____

What did you do here?

What did you do at this location? (check all that apply)

- Return Home from your primary job
 Return Home for another reason
 Meal/Eat
 Work
 Work Related
 School
 Personal Business: _____
 Volunteer/Civic
 Shop
 Social/Recreation/Entertainment
 Pick-Up/Drop-Off Passenger
 Change Mode (car to bus): _____

When did you leave this location?

____ : ____ AM PM

----- OR -----

This was the last place I went today

If You Forgot a Stop *Anywhere* Between This Location and Location 3, Provide the Information Below:

For what reason did you stop between Location 2 and 3? _____

Number of minutes stopped: _____

Where did you stop?

_____ Name of Stop Location

_____ Address or Nearest Intersection

_____ City, County, and State

Location 7: Where did you go next?

When did you arrive at this location?

____ : ____ AM PM

What is the Name of this Location?

What Type of Place/Business Is This?

Street Address (be as specific as possible)

_____ & _____

Nearest Intersecting Streets

_____ County _____ State

Zip Code (if known)

Did you walk **more than a block** from a parking lot or bus stop to get to this location?

Yes If YES: where did you park?
 No _____

How did you get to Location 7?

What was the primary type of transportation you used?

- Car, van, truck Motorcycle or moped
 Bicycle Taxi
 Walk School Bus
 Service vehicle Cargo transport vehicle
 Transit Bus (Specify Route: _____)
 Other _____

If you used a car, van, or truck for this trip . . .

Were you the . . .? driver passenger

Including yourself, how many TOTAL people were in the vehicle? _____

Including yourself, how many people from YOUR HOUSEHOLD were in the vehicle? _____

Was this a . . .? Carpool Vanpool Neither

Please indicate the following about the vehicle:

Year _____ Make/Model _____

Was this your household's vehicle? Yes No

How much did you pay to park? \$ _____

What did you do here?

What did you do at this location? (check all that apply)

- Return Home from your primary job
 Return Home for another reason
 Meal/Eat
 Work
 Work Related
 School
 Personal Business: _____
 Volunteer/Civic
 Shop
 Social/Recreation/Entertainment
 Pick-Up/Drop-Off Passenger
 Change Mode (car to bus): _____

When did you leave this location?

____ : ____ AM PM

----- OR -----

This was the last place I went today

If You Forgot a Stop *Anywhere* Between This Location and Location 8, Provide the Information Below:

For what reason did you stop between Location 7 and 8? _____

Number of minutes stopped: _____

Where did you stop?

_____ Name of Stop Location

_____ Address or Nearest Intersection

_____ City, County, and State

Location 8: Where did you go next?

When did you arrive at this location?

____ : ____ AM PM

What is the Name of this Location?

What Type of Place/Business Is This?

Street Address (be as specific as possible)

____ & _____
Nearest Intersecting Streets

____ City _____ County _____ State

____ Zip Code (if known)

Did you walk **more than a block** from a parking lot or bus stop to get to this location?

Yes If YES: where did you park?
 No _____

How did you get to Location 8?

What was the primary type of transportation you used?

- Car, van, truck Motorcycle or moped
 Bicycle Taxi
 Walk School Bus
 Service vehicle Cargo transport vehicle
 Transit Bus (Specify Route: _____)
 Other _____

If you used a car, van, or truck for this trip . . .

Were you the . . .? driver passenger

Including yourself, how many TOTAL people were in the vehicle? _____

Including yourself, how many people from YOUR HOUSEHOLD were in the vehicle? _____

Was this a . . .? Carpool Vanpool Neither

Please indicate the following about the vehicle:

Year _____ Make/Model _____

Was this your household's vehicle? Yes No

How much did you pay to park? \$ _____

What did you do here?

What did you do at this location? (check all that apply)

- Return Home from your primary job
 Return Home for another reason
 Meal/Eat
 Work
 Work Related
 School
 Personal Business: _____
 Volunteer/Civic
 Shop
 Social/Recreation/Entertainment
 Pick-Up/Drop-Off Passenger
 Change Mode (car to bus): _____

When did you leave this location?

____ : ____ AM PM

----- OR -----

This was the last place I went today

If You Forgot a Stop **Anywhere** Between This Location and Location 9, Provide the Information Below:

For what reason did you stop between Location 8 and 9? _____

Number of minutes stopped: _____

Where did you stop?

Name of Stop Location

Address or Nearest Intersection

City, County, and State

Location 1: Where did you go first?

When did you arrive at this location?

____ : ____ AM PM

What is the Name of this Location?

What Type of Place/Business Is This?

Street Address (be as specific as possible)

____ & _____
Nearest Intersecting Streets

____ City _____ County _____ State

____ Zip Code (if known)

Did you walk **more than a block** from a parking lot or bus stop to get to this location?

Yes If YES: where did you park?
 No _____

How did you get to Location 1?

What was the primary type of transportation you used?

- Car, van, truck Motorcycle or moped
 Bicycle Taxi
 Walk School Bus
 Service vehicle Cargo transport vehicle
 Transit Bus (Specify Route: _____)
 Other _____

If you used a car, van, or truck for this trip . . .

Were you the . . .? driver passenger

Including yourself, how many TOTAL people were in the vehicle? _____

Including yourself, how many people from YOUR HOUSEHOLD were in the vehicle? _____

Was this a . . .? Carpool Vanpool Neither

Please indicate the following about the vehicle:

Year _____ Make/Model _____

Was this your household's vehicle? Yes No

How much did you pay to park? \$ _____

What did you do here?

What did you do at this location? (check all that apply)

- Return Home from your primary job
 Return Home for another reason
 Meal/Eat
 Work
 Work Related
 School
 Personal Business: _____
 Volunteer/Civic
 Shop
 Social/Recreation/Entertainment
 Pick-Up/Drop-Off Passenger
 Change Mode (e.g., car to bus): _____

When did you leave this location?

____ : ____ AM PM

----- OR -----

This was the last place I went today

If You Forgot a Stop **Anywhere** Between This Location and Location 2, Provide the Information Below:

For what reason did you stop between Location 1 and 2? _____

Number of minutes stopped: _____

Where did you stop?

Name of Stop Location

Address or Nearest Intersection

City, County, and State

Start Location: At 3:00 am today, were you . . . ?

At Home

Please proceed to "Location 1" on the next page.

Traveling (you were driving or flying at 3:00 am today)

What type of transportation were you using?

- Car, van, truck Motorcycle or moped
- Bicycle Taxi
- Walk School Bus
- Service vehicle Cargo transport vehicle
- Transit Bus (Specify Route: _____)
- Other _____

Were you the . . . ? driver passenger

Including yourself, how many TOTAL people were in the vehicle? _____

Including yourself, how many people from YOUR HOUSEHOLD were in the vehicle? _____

Was this a . . . ? Carpool Vanpool Neither

Please indicate the following about the vehicle:

Year _____ Make/Model _____

Was this your household's vehicle? Yes No

At Work, or

At Another Location

What is the Name of this Location? _____

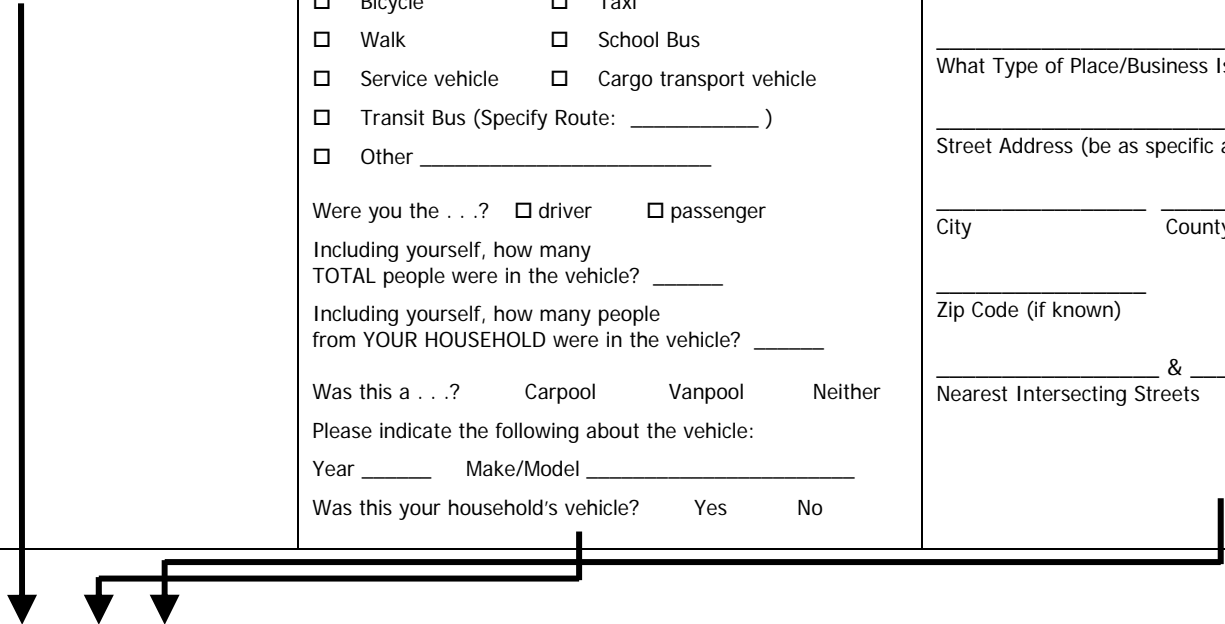
What Type of Place/Business Is This? _____

Street Address (be as specific as possible) _____

City _____ County _____ State _____

Zip Code (if known) _____

_____ & _____
Nearest Intersecting Streets



At what time did you leave your starting location? _____

Location 9: Where did you go next?

When did you arrive at this location?

____ : ____ AM PM

What is the Name of this Location? _____

What Type of Place/Business Is This? _____

Street Address (be as specific as possible) _____

_____ & _____
Nearest Intersecting Streets

City _____ County _____ State _____

Zip Code (if known) _____

Did you walk **more than a block** from a parking lot or bus stop to get to this location?

- Yes If YES: where did you park? _____
- No

How did you get to Location 9?

What was the primary type of transportation you used?

- Car, van, truck Motorcycle or moped
- Bicycle Taxi
- Walk School Bus
- Service vehicle Cargo transport vehicle
- Transit Bus (Specify Route: _____)
- Other _____

If you used a car, van, or truck for this trip . . .

Were you the . . . ? driver passenger

Including yourself, how many TOTAL people were in the vehicle? _____

Including yourself, how many people from YOUR HOUSEHOLD were in the vehicle? _____

Was this a . . . ? Carpool Vanpool Neither

Please indicate the following about the vehicle:

Year _____ Make/Model _____

Was this your household's vehicle? Yes No

How much did you pay to park? \$ _____

What did you do here?

What did you do at this location? (check all that apply)

- Return Home from your primary job
- Return Home for another reason
- Meal/Eat
- Work
- Work Related
- School
- Personal Business: _____
- Volunteer/Civic
- Shop
- Social/Recreation/Entertainment
- Pick-Up/Drop-Off Passenger
- Change Mode (car to bus): _____

When did you leave this location?

____ : ____ AM PM

----- OR -----

This was the last place I went today

If You **Forgot** a Stop **Anywhere** Between This Location and Location 10, Provide the Information Below:

For what reason did you stop between Location 9 and 10? _____

Number of minutes stopped: _____

Where did you stop? _____

Name of Stop Location

Address or Nearest Intersection

City, County, and State

Location 10: Where did you go next?

When did you arrive at this location?

____ : ____ AM PM

What is the Name of this Location?

What Type of Place/Business Is This?

Street Address (be as specific as possible)

____ & _____
Nearest Intersecting Streets

____ City _____ County _____ State

____ Zip Code (if known)

Did you walk **more than a block** from a parking lot or bus stop to get to this location?

Yes If YES: where did you park?
 No _____

How did you get to Location 10?

What was the primary type of transportation you used?

- Car, van, truck Motorcycle or moped
 Bicycle Taxi
 Walk School Bus
 Service vehicle Cargo transport vehicle
 Transit Bus (Specify Route: _____)
 Other _____

If you used a car, van, or truck for this trip . . .

Were you the . . .? driver passenger

Including yourself, how many TOTAL people were in the vehicle? _____

Including yourself, how many people from YOUR HOUSEHOLD were in the vehicle? _____

Was this a . . .? Carpool Vanpool Neither

Please indicate the following about the vehicle:

Year _____ Make/Model _____

Was this your household's vehicle? Yes No

How much did you pay to park? \$ _____

What did you do here?

What did you do at this location? (check all that apply)

- Return Home from your primary job
 Return Home for another reason
 Meal/Eat
 Work
 Work Related
 School
 Personal Business: _____
 Volunteer/Civic
 Shop
 Social/Recreation/Entertainment
 Pick-Up/Drop-Off Passenger
 Change Mode (car to bus): _____

When did you leave this location?

____ : ____ AM PM

----- OR -----

This was the last place I went today

If You Forgot a Stop Anywhere Between This Location and the "Additional Locations" Provide the Information Below:

For what reason did you stop between Location 10 and 11? _____

Number of minutes stopped: _____

Where did you stop?

Name of Stop Location

Address or Nearest Intersection

City, County, and State

Work Information

Do you currently work on a regular basis? Yes No

If you do not currently work, please go to the "Start Location" section.

How many different jobs do you have? _____

If you have more than one job, please refer to the job at which you spend the most hours for the following questions.

In which type of industry do you work?

- Agriculture, forestry, fishing and hunting, mining
- Construction
- Manufacturing
- Wholesale trade
- Retail Trade
- Transportation, warehousing, utilities
- Information
- Finance, insurance, real estate, rental, leasing
- Professional, scientific, management, administrative, and water management services
- Education, health, social services
- Arts, entertainment, recreation, accommodation, and food service
- Other services (except public administration)
- Public administration

Of the last seven days, how many did you work at home? ____ days

What is the location of your workplace?

Name of Employer

Type of Business

Street Address

City, County State

Zip Code

& _____
Nearest Intersecting Streets

Is this location an office in the home or a business operated out of the home? Yes No

Instructions

Please tell us about **ALL locations you traveled to, what you did, and how you got there**, beginning at 3 a.m. Include all changes in location you made whether you were traveling by vehicle, bus, bike, walking, or other means. Give us as much information as you can about each location or place you stopped, no matter how short. For example, if you stop to get gas on your way to work, please record both locations separately. Also, **try to record as much detail about the address as possible**. For example, write 123 N. Main Street instead of 123 Main.

If you have any questions, please call 1-888-801-5368
ETC Institute

School Information

Do you currently attend school? Yes No
(This includes all levels of school, from day care to college.)
If you do not currently attend school, please go to the "Bike Use" section to the right.

What type of school do you attend?

Day Care/Preschool

K-12 (Elementary – High School)

If your answer to the question is below this line, please also answer the question below.

Vocational or trade school

Post-secondary (College, professional school)

Other (Specify): _____

Are you enrolled for 12 or more hours? Yes No

Bike Use

Of the last seven days,
How many did you ride a bike? ____ days

What was the most common purpose for your bike trip(s)?

Work

School

Shopping

Visiting

Recreation/Exercise

Other (Specify): _____

Additional Locations

Use the additional sheets provided if you have more than 10 Locations where you made a stop.

Questions?

If you have any questions,
please call **1-888-801-5368** toll-free.

ETC Institute
725 W. Frontier Circle
Olathe, KS 66061

Comments

Thank you for your participation in this important survey.

Location 2: Where did you go next?

When did you arrive at this location?

____ : ____ AM PM

What is the Name of this Location?

What Type of Place/Business Is This?

Street Address (be as specific as possible)

_____ & _____

Nearest Intersecting Streets

City _____ County _____ State _____

Zip Code (if known)

Did you walk **more than a block** from a parking lot or bus stop to get to this location?

Yes If YES: where did you park?
 No _____

How did you get to Location 2?

What was the primary type of transportation you used?

- Car, van, truck Motorcycle or moped
- Bicycle Taxi
- Walk School Bus
- Service vehicle Cargo transport vehicle
- Transit Bus (Specify Route: _____)
- Other _____

If you used a car, van, or truck for this trip . . .

Were you the . . .? driver passenger

Including yourself, how many TOTAL people were in the vehicle? _____

Including yourself, how many people from YOUR HOUSEHOLD were in the vehicle? _____

Was this a . . .? Carpool Vanpool Neither

Please indicate the following about the vehicle:

Year _____ Make/Model _____

Was this your household's vehicle? Yes No

How much did you pay to park? \$_____

What did you do here?

What did you do at this location? (check all that apply)

- Return Home from your primary job
- Return Home for another reason
- Meal/Eat
- Work
- Work Related
- School
- Personal Business: _____
- Volunteer/Civic
- Shop
- Social/Recreation/Entertainment
- Pick-Up/Drop-Off Passenger
- Change Mode (car to bus): _____

When did you leave this location?

____ : ____ AM PM

----- OR -----

This was the last place I went today

If You Stopped Anywhere Between This Location and Location 3, Provide the Information Below:

For what reason did you stop between Location 2 and 3? _____

Number of minutes stopped: _____

Where did you stop?

Name of Stop Location

Address or Nearest Intersection

City, County, and State

Each person completes an activity/travel diary for **ONE** day

See Example on back page

Circle your travel day: Monday Tuesday Wednesday Thursday Friday

Write your travel date: _____

Person's age: _____ Gender: Male Female

If someone stays home all day, mark diary Location 1 "stayed home all day" and return.

If someone is out of town or away from residence for entire day and night,

Mark diary Location 1 "out of region all day" and return.

**2007 Houston REGIONAL
HOUSEHOLD ACTIVITY/TRAVEL SURVEY**

Interviewer:: _____

Household #: _____

Phone number: _____

Letter sent _____

01=yes 02=not received 03=not sent

HOUSEHOLD INFORMATION SHEET (01)

Texas Department of Transportation
Houston MPO Household Travel Survey

H16: **NUMBER PERSONS**

Including yourself, how many people live in your household? Please do NOT include anyone who usually lives elsewhere or is just visiting, such as a college student away at school. Include roommates and housemates. Do NOT include children living away from home.

TOTAL NUMBER OF HOUSEHOLD MEMBERS: _____

H17: **NUMBER EMPLOYED PERSONS**

How many persons in your household, including yourself, are currently employed either full or part time?

__ __ persons

H18: **VEHICLES AVAILABLE**

How many working vehicles do you have available to members of your household? Please count all owned and leased cars, vans, trucks, motorcycles, and mopeds that are working, as well as vehicles available for REGULAR USE to your household, such as company vehicles.

__ __ number of vehicles

H19: **VEHICLES OWNED**

How many of these vehicles are owned by you or other members of your household? Consider vehicles that are being leased or for which your household is making payments on a loan as being owned.

__ __ number of vehicles owned by your household

Complete one vehicle sheet for each vehicle

H20: **BIKES**

How many working BICYCLES are available for use by members of your household?

__ __ number of bicycles

H21: **RESIDENCE**

Which of the following BEST describes your home? (CHECK ONE)

- __ 01 Unattached Single Family Home – not attached to another home
- __ 02 Condo
- __ 03 Duplex
- __ 04 Apartment
- __ 05 Mobile Home
- __ 06 Other: (Answer H22)

H22: **OTHER**: Please Specify _____

H23: **TENURE**

How many years have you lived in your current home? (CHECK ONE)

- 00 Less than one year (Answer H24)
- 01 1 year (Answer H24)
- 02 2 years (Answer H24)
- 03 3 years (Answer H24)
- 04 4 years (Answer H24)
- 05 5 or more years [SKIP TO H26]

Answer H24 and H25 only if you lived in your current home LESS THAN 5 YEARS

H24: PREVIOUS RESIDENCE

Was your previous residence in the Houston Region? (1) Yes (2)No

H25: PREVIOUS ZIP CODE

In what zip code was your previous residence located? _ _ _ _ _

H26: **HH FACTORS**

Which of the following factors MOST influenced your decision to move to your current home?
(CHECK ALL THAT APPLY)

- 1 Price of Property / Rent
- 2 Taxes
- 3 Proximity to Work
- 4 School District
- 5 Proximity to School
- 6 Character of Neighborhood or Area
- 7 Access to Public Transportation
- 8 Security / Safety
- 9 Other (Go to H27)

H27: OTHER: Specify _____

H28: **ANNUAL HH INCOME**

In order to be sure that the survey accurately represents all residents of the Houston and surrounding area,

Please indicate the combined annual income for your HOUSEHOLD

- | | | |
|--------------------------|--------------------------|----------------------------|
| 01) Under \$5,000 | 10) \$30,000 to \$32,499 | 19) \$70,000 to \$74,999 |
| 02) \$5,000 to \$9,999 | 11) \$32,500 to \$34,999 | 20) \$75,000 to \$79,999 |
| 03) \$10,000 to \$14,999 | 12) \$35,000 to \$39,999 | 21) \$80,000 to \$99,999 |
| 04) \$15,000 to \$17,499 | 13) \$40,000 to \$44,999 | 22) \$100,000 to \$124,999 |
| 05) \$17,500 to \$19,999 | 14) \$45,000 to \$49,999 | 23) \$125,000 to \$149,999 |
| 06) \$20,000 to \$22,499 | 15) \$50,000 to \$54,999 | 24) \$150,000 to \$199,999 |
| 07) \$22,500 to \$24,999 | 16) \$55,000 to \$59,999 | 25) \$200,000+ |
| 08) \$25,000 to \$27,499 | 17) \$60,000 to \$64,999 | |
| 09) \$27,500 to \$29,999 | 18) \$65,000 to \$69,999 | |

H32: **DELIVERY VEHICLE**

Does anyone in your household drive some form of delivery or commercial service vehicle?

- (1) Yes
- (2) No

H33: **NUMBER DELIVERY DRIVERS**

How many people in your household either drive a delivery or commercial service vehicle in the Houston region as part of their job?

___ number of delivery drivers in your household

H34: **PHONE SERVICE**

In the past 12 months, how many times, if any, did your household not have telephone service?
(This means not having phone service from non-payment or from having moved - NOT from storms, outages, etc.)

___ number of times (If More than 0, please answer H35)

H35: TIME WITHOUT PHONE

On average, how long was your household without phone service each time?

- ___01 Less than one week
- ___02 One week to less than two weeks
- ___03 Two weeks to less than one month
- ___04 One month to less than three months
- ___05 Three months to less than six months
- ___06 Six months to less than one year
- ___07 One year or more

Complete one personal sheet for each person in household.

CONTACT INFORMATION

YOUR NAME (first and last): _____

YOUR HOME MAILING ADDRESS: May I have your mailing address?

_____	_____
Street Address/P.O. Box Number	Apt Number if applicable
_____	<u>TX</u> _____
City	State Zip

PHYSICAL ADDRESS OF YOUR HOME: Is the physical location of your home the same as your mailing address? [if not] then get physical location of home

H9: _____
Street Address/ Apt Number if applicable

H10: _____ H11: _____
City State Zip

H12: **Which County do you live in?**

- | | |
|---------------|----------------|
| 01) Brazoria | 05) Harris |
| 02) Chambers | 06) Liberty |
| 03) Fort Bend | 07) Montgomery |
| 04) Galveston | 08) Waller |

YOUR HOME PHONE NUMBER: (_____) _____ - _____

PERSONAL INFORMATION SHEET (02)

Texas Department of Transportation
Household Travel Survey

PRIMARY RESPONDENT

Is the information on this form about you or another member of your household?

- 01** Me
 02 Another Household Member

HEAD OF HOUSHOLD: Are you (this person) the head of the household? **YES** **NO**

P4 RELATIONSHIP TO HH: How are you (this person) related to the head of household?

- | | |
|---|--|
| <input type="checkbox"/> 00 Head of Household | <input type="checkbox"/> 06 Son / Daughter / In-Law |
| <input type="checkbox"/> 01 Husband / Wife / Unmarried Partner | <input type="checkbox"/> 07 Aunt / Uncle |
| <input type="checkbox"/> 02 Mother / Father / In-Law | <input type="checkbox"/> 08 Other Relative |
| <input type="checkbox"/> 03 Brother / Sister / In-Law | <input type="checkbox"/> 09 Other Non-Relative |
| <input type="checkbox"/> 04 Grandfather / Grandmother | <input type="checkbox"/> 10 Household Help |
| <input type="checkbox"/> 05 Grandson / Granddaughter | |

P5 Person number who is the head of the household: **01**

P6 GENDER: Are you (is this person) a male or female? **01** Male **02** Female

P7 ETHNICITY: What is your (this person's) ethnicity? (CHECK ALL THAT APPLY)

- | | |
|--|--|
| <input type="checkbox"/> 01 Black / African American | <input type="checkbox"/> 04 Native American |
| <input type="checkbox"/> 02 Hispanic / Mexican American | <input type="checkbox"/> 05 White / Caucasian |
| <input type="checkbox"/> 03 Asian / Pacific Islander | <input type="checkbox"/> 06 Other Group (Answer P8) |

P8 OTHER: Specify _____

P9 AGE: What is your (this person's) age? _____ Years

P10 LICENSED DRIVER: Are you (this person) a licensed driver? **01** YES **02** NO

P11 EMPLOYMENT: Are you (is this person) employed in a paying or volunteer job?

- 01** YES (GO TO **P12**) **02** NO (Answer **P14** Below)

P14 NOT EMPLOYED: Which of the following best describes your (this person's) situation?

- | | |
|--|--|
| <input type="checkbox"/> 01 Retired | <input type="checkbox"/> 04 Looking for Work |
| <input type="checkbox"/> 02 Disabled | <input type="checkbox"/> 05 Not Looking for Work |
| <input type="checkbox"/> 03 Homemaker | <input type="checkbox"/> 06 Student (GO TO P42) |
| <input type="checkbox"/> 96 Other | (GO TO BACK PAGE) |

P15 OTHER: Specify: _____

P12 EMPLOYMENT STATUS: Which of the following best describes your (this person's) employment status?

- 01** Employed full-time (30 or more hours per week)
 02 Employed part-time (less than 30 hours per week)
 03 Self-Employed full-time (30 or more hours per week)
 04 Self-Employed part-time (less than 30 hours per week)

P13 HOURS: Approximately how many hours per week do you (does this person) typically work?

___ ___ ___ Hours per Week (AT ALL JOBS)

P22 HOME OFFICE: Is your (this person's) place of employment a home-based business?

_____ 01 YES

_____ 02 NO

P23 TELECOMMUTE: Do you (does this person) work from home or telecommute on a regular basis?

_____ 01 YES

_____ 02 NO

P32 DAYS WORKED: How many days per week do you (does this person) typically work?

_____ Days Per Week (ALL JOBS)

P37 WORKED FROM HOME: How many days have you worked at home for your job during the past 7 days?

_____ Days

P18 SECOND JOB: Do you (does this person) have more than one job?

_____ 01 YES (Continue at P34)

_____ 02 NO (GO TO NEXT PAGE)

P34 SECOND WORKPLACE TYPE: What type of workplace is your (this person's) primary place of employment?

_____ 01 Office (Non-Government)

_____ 07 Education (Post-Secondary)

_____ 02 Office (Government)

_____ 08 Residential

_____ 03 Retail / Shopping / Gas

_____ 09 Airport

_____ 04 Industrial/Manufacturing/Whse

_____ 10 Eating Establishment

_____ 05 Medical

_____ 06 Education (Daycare / K-12)

_____ 96 Other (Answer P21)

P35 OTHER: Specify: _____

P36 EMPLOYMENT STATUS: Which of the following best describes your (this person's) employment status?

_____ 01 Employed full-time (30 or more hours per week)

_____ 02 Employed part-time (less than 30 hours per week)

_____ 03 Self-Employed full-time (30 or more hours per week)

_____ 04 Self-Employed part-time (less than 30 hours per week)

P40 OCCUPATION AREA: In which of the following areas is your (this person's) **SECONDARY** occupation?

_____ 01 Management, Professional, and related occupations

_____ 02 Service Occupations

_____ 03 Sales and Office Occupations

_____ 04 Farming, Fishing, and Forestry Occupations

_____ 05 Construction, Extraction, and Maintenance Occupations

_____ 06 Production, Transportation, and Material Moving Occupations

OTHER: _____

P41 INDUSTRY: In which of the following industry areas is your (this person's) **SECONDARY** occupation?

_____ 01 Agriculture, Fishing, and Forestry

_____ 08 Finance, Insurance, Real Estate, Rental

_____ 02 Construction

_____ 09 Professional, Scientific, and Mng.

_____ 03 Manufacturing

_____ 10 Education, Health, and Social Services

_____ 04 Wholesale Trade

_____ 11 Arts, Entertainment, and Rec.

_____ 05 Retail Trade

_____ 12 Other Services (Except Public Admin.)

_____ 06 Transportation, Whse, Utilities

_____ 13 Public Administration

_____ 07 Information

P42 SCHOOL ATTENDANCE: Do you (does this person) currently attend school?

01 YES 02 NO

P43 TYPE OF SCHOOL

01 Daycare / Preschool 04 Other (Answer P44)
 02 K-12 98 Don't Know
 03 Post-Secondary (Answer P45) 99 Refused

P44 Description of other type of school _____

P45 Are you (is this person) enrolled in 12 or more hours?

01 YES 02 NO

P46 BIKE USE: During the last 7 days, how many days did you ride a bike? _____ DAYS

P47 What was the MOST COMMON trip purpose for those bike trips?

01 Work 04 Visiting
 02 School 05 Recreation / Exercise
 03 Shopping 99 Refused
 98 Don't Know

P48 DISABILITY: Do you (does this person) have a disability that makes it difficult to travel?

01 YES 02 NO

Editor's Use Only

P49 TRAVEL INFORMATION: Did person travel on the designated travel day?

01 YES 02 NO
 96 Out of Town or Away from Residence for the entire day and night of their travel day.

P50 TOTAL NUMBER OF TRIPS FOR THIS PERSON: ___ ___ ___

P51 WHY NO TRAVEL: _____

P52 DIARY USE: 01 YES, USED DIARY

P53 PROXY:

01 Respondent provided information by phone
 02 Someone else provided information by phone
 03 Mailed Diary
 98 Don't Know
 99 Refused

P54 PROXY ID: ___ ___

98 Don't Know 99 Refused

P55 RETRIEVAL DATE: _____

Household # (to be assigned by editor): _____

Vehicle number: (2 DIGITS) _____

VEHICLE INFORMATION SHEET (03)

Texas Department of Transportation
Household Travel Survey

Please Complete A Separate Sheet for EACH Vehicle in Household

V4: TYPE OF VEHICLE: What TYPE of vehicle is this Vehicle?

- ___ **01** Motorcycle (includes mopeds)
- ___ **02** Car (includes station wagons)
- ___ **03** Van (mini and passenger)
- ___ **04** SUV (Sport Utility Vehicle)
- ___ **05** Pickup Truck
- ___ **06** Cargo Transport Vehicle (used to carry commercial goods and cargo)
- ___ **07** Service Vehicle (like those used by plumbers, electricians, or telephone/cable repair)
- ___ **09** Other **(Answer V5)**

V5: OTHER Specify _____

V6: YEAR: What year is this vehicle? (4 DIGITS) _____

V7: MAKE: What is the make of this vehicle? (CIRCLE ONE)

Common Vehicles

- | | | |
|----------------|--------------------|-----------------------|
| 01 – Acura | 15 – Infiniti | 28 – Oldsmobile |
| 02 – Audi | 16 – Isuzu | 29 – Plymouth |
| 03 – BMW | 17 – Jaguar | 30 – Pontiac |
| 04 – Buick | 18 – Jeep | 31 – Porsche |
| 05 – Cadillac | 19 – Kawasaki | 32 – Range/Land Rover |
| 06 – Chevrolet | 20 – KIA | 33 – Saab |
| 07 – Chrysler | 21 – Lexus | 34 – Saturn |
| 08 – Dodge | 22 – Lincoln | 35 – Subaru |
| 09 – Ford | 23 – Mazda | 36 – Suzuki |
| 10 – Geo | 24 – Mercury | 37 – Toyota |
| 11 – GMC | 25 – Mercedes-Benz | 38 – Volkswagen |
| 13 – Honda | 26 – Mitsubishi | 39 – Volvo |
| 14 – Hyundai | 27 – Nissan/Datsun | |

Less Common Vehicles

- | | | |
|-----------------------------|------------------------------------|----------------------|
| 12 – Harley Davidson | 52 – Eagle | 65 – MCI |
| 40 – Yamaha | 53 – Eagle Coach | 66 – Merkur |
| 41 – Daewoo | 54 – Fiat | 67 – MG |
| 42 – Alfa Romeo | 55 – Freightliner | 68 – Moto-Guzzi |
| 43 – AM General | 56 – FWD | 69 – Norton |
| 44 – AMC | 57 – Gillig | 70 – Peterbuilt |
| 45 – Austin / Austin Healey | 58 – Grumman | 71 – Peugeot |
| 46 – Bluebird | 59 – Imperial | 72 – Renault |
| 47 – Brockway | 60 – Interntl Harvester / Navistar | 73 – Sterling |
| 48 – BSA | 61 – Iveco / Magirus | 74 – Thomas Built |
| 49 – Daihatsu | 62 – Kenworth | 75 – Triumph |
| 50 – Diamond Reo / Reo | 63 – Lancia | 76 – White / Autocar |
| 51 – Ducati | 64 – Mack | 77 – Yugo |

Other Vehicle-Not Listed

- | | | |
|-----------------------|----------------------------|------------------------|
| 78 – Other Make Moped | 79 – Other Make Motorcycle | 97 – Other (Answer V8) |
|-----------------------|----------------------------|------------------------|

V8: Other Make: _____

CONTINUE ON BACK →

V 9: MODEL: What model is this vehicle? A model would be like a Voyager, Camry, F150 Pickup, and Suburban.

Model: _____

V10: FUEL: What type of fuel does this vehicle use?

- 1** Gasoline
- 2** Diesel
- 3** Propane
- 4** Natural gas
- 5** Electricity
- 6** Other (Answer V11)
- 7** Gas/Electric

V11: OTHER Specify _____

V12: COMMERCIAL USE. Is this vehicle used for commercial or business purposes?

For example, contractors or self-employed persons such as independent plumbers, landscapers, builders/remodelers, etc. who carry their equipment and tools to do their job and make money.

This would also include delivery drivers, but not someone (white collar) who uses their personal vehicle for business travel..

- 01** Yes
- 02** No

STOP HERE FOR NON-HOUSEHOLD VEHICLES – Household vehicles continue

V13: ODOMETER. What is the odometer reading on this vehicle? _____ miles

V15: OWNERSHIP. Is this vehicle owned or leased by YOU or someone in your household, or by ANOTHER PERSON? (LEASED VEHICLES ARE CONSIDERED "OWNED")

- 01** Owned/Leased by respondent or someone in household
- 02** Owned/Leased by another person

**PLEASE COMPLETE A SEPARATE VEHICLE SHEET
FOR EACH VEHICLE IN HOUSEHOLD**

Editor's Use Only

V17: NON HH USE. Was this vehicle used by a non-household member?

- 01 Yes
- 02 No

V16: NON HH VEHICLE NUMBER. Vehicle number: _____

**BE SURE TO RETURN THIS FORM
WITH YOUR COMPLETED DIARIES**

HOUSEHOLD TRAVEL REPORT

Texas Department of Transportation
Mailed Household Travel Survey
1 COMPLETED PER HOUSEHOLD

H30: DAY VISITORS. How many different people who are not members of your household stopped by or visited your home for any reason on your travel day?

_____ people

H31: OVERNIGHT VISITORS. How many different people who are not members of your household spent the night at your house on your travel day?

H36: HH VEHICLE USED BY NON HH MEMBER. Did anyone who is not a member of your household drive one of the vehicles that belongs to your household on your travel day?

01 Yes (Answer V16)

02 No

03 Not applicable; our household does not have any vehicles

V16: NON HH VEHICLE NUMBER. Which of your vehicles were used by a person who is not a member of your household?

See Instructions on Other Side

THINGS TO REMEMBER

Individual Travel Diaries are enclosed for each member of your household. These travel diaries will help members of your household keep track of their trips on their travel day.

WHEN YOU RETURN YOUR DIARIES, PLEASE SEND THE FOLLOWING:

- 1) A completed travel diary for each member of your household
- 2) The Household Travel Report Form (Reverse side of this sheet)

INSTRUCTIONS

- # Please ensure that an **INDIVIDUAL TRAVEL DIARY** is completed for EVERYONE in your household. ***For young children*** or persons with disabilities, please have another member of your household (i.e., parent) complete the travel diary. If your child goes on a field trip while at school, please ensure that the trip is recorded.
- # **Record ALL Trips that you make on your travel day, including walking and biking trips.** Please record ALL locations you traveled to and how you got there. Include all changes in location you made, no matter how short, whether you were traveling by vehicle, bus, bike, walking, or other means. Each member of your household should complete his or her own diary whenever possible. Even if your travel on the assigned travel day is not typical, we still want to know about it. If you are uncertain about whether to include a location, go ahead and record it.
- # Your travel day begins at 3:00 am on the day shown on the orange card and goes until 3:00 am the next day. ***(If you are at work at 3:00 am, begin your travel diary at work).***
- # Please ask all members of your household who are completing the travel diary to carry a travel diary with him/her on the travel day and to record each trip after it is made (even if the trip is made with another member of the household). **Be sure to record each place that you go, not just your final destination.** For example, if you stop for gas on your way home from work, record the trip from work to the gas station and the trip from the gas station to your home separately.
- # **Please provide complete addresses** whenever possible for each destination you visit. **Include the street prefix (E, N, S, W) and the street suffix (Ave, St, Lane, Terr) when applicable. For example write 123 W. Main St not 123 Main.**
- # If 2 or more persons in the household travel together, the trip should appear on each person's travel diaries.

Questions??? Please call the toll-free travel survey "helpline"

at 1-888-801-5368.

Please Complete Information on Other Side!



Houston-Galveston Regional Household Activity/ Travel Survey

Dear Resident:

On behalf of the Texas Department of Transportation and the Houston-Galveston Area Council (H-GAC), ETC Institute would like to thank you for your participation in the Houston-Galveston Household Activity/Travel Survey.

By sharing your household's activity and travel information, you are helping to determine and plan for the transportation needs of the greater Houston-Galveston area.

If you have any questions, please give me a call toll-free at 888-801-5268.

Sincerely,

Chris Tatham
Project Manager
ETC Institute



Actividad Doméstica de la Región de Houston-Galveston/Encuesta de Viaje

Estimado Residente:

El Departamento de Transportación del Estado de Texas y el Consejo de la Area de Houston-Galveston (H-GAC) en conjunto con el Instituto ETC quisiera darles las gracias por su participación en la Actividad Doméstica/Encuesta de Viaje de Houston-Galveston del 2008-2009.

Compartiendo la información de su actividad doméstica y de viajes nos ayudará a planificar y desarrollar los métodos de transportación en la Area de Houston-Galveston.

Sí tiene preguntas adicionales, por favor llame al 1-888-801-5368.

Sinceramente,

Chris Tatham
Gerente de Proyectos
Instituto ETC