2018 Rio Grande Valley Household Travel Survey
Technical Summary
Texas Department of Transportation Travel Survey Program

By
Gargi Singh
Assistant Research Scientist

and
Byron T. Chigoy
Research Scientist

and
Edwin N. Hard
Transportation Planning Program Manager
Texas A&M Transportation Institute

Performed in cooperation with the
Texas Department of Transportation
and the
Rio Grande Valley Metropolitan Planning Organization
and the
Federal Highway Administration

March 2020

TEXAS A&M TRANSPORTATION INSTITUTE
The Texas A&M University System
College Station, Texas 77843-3135
DISCLAIMER

The contents of this report reflect the views of the authors, who are responsible for the facts and the accuracy of the data presented herein. The contents do not necessarily reflect the official views or policies of the Federal Highway Administration (FHWA) or the Texas Department of Transportation (TxDOT). This report does not constitute a standard, specification or regulation.

ACKNOWLEDGEMENTS

The authors would like to thank Christeen Pusch, TxDOT Travel Survey Program Manager, and the Department for its continuing program to collect and analyze urban travel data to support travel demand modeling.
# TABLE OF CONTENTS

List of Figures .................................................................................................................... vi
List of Tables ....................................................................................................................... vi
Introduction .......................................................................................................................... 1
  Sample Design..................................................................................................................... 1
  Study Area Household Population and Sample .............................................................. 4
Household Survey Results ................................................................................................... 5
  Key Points Regarding Household Survey Data ............................................................... 5
  Survey Data Expansion ..................................................................................................... 6
  Findings of the Survey ...................................................................................................... 7
Household Characteristics .................................................................................................. 8
  Household Size ................................................................................................................ 8
  Household Life Cycle ....................................................................................................... 9
  Household Income .......................................................................................................... 9
  Household Vehicle Availability and Licensed Drivers .................................................... 10
  Ethnicity ............................................................................................................................ 14
Travel Characteristics ......................................................................................................... 15
  Household Trip Rates and Vehicle Occupancy ............................................................... 15
  Travel by Age Cohort ....................................................................................................... 18
Mode of Travel ..................................................................................................................... 19
Amount of Travel ................................................................................................................ 20
  Trip Distance .................................................................................................................. 20
  Trip Duration ................................................................................................................... 21
  Vehicle Miles of Travel ................................................................................................. 23
  Time of Travel ................................................................................................................. 23
Travel Purpose ...................................................................................................................... 24
  Type of Place at Trip Destination ................................................................................... 24
Where People Traveled ....................................................................................................... 25
Terminology .......................................................................................................................... 31
Appendix A: Household Survey Instruments: Final Recruitment Materials ..................... 34
Appendix B: Household Survey Instruments: Final Travel Journal Materials ................... 40
Appendix C: Household Survey Instruments: Final Web Recruitment Specifications ......... 56
Appendix E: Final Web and Paper Travel Journal Specifications .................................... 88
Appendix F: Paper Travel Journal .................................................................................... 136
LIST OF FIGURES

Figure 1. Rio Grande Valley Study Area. ................................................................. 2
Figure 2. Surveyed Household Locations within the Rio Grande Valley Study Area. .......... 3
Figure 3. Distribution of Rio Grande Valley Study Area Households by Household Size. .......... 8
Figure 4. Distribution of Household Size by Life Cycle Groupings. ................................ 9
Figure 5. Distribution of Households by Household Income Range. ................................. 10
Figure 6. Distribution of Households by Number of Vehicles Available. ............................ 11
Figure 7. Distribution of Households by Number of Licensed Drivers. ............................... 11
Figure 8. Comparison of Households by Licensed Drivers and Vehicle Availability. ............ 12
Figure 9. Distribution of Households by Number of Persons Employed. ............................ 13
Figure 10. Distribution of Persons by Employment Status. ........................................... 13
Figure 11. Distribution of Employed Persons by Employer Type. .................................... 14
Figure 12. Distribution of Persons by Ethnicity. ......................................................... 15
Figure 13. Household Trip Rates by Household Size. ................................................. 16
Figure 14. Household Trip Rates by Household Income Range. ....................................... 16
Figure 15. Household Trip Rates by Number of Vehicles Available. ................................. 17
Figure 16. Distribution of Person Trips by Mode of Travel. ............................................ 20
Figure 17. Distribution of Person Trips by Trip Distance in Miles. ..................................... 20
Figure 18. Distribution of Vehicle Trips by Trip Distance in Miles. .................................... 21
Figure 19. Distribution of Person Trips by Trip Duration in Minutes. ................................. 22
Figure 20. Distribution of Vehicle Trips by Trip Duration in Minutes. ............................... 22
Figure 21. Distribution of Person Trip Start Times by Hour of the Day. .............................. 23
Figure 22. Distribution of Person Trips by Trip Destination Purpose. ................................. 24
Figure 23. Sectors to Illustrate Trip Movements within the Rio Grande Valley Study Area. .... 26
Figure 24. Person Trip Interchanges for Sectors 1 through 5. ......................................... 27
Figure 25. Person Trip Interchanges for Sectors 6 through 10. ....................................... 28
Figure 26. Person Trip Interchanges for Sectors 11 through 13. ...................................... 29
Figure 27. Percentage of Person Trips that Remain within Each Sector. ............................ 30

LIST OF TABLES

Table 1. Estimated Study Area Households .................................................................. 4
Table 2. Estimated Number of Existing and Surveyed Households Stratified by Household Size and Income Range................................................................. 5
Table 3. Person Trips per Household by Household Size and Household Income. ............... 17
Table 4. Average Vehicle Occupancy by Household Size and Household Income. .............. 18
Table 5. Number of Persons Making Internal Trips by Age Cohort. ................................. 19
Table 6. Number of Person Trips by Trip Destination .................................................. 25
INTRODUCTION

The Transportation Planning and Programming Division (TPP) of the Texas Department of Transportation (TxDOT) sponsored a comprehensive set of travel surveys for the Rio Grande Valley Metropolitan Planning Organization (RGVMPO), including household, workplace, and commercial vehicle surveys. Data collection for these surveys began in February of 2017 and ended in May of 2019. The purpose of the surveys was to collect data and information needed as input to the RGVMPO area travel demand model, which is an important planning tool used to forecast future traffic levels on area roadways, evaluate the region’s transportation plan and aid (if needed) in the region’s air quality conformity analyses.

Most urbanized areas in Texas (as well as in the U.S. and abroad) rely on travel forecasting models as a tool in their transportation planning and air quality analysis efforts. Since modeling results may be used in determining the conformity or non-conformity status of transportation plans to federal clean air regulations, the use of accurate and up-to-date data from regional travel surveys is important to TxDOT and MPOs across the state.

Three different types of travel surveys were conducted in the Rio Grande Valley area, including a household survey with a passive Global Positioning System (GPS) component, a workplace survey that included special generator surveys, and a commercial vehicle survey. Each survey collected a different component of travel needed for use in a travel demand model. All surveys were designed to capture characteristics of weekday travel during the school year.

This report summarizes the results of the household survey for the Rio Grande Valley study area that was conducted from November 2017 through December 2018. The survey was conducted using a web-based survey where 99 percent of the surveys were collected via an internet website. Less than 1 percent of the surveys were completed using traditional computer assisted telephone interview (CATI) and paper diary methods. The summary information in this report is subject to modification as the survey data are further evaluated and analyzed within the context of all the travel surveys conducted.

Sample Design

The household survey sample design is based on obtaining travel information from a predetermined number of households within certain ranges of household income, number of people employed and household size. The desired number of households to be surveyed in each
cell is calculated considering the number of households within each cell and the expected amount and variation of travel that these households will exhibit on a typical weekday. Trip rates and trip rate variability from previous household surveys are used for this calculation.

The sample size is developed using the estimated distribution of households in the modeling area in 2015. It is based on a desired level of accuracy of +/- 10 percent with a confidence level of 95 percent of the total person trips in the survey area.

The Rio Grande Valley study area, shown in Figure 1, includes all of Hidalgo County and Cameron County. Figure 2 shows surveyed household locations in the Rio Grande Valley study area.

![Figure 1. Rio Grande Valley Study Area.](image-url)
Figure 2. Surveyed Household Locations within the Rio Grande Valley Study Area.
Study Area Household Population and Sample
The total household population and distribution by size and income for the study area is provided by the University of Texas San Antonio (UTSA) Texas Demographic Center (TDC). The TDC provided household estimates for the last decennial US Census year of 2010 and a household forecast for 2040\(^1\). The survey expansion year is 2018. Table 1 shows the 2018 estimate of total study-area households derived from a linear interpolation of the 2010 and 2040 estimates. The total number of interpolated households are further stratified by income, employment and size, based on the percentage of households received from the TDC. Therefore, the total number of households in the analysis (433,610) slightly deviates (0.0009%) from the interpolated figure (433,606) due to significant figures in the percentage total.

<table>
<thead>
<tr>
<th>County</th>
<th>Year 2010</th>
<th>2040 Forecast</th>
<th>2018 Estimate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hidalgo</td>
<td>216,471</td>
<td>495,456</td>
<td>290,867</td>
</tr>
<tr>
<td>Cameron</td>
<td>119,631</td>
<td>206,285</td>
<td>142,739</td>
</tr>
<tr>
<td>Total</td>
<td>336,102</td>
<td>701,741</td>
<td>433,606</td>
</tr>
</tbody>
</table>

Source: Texas Demographic Center and Texas A&M Transportation Institute

Table 2 shows the estimated number of households in the study area, the number of households surveyed, and the distribution of the surveyed households stratified by household size and household income range. The minimum number of households surveyed in the Rio Grande Valley study area in any household size/income range cell was 50 and the maximum number surveyed was 369.

Of the estimated 433,610 households in the Rio Grande Valley study area, 16.7 percent were households with one person and 25.3 percent were households with two persons.

\(^1\) University of Texas San Antonio, Texas Demographic Center (2018), Development of Demographic Control Totals for the Hidalgo County Metropolitan Planning Organization
\(^2\) University of Texas San Antonio, Texas Demographic Center (2018), Development of Forecast Year Demographic Control Totals for Cameron County, Texas and the Brownsville and Harlingen/San Benito Metropolitan Planning Organizations
Table 2. Estimated Number of Existing and Surveyed Households Stratified by Household Size and Income Range

<table>
<thead>
<tr>
<th>Income Range 2017/2018 Dollars</th>
<th>Household Size</th>
<th>Estimated Number of Households</th>
<th>Number of Households Surveyed</th>
<th>Percent of Households Surveyed</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>$0-$14,999</td>
<td>28,141</td>
<td>14,092</td>
<td>10,276</td>
<td>9,198</td>
</tr>
<tr>
<td>$15,000-$24,999</td>
<td>18,038</td>
<td>25,627</td>
<td>13,702</td>
<td>11,485</td>
</tr>
<tr>
<td>$25,000-$44,999</td>
<td>11,837</td>
<td>22,807</td>
<td>16,998</td>
<td>15,176</td>
</tr>
<tr>
<td>$45,000-$74,999</td>
<td>9,452</td>
<td>24,456</td>
<td>15,868</td>
<td>17,577</td>
</tr>
<tr>
<td>$75,000+</td>
<td>4,917</td>
<td>22,860</td>
<td>18,761</td>
<td>22,111</td>
</tr>
<tr>
<td>Total</td>
<td>72,385</td>
<td>109,842</td>
<td>75,605</td>
<td>75,547</td>
</tr>
</tbody>
</table>

Household Survey Results

This survey represents a sample of household demographic and travel characteristics for weekdays during the school year from November 2017 through December 2018. Data were collected from travel diaries, which were completed by all the occupants of the 3,288 surveyed households in the study area.

Key Points Regarding Household Survey Data

- The survey data had 16% of the employer types coded as ‘Other’. Where possible, these were manually recoded to the predefined employer type categories using the description provided by the respondents.
• Addresses in the trip record (record 4) were geocoded prior to the analysis as many were recorded unknown in the survey data (888s) despite having complete addresses.

• Remaining surveys in the trip record with incomplete addresses and unknown coordinates (888s) were analyzed as trips internal to the study area for this report but were not included in the trip matrices as the associated TAZs for these trips are unknown.

• Persons living in group quarters, such as nursing homes, correctional facilities, or dormitories were not surveyed.

• The survey data are for persons of all ages unless otherwise noted.

• The survey data do not include non-household based travel such as commercial vehicles, tourists, or persons staying in hotels.

• The survey data are for trips that began and ended within the planning area. Trips that began inside the planning area and ended outside the planning area, or vice versa, are generally captured in external surveys and are therefore not included in household survey reporting.

• The estimates of population and number of households are based on the expanded survey data and may differ from population and household estimates developed by other agencies.

Survey Data Expansion
The survey results are expanded using household and demographic data of the study area. Expanded results provide estimates of daily travel behavior produced by households and persons that reside in the study area. Because it is difficult to obtain a representative sample in a survey, the expansion process takes into consideration the demographics of the area, looking specifically at household income, number of people employed, household size, and age and gender of respondents. Responses from cohorts who are overrepresented are given less weight while those under represented are given more weight. This helps to account for the fact that certain cohorts tend to be more responsive and over represented in these types of surveys.
Findings of the Survey

For the Rio Grande Valley study area:

- There were an estimated of 433,606 households in the study area.
- About 95 percent of households had a vehicle available;
- About 96 percent of households had a licensed driver;
- In general, trip rates per household increased with household size, household income, and vehicle availability (trip rates associated with some relatively small households with a higher number of vehicles available were an exception to this trend);
- The average private vehicle occupancy was 1.5 persons per vehicle;
- Nearly 90 percent of all person trips were made in a personal-use vehicle;
- Among the surveyed households, 60 percent of the total persons drove a vehicle, 31 percent rode as a passenger in a vehicle, and 2.7 percent walked;
- Only about 2 percent of the total persons within the household population did not make an internal trip within the planning area;
- On average, each person made 3.7 internal person trips per day and each household made 11 internal person trips per day;
- The average non-auto trip length was 3.8 miles and the average non-auto person trip duration was 25.4 minutes;
- The average person trip length was 9.4 miles and the average person trip duration was 15.9 minutes;
- The average vehicle trip length was 5.8 miles and the average vehicle trip duration was 9.9 minutes;
- The peak hour for household travel was from 7:00 a.m. to 7:59 a.m., during which 18.3 percent of the trip starts occurred. The second highest hour for trip starts was from 3:00 p.m. to 3:59 p.m. when 12 percent of the daily trip starts occurred;

The internal trips (trips beginning and ending inside the study area) during the weekday school year accounted for an estimated 38,764,891 vehicle miles of travel (VMT). This
estimate was derived by adjusting for zero-trip reporting, excluding intrazonal trips and average vehicle trip length.

HOUSEHOLD CHARACTERISTICS
Characteristics of the household influence travel behavior. For example, household size, income, vehicles available, number of persons employed, and family life cycle affect the amount and time-of-day of trips. The following figures in this section represent the expanded survey data.

Household Size
Household size and household income range are the two variables, used to stratify the household trip rates calculated from the household travel surveys. These variables are essential for forecasting future travel.

Figure 3 shows the distribution of households by household size surveyed in the Rio Grande Valley study area in 2018. The weighted average household size in the study area was estimated to be 3.1 persons per household.

![Figure 3. Distribution of Rio Grande Valley Study Area Households by Household Size.](image-url)
A typical household makes a certain number of trips on most days to meet household needs such as purchasing food and other necessities, earning an income, attending school, visiting friends and family, receiving medical care and attending events. For this reason, the number of households is a better predictor of future travel than using the number of persons.

**Household Life Cycle**

Household life cycle influences the amount and time of travel. For example, households with children tend to make more trips than households without children. Households with working adults tend to make more trips than households with retired adults.

Figure 4 shows the distribution of these households by household size and three household life cycle groupings, which include adults with no children, adults with children, and adults retired. The grouping for ‘Adults Retired’ includes only households where all adults are retired. Similarly, the grouping for the other two categories may include households where one adult is retired while another adult is working.

![Figure 4. Distribution of Household Size by Life Cycle Groupings.](image)

**Household Income**

Household income and household size are the two primary variables used to estimate household trip rates. Figure 5 provides the distribution of the expanded households in the survey by the combined annual household income range.
As household income increases, the amount of household travel may increase. Additionally, as income increases, vehicle ownership tends to increase and additional financial resources are available to the household to support increased travel. For sampling purposes, these income ranges were selected to produce income distributions roughly equal to quintiles of households in the study area.

**Household Vehicle Availability and Licensed Drivers**

In general, as the number of vehicles available to the household increases, daily household travel increases. This household characteristic also affects forecasting and the demand for public transportation. Figure 6 shows the distribution of the 433,610 expanded households in the survey by the number of vehicles available. Only 4.5 percent of the households did not have a vehicle available. The average number of vehicles available per household was 2.
Figure 6. Distribution of Households by Number of Vehicles Available.

Figure 7 shows the distribution of the expanded households by the number of licensed drivers per household. Only 4.3 percent of the households did not have a licensed driver.

Figure 7. Distribution of Households by Number of Licensed Drivers.
Figure 8 shows the distribution of the expanded households by the number of licensed drivers and the number of vehicles available. For 57.9 percent of the households with both a licensed driver and a vehicle available, the number of licensed drivers and the number of vehicles available was equal. For 15.5 percent of the households, the number of licensed drivers was more than the number of vehicles available, and for 25.3 percent of the households, the number of licensed drivers was less than the number of vehicles available. Only 1.3 percent of the households had neither a licensed driver nor a vehicle available.

Figure 8. Comparison of Households by Licensed Drivers and Vehicle Availability.

Recall that the 433,610 expanded households had an average household size of 3.1 persons per household. Figure 9 shows the distribution of these expanded households by the number of persons employed. Overall, the average number of persons employed per household was 1.2.
Figure 9. Distribution of Households by Number of Persons Employed.

Figure 10 shows the distribution of all persons regardless of age by employment status. More than a quarter of the sample population (28.4 percent) are students, little less than a quarter of the sample population (23.1 percent) was employed full time workers. About one-tenth (9.7 percent) of the population was retired.

Figure 10. Distribution of Persons by Employment Status.
Figure 11 shows the distribution of the employed persons by the type of employer. The Office (non-government) is the largest employer-type in the study area as it employed 16.4 percent of the employed persons.

Figure 11. Distribution of Employed Persons by Employer Type.

The second largest employer-type in the study area is Education with 15.1 percent of employed persons. Retail/Shopping/Gas and Medical were the third and fourth largest employer-type with 12.5 and 11 percent of employment, respectively. Note that these percentages include some persons who work more than one job, meaning that the number of employed persons is less than the sum of all employees for all employer types.

**Ethnicity**

The expanded population total from the survey data analysis for the study area is 1,271,721 persons. The Texas Demographic Center (TDC) 2018 population for the study area counties is 1,305,851. The relatively small difference between the two populations is a result of sampling and weighting of the survey data using total households rather than population. Figure 12 shows the distribution of the 1,271,721 persons by ethnicity.

---

3 University of Texas San Antonio, Texas Demographic Center (2018), Estimates of the Total Populations of Counties and Places in Texas for July 1, 2018 and January 1, 2019
Of the total population, 76.9 percent were Hispanic/Latino and 15.7 percent were White/Caucasian. About 6.5% of the population either refused to answer, does not know or belongs to another ethnicity.

![Figure 12. Distribution of Persons by Ethnicity.](image)

**TRAVEL CHARACTERISTICS**

The previous section reported on a variety of household and person characteristics obtained from the household travel survey. In this section, these household and person characteristics are related to household travel characteristics. Household size, household income, household life cycle, household vehicle availability, household licensed drivers, and household employment all affect the amount of household travel.

**Household Trip Rates and Vehicle Occupancy**

Note that the value reported within this section only pertains to internal trip characteristics. Figure 13 shows the household trip rate as a function of household size.
As the household size increases, the household trip rates increase. For travel forecasting applications, households with five or more household members are grouped and an average trip rate is used to represent that group. Figure 14 shows the household trip rates as a function of the household income range. As expected, as household income increases, the household trip rates increase.
Figure 15 shows the household trip rates as a function of the number of vehicles available to household members for travel. As expected, households with no vehicles available generally made fewer trips per household than those households that have vehicles available; however, note that households with no vehicles still make a meaningful number of trips.

![Figure 15. Household Trip Rates by Number of Vehicles Available.](image)

Table 3 shows the person trips per household cross-classified by household size and household income for all internal trips. These trip rates are for trips made by all modes of transportation, including transit, bicycle, and walk trips.

<table>
<thead>
<tr>
<th>Household Income Range</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5+</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>$0-$14,999</td>
<td>3.44</td>
<td>7.45</td>
<td>9.45</td>
<td>15.02</td>
<td>16.11</td>
<td>8.6</td>
</tr>
<tr>
<td>$15,000-$24,999</td>
<td>3.94</td>
<td>7.7</td>
<td>10.57</td>
<td>15.77</td>
<td>18.04</td>
<td>10.46</td>
</tr>
<tr>
<td>$25,000-$44,999</td>
<td>4.35</td>
<td>7.65</td>
<td>11.23</td>
<td>13.8</td>
<td>18.39</td>
<td>11.56</td>
</tr>
<tr>
<td>$45,000-$74,999</td>
<td>4.31</td>
<td>7.18</td>
<td>10.66</td>
<td>13.88</td>
<td>18.59</td>
<td>11.54</td>
</tr>
<tr>
<td>$75,000+</td>
<td>4.31</td>
<td>7.85</td>
<td>11.47</td>
<td>13.88</td>
<td>18.35</td>
<td>12.84</td>
</tr>
<tr>
<td>Total</td>
<td>3.89</td>
<td>7.57</td>
<td>10.8</td>
<td>14.29</td>
<td>18.08</td>
<td>11.12</td>
</tr>
</tbody>
</table>

For travel forecasting applications, the cross-classified trip rates are disaggregated by trip purpose into home-based work (HBW) trips, home-based non-work (HBNW) trips, and non-
home-based NHB trips (see the terminology section for the definitions of these terms). As a part of the travel forecasting process, the person trips are divided among the modes during the mode split step. The average person internal trips per household was 11.12.

Table 4 shows the average vehicle occupancy for person trips made in private vehicles by household size and by household income range. The average vehicle occupancy was 1.5 persons per vehicle.

<table>
<thead>
<tr>
<th>Household Income Range</th>
<th>Household Size</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5+</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>$0-$19,999</td>
<td></td>
<td>1.28</td>
<td>1.35</td>
<td>1.62</td>
<td>1.82</td>
<td>1.99</td>
<td>1.64</td>
</tr>
<tr>
<td>$20,000-$39,999</td>
<td></td>
<td>1.19</td>
<td>1.47</td>
<td>1.38</td>
<td>1.79</td>
<td>1.84</td>
<td>1.59</td>
</tr>
<tr>
<td>$40,000-$59,999</td>
<td></td>
<td>1.14</td>
<td>1.29</td>
<td>1.38</td>
<td>1.47</td>
<td>1.76</td>
<td>1.49</td>
</tr>
<tr>
<td>$60,000-$99,999</td>
<td></td>
<td>1.13</td>
<td>1.26</td>
<td>1.31</td>
<td>1.51</td>
<td>1.76</td>
<td>1.48</td>
</tr>
<tr>
<td>$100,000+</td>
<td></td>
<td>1.12</td>
<td>1.19</td>
<td>1.28</td>
<td>1.54</td>
<td>1.64</td>
<td>1.45</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>1.2</td>
<td>1.3</td>
<td>1.36</td>
<td>1.59</td>
<td>1.76</td>
<td>1.51</td>
</tr>
</tbody>
</table>

Travel by Age Cohort
Table 5 shows the number of persons by age cohort that did not make any internal trips on their assigned survey day. The data showed that older persons are generally less likely to travel than younger persons. However, the older population still contributes significantly to household travel.
Table 5. Number of Persons Making Internal Trips by Age Cohort.

<table>
<thead>
<tr>
<th>Age Cohort</th>
<th>Expanded Persons</th>
<th>Percent of Total Expanded Persons</th>
<th>Number of Persons Making Internal Trips</th>
<th>Number of Persons Making Zero Internal Trips</th>
<th>Percent of Persons Making Zero Internal Trips</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-15</td>
<td>352,842</td>
<td>27.7</td>
<td>348,429</td>
<td>4,413</td>
<td>1.27</td>
</tr>
<tr>
<td>16-19</td>
<td>84,615</td>
<td>6.7</td>
<td>83,472</td>
<td>1,143</td>
<td>1.37</td>
</tr>
<tr>
<td>20-24</td>
<td>101,831</td>
<td>8.0</td>
<td>100,717</td>
<td>1,114</td>
<td>1.11</td>
</tr>
<tr>
<td>25-29</td>
<td>87,768</td>
<td>6.9</td>
<td>86,100</td>
<td>1,668</td>
<td>1.94</td>
</tr>
<tr>
<td>30-34</td>
<td>78,238</td>
<td>6.2</td>
<td>77,188</td>
<td>1,050</td>
<td>1.36</td>
</tr>
<tr>
<td>35-39</td>
<td>80,637</td>
<td>6.3</td>
<td>80,115</td>
<td>522</td>
<td>0.65</td>
</tr>
<tr>
<td>40-44</td>
<td>80,942</td>
<td>6.4</td>
<td>79,470</td>
<td>1,472</td>
<td>1.85</td>
</tr>
<tr>
<td>45-49</td>
<td>75,316</td>
<td>5.9</td>
<td>73,951</td>
<td>1,365</td>
<td>1.85</td>
</tr>
<tr>
<td>50-54</td>
<td>66,079</td>
<td>5.2</td>
<td>64,595</td>
<td>1,484</td>
<td>2.30</td>
</tr>
<tr>
<td>55-59</td>
<td>60,785</td>
<td>4.8</td>
<td>59,302</td>
<td>1,483</td>
<td>2.50</td>
</tr>
<tr>
<td>60-64</td>
<td>54,587</td>
<td>4.3</td>
<td>53,038</td>
<td>1,549</td>
<td>2.92</td>
</tr>
<tr>
<td>65-69</td>
<td>48,340</td>
<td>3.8</td>
<td>46,173</td>
<td>2,167</td>
<td>4.69</td>
</tr>
<tr>
<td>70-74</td>
<td>37,681</td>
<td>3.0</td>
<td>36,020</td>
<td>1,661</td>
<td>4.61</td>
</tr>
<tr>
<td>75-79</td>
<td>26,777</td>
<td>2.1</td>
<td>25,092</td>
<td>1,685</td>
<td>6.72</td>
</tr>
<tr>
<td>80+</td>
<td>35,283</td>
<td>2.8</td>
<td>32,366</td>
<td>2,917</td>
<td>9.01</td>
</tr>
<tr>
<td>All Age Cohorts</td>
<td>1,271,721</td>
<td>100.0</td>
<td>1,246,028</td>
<td>25,693</td>
<td>2.06</td>
</tr>
</tbody>
</table>

Note: Expanded persons utilizes household and population age/gender weighting criteria to develop a representation of the study area population.

**MODE OF TRAVEL**

The modes of travel included automobile-driver, automobile-passenger, school bus, walk, taxi and commercial vehicle, public transportation, bicycle, and a handful of “other modes”. Figure 16 provides the distribution of person trips by mode. Automobile-Driver trips made 60 percent of the total person trips and Automobile-Passengers trips made 31.7 percent of the total person trips. Walking trips and school bus trips attributed to 3.5 percent and 2.8 percent of the total person trips, respectively.
The amount of travel is measured by the number of person trips, the number of vehicle trips, the trip distance in miles, the trip duration or travel time in minutes, and the VMT.

**Trip Distance**

Figure 17 shows the distribution of person trips by the length of the trip in miles.
The distribution is for internal person trips. The calculation of average trip length in miles does not include intrazonal trips. The average person trip length was 9.4 miles.

Figure 18 provides the distribution of vehicle trips by the length of the trip in miles. For travel demand modeling purposes, data are needed for the distribution of vehicle trips in miles and the average vehicle trip length in miles for each internal trip purpose. As with the previously described person trip calculation, the calculation of average vehicle trip length also excludes intrazonal trips. The average vehicle trip length was 5.8 miles.

![Figure 18. Distribution of Vehicle Trips by Trip Distance in Miles.](image)

**Trip Duration**

Figure 19 shows the distribution of person trips by the trip duration in minutes. The distribution is for internal person trips. As with the previously described person trip distance, the calculation of average person and vehicle trip duration in minutes also excludes intrazonal trips. The average person trip duration was 15.8 minutes.
Figure 19. Distribution of Person Trips by Trip Duration in Minutes.

Figure 20 presents the distribution of vehicle trips by the duration of the trip in minutes. The average vehicle trip duration was 9.7 minutes.

Figure 20. Distribution of Vehicle Trips by Trip Duration in Minutes.
Vehicle Miles of Travel

VMT is calculated as the product of the average internal vehicle trip length in miles and the number of internal vehicle trips. For household trips internal to the study area, the estimated VMT was 38,764,891 miles per school-year weekday. This is not the total VMT for the study area, as the VMT associated with external-local, external-through, commercial vehicle, visitor travel, and intrazonal trips are not included in this estimate.

Time of Travel

The time of travel is a function of the activity to be accomplished. The start times for trips to work and to school are dictated by the time that work and school begin. For other activities, such as trips to shop or for recreation, the trip start times are flexible. As traffic during peak periods becomes more congested, some drivers choose to make trips earlier or later to avoid the most congested travel times. Figure 21 shows the distribution of trip start times for a 24-hour weekday during the school year. The morning peak period of 7:00 a.m. to 7:59 a.m. has the highest percentage (18.3 percent) of daily trip starts. During this morning peak period, trips from home to work and form home to school are the largest contributors to this peak. The second highest percentage of daily trip starts (12 percent) occurs during the afternoon between the hours of 3:00 p.m. and 3:59 p.m. During this hour, trips from school to home are typical.

Figure 21. Distribution of Person Trip Start Times by Hour of the Day.
TRAVEL PURPOSE
As a part of their travel diary, each household member was asked to identify what they did at each trip destination from a list of choices. This information about the trip destination was used to categorize the trips by trip purpose. As previously mentioned, three internal trip purposes are typically used in travel demand modeling — HBW, HBNW, and NHB trips. Figure 22 shows the distribution of person trips by the trip destination purposes used in the survey. As would be expected, the most frequent trip destination was the return home trip.

![Figure 22. Distribution of Person Trips by Trip Destination Purpose.](image)

Type of Place at Trip Destination
Closely related to the travel purpose and what the traveler did at the destination end of the trip is information on the type of place or business that was at the destination end of the trip. In travel demand modeling, attractions are typically grouped into basic, retail, service, and education categories. Table 6 shows the distribution of internal person trips by the types of places identified in the survey for the destination end of the trip.
Table 6. Number of Person Trips by Trip Destination.

<table>
<thead>
<tr>
<th>Type of Place</th>
<th>Person Trips</th>
<th>Percent of Person Trips</th>
</tr>
</thead>
<tbody>
<tr>
<td>Residential</td>
<td>1,747,550</td>
<td>42.47</td>
</tr>
<tr>
<td>Residential Type Workplace</td>
<td>21,061</td>
<td>0.51</td>
</tr>
<tr>
<td>Construction Site</td>
<td>7,232</td>
<td>0.18</td>
</tr>
<tr>
<td>Transportation stop (Bus, Train)</td>
<td>22,200</td>
<td>0.54</td>
</tr>
<tr>
<td>Automotive Dealer/Repair</td>
<td>15,052</td>
<td>0.37</td>
</tr>
<tr>
<td>Bank / Financial Institution</td>
<td>47,017</td>
<td>1.14</td>
</tr>
<tr>
<td>Barber/Beauty/Nail Salon</td>
<td>12,899</td>
<td>0.31</td>
</tr>
<tr>
<td>Bookstore/Newsstand</td>
<td>2,704</td>
<td>0.07</td>
</tr>
<tr>
<td>Convenience / Drug Store</td>
<td>73,057</td>
<td>1.78</td>
</tr>
<tr>
<td>Government/City/County/State/Federal Offices</td>
<td>80,929</td>
<td>1.97</td>
</tr>
<tr>
<td>Offices (Non-Government)</td>
<td>108,543</td>
<td>2.64</td>
</tr>
<tr>
<td>Grocery</td>
<td>189,978</td>
<td>4.62</td>
</tr>
<tr>
<td>Health Club</td>
<td>37,905</td>
<td>0.92</td>
</tr>
<tr>
<td>Medical Facility/Hospital</td>
<td>146,684</td>
<td>3.56</td>
</tr>
<tr>
<td>Movie Theater/Cinema</td>
<td>5,390</td>
<td>0.13</td>
</tr>
<tr>
<td>Restaurant/Fast Food, Bar&amp;Grill</td>
<td>234,545</td>
<td>5.7</td>
</tr>
<tr>
<td>Educational - 12th Grade or lower</td>
<td>661,927</td>
<td>16.09</td>
</tr>
<tr>
<td>Educational - college, trade, etc</td>
<td>101,879</td>
<td>2.48</td>
</tr>
<tr>
<td>Shopping Mall/ Department Store</td>
<td>129,181</td>
<td>3.14</td>
</tr>
<tr>
<td>Convenience Store/ Gas Station</td>
<td>58,429</td>
<td>1.42</td>
</tr>
<tr>
<td>Airport</td>
<td>2,853</td>
<td>0.07</td>
</tr>
<tr>
<td>Other</td>
<td>338,957</td>
<td>8.24</td>
</tr>
<tr>
<td>Don't Know</td>
<td>68,833</td>
<td>1.67</td>
</tr>
<tr>
<td>Total</td>
<td>4,114,805</td>
<td>100.00</td>
</tr>
</tbody>
</table>

WHERE PEOPLE TRAVELED

Figure 23 shows the Rio Grande Valley study area divided into thirteen sectors to generally illustrate the geographic distribution of internal person trip movements within the region. Figure 24 through Figure 27 illustrate the number of person trip interchanges between each sector and all other sectors. The amount of travel between sectors is reflected by the color of the line connecting them. The darker the line, the greater the amount of travel between the sectors. Figure 27, the final figure in this sequence, shows the percent of person trips that remained within each sector.
Figure 23. Sectors to Illustrate Trip Movements within the Rio Grande Valley Study Area.
Figure 24. Person Trip Interchanges for Sectors 1 through 5
Figure 25. Person Trip Interchanges for Sectors 6 through 10.
Figure 26. Person Trip Interchanges for Sectors 11 through 13.
Figure 27. Percentage of Person Trips that Remain within Each Sector.
TERMINOLOGY

Within the context of the household travel survey, a number of terms are used. These terms are defined in this section.

**Automobile Driver Trip** – The movement of a vehicle from one location to another location. These trips are recorded for the person driving the vehicle. These are also referred to as vehicle trips.

**Home-Based Non-Work (HBNW) Trip** – A trip with one end of the trip at home and the other end of the trip is at a location other than the work location. An HBNW trip is non-directional in terms of the trip activity/trip purpose.

**Home-Based Work (HBW) Trip** – A trip that has one end of the trip at home and the other end of the trip at work. An HBW trip is non-directional in terms of the trip activity/trip purpose (i.e., a trip from home to work or from work to home is defined as an HBW trip).

**Mode of Travel** – The physical means used by the household member to make a trip. The modes are walk, vehicle driver, vehicle passenger, carpool driver, carpool passenger, public transportation, school bus, taxi/paid limousine, bicycle, motorcycle/moped, and other.

**Non-Home-Based (NHB) Trip** – A trip with neither end of the trip at home.

**Person Trip** – The movement of an individual from one location to another location. In the household survey, trips were recorded for all persons in a surveyed household.

**Special Generators** – Those establishments that are considered unique trip attractors. These may include major shopping centers, hospitals, colleges/universities, recreational facilities, military bases, airports, and other land use developments that have unique trip generation characteristics and therefore require modeling outside the typical travel demand modeling framework.

**Trip Activity** – The activity at the location the trip began and/or the location the trip ended. There are 22 activities used in the household survey. The activities were recorded in the survey and post processed to identify the trip purpose associated with each trip activity.

**Trip Attractions** – The number of trips attracted to a particular category of land use. Trip attractions are calculated by trip purpose and mode of travel for different land use categories.
**Trip Productions** – The number of trips produced by members of a household. Trip productions are calculated by trip purpose and mode of travel. Production rates are the number of trip productions divided by the number of households that produced those trips.

**Trip Purpose** – Stated in terms of the purpose at the location the trip began and the purpose at the location the trip ended. For example, a trip that began at home and ended at work would be referred to as a home-based work (HBW) trip. There are three primary trip purposes used in the household survey. These include HBW, HBNW, and NHB.

**Vehicle Availability** – The number of vehicles available to members of a household for making trips.

**Vehicle Occupancy** – The number of occupants in a vehicle during a vehicle trip including the driver of the vehicle.
APPENDIX A:  
Household Survey Instruments: Final Recruitment Materials
Dear <MAILCITY> Resident,

Did you know that Rio Grande Valley is one of the fastest growing regions in America? As it continues to grow, understanding your community’s transportation needs is becoming very important! This fall, Abt Associates, a research company, is partnering with the Texas Department of Transportation (TxDOT) to conduct a study in the Valley to plan ahead as the region grows, and we need your help!

We are excited to invite you to participate in the RGV Travel Study to share how you travel in and around the Rio Grande Valley. Participation includes a brief survey to see if your household is eligible, followed by providing information about one day of travel. As a token of our appreciation for participating in this study, each member of your household may be eligible for a Visa Gift Card up to $20 from Abt Associates.

The information you provide will help TxDOT provide benefits to you and members of your community through:

- Improved roads and reduced traffic congestion
- Increased public transportation options
- Safe sidewalks and bicycle facilities

GET STARTED!
Visit www.RGVTravelStudy.org
Click on the “Household Survey” button
Log in using this user ID: <USERID>
Complete your survey by <TBD>

The information you provide is vital! Your household is one of a small number of households within the area that have been randomly selected to participate, so your response will have a major impact.

Participation in this study is voluntary. All information provided will remain confidential and individual participants will not be identifiable. If you have any questions or need help completing the survey, please contact Abt Associates, at 1-866-300-9759 or visit our website www.RGVTravelStudy.org.

Thank you in advance for helping to improve transportation in the Rio Grande Valley.

Sincerely,

Dave Roe
Travel Study Director
Abt Associates, Inc.
Estimado residente de <MAILCITY>,

¿Sabía que el Valle del Río Grande es una de las regiones de más rápido crecimiento en los Estados Unidos? A medida que continúa creciendo, comprender las necesidades de transporte de su comunidad se vuelve muy importante. Este otoño, Abt Associates, una compañía de investigación, se está asociando con el Departamento de Transporte de Texas (Texas Department of Transportation, TxDOT) para llevar a cabo un estudio en El Valle para planificar con anticipación a medida que la región crece, ¡y necesitamos su ayuda!

Nos complace invitarte a participar en el Estudio de Viajes del Valle del Río Grande para compartir cómo viajas dentro y alrededor del Valle del Río Grande. La participación incluye una breve encuesta para ver si su hogar es elegible, seguido por proporcionar información sobre un día de viaje. Como muestra de nuestro aprecio por participar en este estudio, cada miembro de su hogar puede ser elegible para obtener una tarjeta de regalo Visa de hasta $20 de Abt Associates.

La información que brinde ayudará a TxDOT a brindar beneficios a usted y a los miembros de su comunidad a través de:
- Mejorar las carreteras y reducir la congestión del tránsito
- Aumentar las opciones de transporte público
- Ofrecer instalaciones para bicicletas y aceras seguras

¡Comenzar!

Visite www.RGVTravelStudy.org/es
Haga clic en el botón “Completar encuesta del hogar”
Inicie sesión con esta identificación de usuario: <USERID>
Complete la encuesta a más tardar el <TBD>

¡La información que proporciona es de vital importancia! Su hogar es uno de los pocos del área que han sido elegidos al azar para participar, por eso su respuesta tendrá un gran impacto.

La participación en este estudio es voluntaria. Toda la información proporcionada se mantendrá confidencial y no se podrá identificar a los individuos participantes. Si tiene alguna pregunta o necesita ayuda para completar la encuesta, por favor contacte a Abt Associates al 1-866-300-9759 o visite el sitio web del estudio en www.RGVTravelStudy.org/es.

Muchas gracias por ayudar a mejorar el transporte en el área del Valle del Río Grande.

Atentamente,

Dave Roe
Director del estudio
Abt Associates, Inc.
Dear <City> resident,

Within the last few weeks, our research team sent you an invite to participate in the Rio Grande Valley Travel Study. Now is the time to complete the survey if you have not already done so. If you have already completed the survey, thank you. If you have not, please follow these 4 steps:

1. Visit our website: www.RGVTravelStudy.org
2. Click on the “Household Survey” button on the left hand side of the page
3. When prompted, enter the following User ID: <PIN>
4. Complete your survey by <<date>>

As a token of our appreciation for participating in this study, you may be eligible for up to $30.

As your privacy is important to us, we will only use your information to understand your transportation needs. Your name will never be used in any reports about this study or shared with any third party.

If you need help completing the survey or have any questions about this study, please contact our study partner, Abt Associates, at RGVTravelStudy@abtassoc.com or call 1-866-300-9759.
Estimado <City> residente:

En las últimas semanas, nuestro equipo de estudio le envió una invitación para participar en el Estudio sobre viajes en el área del Valle de Río Grande. Si ya completó la encuesta, muchas gracias. Si no lo ha hecho, siga estos 4 pasos:

1. Visite nuestro sitio web: www.RGVTravelStudy.org
2. Haga clic en el cuadro “Household Survey” en el lado izquierdo de la página.
3. Cuando se le indique, ingrese el siguiente ID de usuario: <PIN>
4. Complete la encuesta a más tardar el <<date>>

A modo de agradecimiento por su participación en este estudio, puede reunir los requisitos para recibir hasta $30.

Como su privacidad es importante para nosotros, solo utilizaremos su información para comprender sus necesidades de transporte. Nunca se utilizará su nombre en ningún informe sobre este estudio ni se compartirá con ningún tercero.

Si necesita ayuda para completar la encuesta o tiene alguna pregunta acerca de este estudio, por favor contacte a nuestro compañero de estudio, Abt Associates, a RGVTravelStudy@abtassoc.com o llámenos al 1-866-300-9759.

Christeen Pusch – TxDOT Travel Survey Program Manager
(512) 486-5120 | Christeen.Pusch@txdot.gov
APPENDIX B:
Household Survey Instruments: Final Travel Journal Materials
Dear <mailname_1> < mailname_2>,

Thank you for completing the first part of the RGV Travel Study, sponsored by the Texas Department of Transportation (TxDOT). We are now asking your household to complete the final part of this important study.

Once all household members have reported their travel, your household will receive a $10 Visa gift card for each household member from Abt Associates, the research organization managing the study in partnership with TxDOT. Please note that all travel journals must be completed within five (5) days of the travel date below.

The information you provided indicates that the person(s) listed below live(s) in this household. For the second part of the survey, we ask that these household members answer a few questions about how they traveled on <ASSN>.

<fname_1> <fname_2> <fname_3> <fname_4>
<fname_5> <fname_6> <fname_7> <fname_8>
<fname_9> <fname_10>

Completing the final part of this study is as easy as 1, 2, 3:

1. Within five (5) days of your travel day, visit our website: www.RGVTravelStudy.org and click on “Travel Journal”.
2. Next, enter your household User ID: <userid>
3. Have each household member answer a few questions about the trips they made that day. We’ve included a memory jogger for each household member to keep track of their trips, which makes completing the travel journal even easier.

When possible, we ask that household members complete their own travel journal. For children under the age of 16, we ask that an adult respond on their behalf. Your participation in this study will help transportation engineers, planners, and policymakers understand how and where to improve roads, reduce congestion, and enhance walking, biking and public transportation options.

Participation is voluntary and the information you provide will remain confidential, not allowing for the identification of any individual participant. If you have questions about the RGV Travel Study, please contact Abt Associates at 1-866-300-9759 or email us at RGVTravelStudy@abtassoc.com. You may also learn more about this important study by visiting the study website: www.RGVTravelStudy.org.

Thank you in advance for your continued participation in the RGV Travel Study.

Sincerely,
The RGV Travel Study Team
Estimado/a <mailto:mailname_1> < mailname_2>: 

Muchas gracias por completar la primera parte del Estudio de viajes del Valle del Río Grande, patrocinado por el Departamento de Transporte de Texas (TxDOT). Ahora les pedimos a los miembros de su hogar que completen la parte final de este estudio importante.

Una vez que todos los miembros del hogar hayan informado sobre sus viajes, recibirá en su hogar una tarjeta de regalo Visa de $10 por cada miembro del hogar que será enviado por Abt Associates, la organización de investigación que administra el estudio en asociación con TxDOT. Tenga en cuenta que todos los diarios de viaje deben completarse dentro de los cinco (5) días siguientes a la fecha de viaje.

La información que proporcionó indica que la(s) persona(s) enumerada(s) a continuación vive(n) en este hogar. Para la segunda parte de la encuesta, le pedimos que estos miembros del hogar respondan algunas preguntas sobre cómo viajaron en <assn>.

Completar la parte final de este estudio es muy sencillo:
1. Dentro de los cinco (5) días de la fecha de viaje, visite nuestro sitio web www.RGVTravelStudy.org/es y haga clic en “Completar diario de viajes”.
2. A continuación, ingrese el número de identificación de usuario de su hogar: <userid>
3. Pida que cada miembro del hogar responda algunas preguntas sobre los viajes que hizo ese día. Hemos incluido una ayuda de memoria para cada miembro del hogar para apuntar un seguimiento de sus viajes, lo que hará que completar el diario de viaje sea aún más fácil.

Cuando sea posible, les pedimos a los miembros del hogar que completen sus propios diarios de viaje. Para niños menores de 16 años, pedimos que un adulto responda en su nombre.

Su participación en este estudio ayudará a los ingenieros de transporte, planificadores y legisladores a comprender cómo y dónde mejorar las carreteras, reducir la congestión del tráfico y mejorar las opciones para caminar, andar en bicicleta y movilizarse con el transporte público.

Su participación es voluntaria y la información que proporcione se mantendrá confidencial, lo cual no permitirá la identificación de ningún individuo participante. Si tiene preguntas sobre el Estudio de viajes en el área del Valle del Río Grande, llame a Abt Associates al 1-866-300-9759 o envíenos un correo electrónico a RGVTravelStudy@abtassoc.com. También puede visitar www.RGVTravelStudy.org/es para obtener más información sobre este importante estudio.

De antemano, muchas gracias por seguir participando en el Estudio de viajes en el área del Valle del Río Grande.

Atentamente,
Equipo del Estudio de viajes en el área del Valle del Río Grande
Dear <mailname_1> < mailname_2>,

Thank you for completing the first part of the RGV Travel Study, sponsored by the Texas Department of Transportation (TxDOT). We are now asking your household to complete the final part of this important study.

Once all household members have reported their travel, your household will receive a $10 Visa gift card for each household member from Abt Associates, the research organization managing the study in partnership with TxDOT. Please note that all travel journals must be completed within five (5) days of the travel date below.

The information you provided indicates that the person(s) listed below live(s) in this household. In a few days, an interviewer for the RGV Travel Study will call you to ask about the trips these household members made on <ASSN>.

<fname_1>  <fname_2>  <fname_3>  <fname_4>
<fname_5>  <fname_6>  <fname_7>  <fname_8>
<fname_9>  <fname_10>

Included you will find a memory jogger for each household member. We recommend that you use the memory jogger(s) to keep track of the trips you make on your travel day.

Your participation in this study will help transportation engineers, planners, and policymakers understand how and where to improve roads, reduce congestion, and enhance walking, biking and public transportation options.

Participation is voluntary and the information you provide will remain confidential, not allowing for the identification of any individual participant. If you have questions about the RGV Travel Study, please contact Abt Associates at 1-866-300-9759 or email us at RGVTravelStudy@abtassoc.com. You may also learn more about this important study by visiting the study website: www.RGVTravelStudy.org.

Thank you in advance for your continued participation in the RGV Travel Study.

Sincerely,

The RGV Travel Study Team
Estimado/a <mailname_1> < mailname_2>:

Muchas gracias por completar la primera parte del Estudio de viajes del Valle del Río Grande, patrocinado por el Departamento de Transporte de Texas (TxDOT). Ahora les pedimos a los miembros de su hogar que completen la parte final de este estudio importante.

Una vez que todos los miembros del hogar hayan informado sobre sus viajes, recibirá en su hogar una tarjeta de regalo Visa de $10 por cada miembro del hogar que será enviado por Abt Associates, la organización de investigación que administra el estudio en asociación con TxDOT. Tenga en cuenta que todos los diarios de viaje deben completarse dentro de los cinco (5) días siguientes a la fecha de viaje.

La información que proporcionó indica que la(s) persona(s) enumerada(s) a continuación vive(n) en este hogar. Para la segunda parte de la encuesta, le pedimos que estos miembros del hogar respondan algunas preguntas sobre cómo viajaron en <assn>.

Hemos incluido una ayuda de memoria para cada miembro del hogar para apuntar un seguimiento de sus viajes, lo que hará que completar el diario de viaje sea aún más fácil. Su participación en este estudio ayudará a los ingenieros de transporte, planificadores y legisladores a comprender cómo y dónde mejorar las carreteras, reducir la congestión del tráfico y mejorar las opciones para caminar, andar en bicicleta y movilizarse con el transporte público.

Su participación es voluntaria y la información que proporcione se mantendrá confidencial, lo cual no permitirá la identificación de ningún individuo participante. Si tiene preguntas sobre el Estudio de viajes en el área del Valle del Río Grande, llame a Abt Associates al 1-866-300-9759 o envíenos un correo electrónico a RGVTravelStudy@abtassoc.com. También puede visitar www.RGVTravelStudy.org/es para obtener más información sobre este importante estudio.

De antemano, muchas gracias por seguir participando en el Estudio de viajes en el área del Valle del Río Grande.

Atentamente,

Equipo del Estudio de viajes en el área del Valle del Río Grande
Dear <mailname_1> < mailname_2>,

Thank you for completing the first part of the RGV Travel Study, sponsored by the Texas Department of Transportation (TxDOT). We are now asking your household to complete the final part of this important study.

Once all household members have reported their travel, your household will receive a $10 Visa gift card for each household member from Abt Associates, the research organization managing the study in partnership with TxDOT. Please note that all travel journals must be completed within five (5) days of the travel date below.

The information you provided indicates that the person(s) listed below live(s) in this household. For the second part of the survey, we ask that these household members answer a few questions about how they traveled on <ASSN>.

<fname_1>  <fname_2>  <fname_3>  <fname_4>
<fname_5>  <fname_6>  <fname_7>  <fname_8>
<fname_9>  <fname_10>

Completing the final part of this study is as easy as having each household member answer some questions about school and employment status in the booklet marked PART A and provide information about the trips they made in the booklet marked PART B. Once everyone has completed parts A and B, please return them in the included pre-paid envelope at no cost to you. We’ve included a memory jogger for each household member to keep track of their trips, which makes completing the travel journal even easier.

When possible, we ask that household members complete their own travel journal. For children under the age of 16, we ask that an adult respond on their behalf. Your participation in this study will help transportation engineers, planners, and policymakers understand how and where to improve roads, reduce congestion, and enhance walking, biking and public transportation options.

Participation is voluntary and the information you provide will remain confidential, not allowing for the identification of any individual participant. If you have questions about the RGV Travel Study, please contact Abt Associates at 1-866-300-9759 or email us at RGVTravelStudy@abtassoc.com. You may also learn more about this important study by visiting the study website: www.RGVTravelStudy.org.

Thank you in advance for your continued participation in the RGV Travel Study.

Sincerely,

The RGV Travel Study Team
Estimado/a <mailname_1> < mailname_2>:

Muchas gracias por completar la primera parte del Estudio de viajes del Valle del Río Grande, patrocinado por el Departamento de Transporte de Texas (TxDOT). Ahora les pedimos a los miembros de su hogar que completen la parte final de este estudio importante.

Una vez que todos los miembros del hogar hayan informado sobre sus viajes, recibirá en su hogar una tarjeta de regalo Visa de $10 por cada miembro del hogar que será enviado por Abt Associates, la organización de investigación que administra el estudio en asociación con TxDOT. Tenga en cuenta que todos los diarios de viaje deben completarse dentro de los cinco (5) días siguientes a la fecha de viaje.

La información que proporcionó indica que la(s) persona(s) enumerada(s) a continuación vive(n) en este hogar. Para la segunda parte de la encuesta, le pedimos que estos miembros del hogar respondan algunas preguntas sobre cómo viajaron en <assn>.

Completar la parte final de este estudio es tan fácil como hacer que cada miembro del hogar responda algunas preguntas sobre la escuela y el estado laboral en el folleto marcado PARTE A y brinde información sobre los viajes que hicieron en el folleto marcado PARTE B. Una vez que todos hayan completado ambas partes, A y B, devuélvalos en el sobre pre-pagado incluido sin costo para usted. Hemos incluido una ayuda de memoria para cada miembro de la familia para apuntar un seguimiento de sus viajes, lo que hará que completar el diario de viaje sea aún más fácil.

Cuando sea posible, les pedimos a los miembros del hogar que completen sus propios diarios de viaje. Para niños menores de 16 años, pedimos que un adulto responda en su nombre.

Su participación en este estudio ayudará a los ingenieros de transporte, planificadores y legisladores a comprender cómo y dónde mejorar las carreteras, reducir la congestión del tráfico y mejorar las opciones para caminar, andar en bicicleta y movilizarse con el transporte público.

Su participación es voluntaria y la información que proporcione se mantendrá confidencial, lo cual no permitirá la identificación de ningún individuo participante. Si tiene preguntas sobre el Estudio de viajes en el área del Valle del Río Grande, llame a Abt Associates al 1-866-300-9759 o envíenos un correo electrónico a RGVTravelStudy@abtassoc.com. También puede visitar www.RGVTravelStudy.org/es para obtener más información sobre este importante estudio.

De antemano, muchas gracias por seguir participando en el Estudio de viajes en el área del Valle del Río Grande.

Atentamente,
Equipo del Estudio de viajes en el área del Valle del Río Grande
Dear <mailto_1> <mailto_2>,

Thank you for completing the first part of the RGV Travel Study, sponsored by the Texas Department of Transportation (TxDOT). We are now asking your household to complete the final part of this important study.

Our records show that one or more of your household members did not complete the second survey – the travel journal – and we would like to give them another chance to do so. We survey only a small percentage of the households in the Rio Grande Valley, so your household’s response will make a big impact on improving transportation in your area.

Included in this letter is $5 as a token of our appreciation. You will receive a check for an additional $<inc_amnt_adj> once all of the household members have completed their travel journals.

For the second part of the survey, we ask that the household members listed below answer a few questions about how they traveled on <assn>. Please note that all travel journals must be completed within seven (7) days of the assigned travel date.

1. Within five (5) days of your travel day, visit our website: www.RGVTravelStudy.org and click on “Travel Journal”.
2. Next, enter your household User ID: <userid>
3. Have each household member answer a few questions about the trips they made that day. We’ve included a memory jogger for each household member to keep track of their trips, which makes completing the travel journal even easier.

When possible, we ask that household members complete their own travel journal. For children under the age of 16, we ask that an adult respond on their behalf. Your participation in this study will help transportation engineers, planners, and policymakers understand how and where to improve roads, reduce congestion, and enhance walking, biking and public transportation options.

Participation is voluntary and the information you provide will remain confidential, not allowing for the identification of any individual participant. If you have questions about the RGV Travel Study, please contact Abt Associates at 1-866-300-9759 or email us at RGVTravelStudy@abtassoc.com. You may also learn more about this important study by visiting the study website: www.RGVTravelStudy.org.

Thank you in advance for your continued participation in the RGV Travel Study.

Sincerely,
The RGV Travel Study Team
Estimado/a <mailname_1> < mailname_2>:

Muchas gracias por completar la primera parte del Estudio de viajes del Valle del Río Grande, patrocinado por el Departamento de Transporte de Texas (TxDOT). Ahora les pedimos a los miembros de su hogar que completen la parte final de este estudio importante.

Nuestros registros muestran que uno o más de los miembros de su hogar no completaron la segunda encuesta – el diario de viajes – y quisiéramos darles otra oportunidad de hacerlo. Encuestamos solo a un pequeño porcentaje de los hogares en el Valle del Río Grande, por lo que la respuesta de su hogar tendrá un gran impacto en la mejora del transporte en su área.

Incluido en esta carta encontrará $5 como muestra de nuestro aprecio. Recibirá un cheque por $<inc_amnt_adj> adicionales una vez que todos los miembros del hogar hayan completado sus diarios.

Para la segunda parte de la encuesta, le pedimos que los integrantes del hogar que figuran a continuación respondan algunas preguntas sobre cómo viajaron el <assn>. Por favor, tenga en cuenta que todos los diarios de viaje deben completarse dentro de siete (7) días de la fecha de viaje asignada.

<fname_1> <fname_2> <fname_3> <fname_4>
<fname_5> <fname_6> <fname_7> <fname_8>
<fname_9> <fname_10>

Completar la parte final de este estudio es muy sencillo:
1. Dentro de los cinco (5) días de la fecha de viaje, visite nuestro sitio web www.RGVTravelStudy.org/es y haga clic en “Completar diario de viajes”.
2. A continuación, ingrese el número de identificación de usuario de su hogar: <userid>
3. Pida que cada miembro del hogar responda algunas preguntas sobre los viajes que hizo ese día. Hemos incluido una ayuda de memoria para cada miembro del hogar para apuntar un seguimiento de sus viajes, lo que hará que completar el diario de viaje sea aún más fácil.

Cuando sea posible, les pedimos a los miembros del hogar que completen sus propios diarios de viaje. Para niños menores de 16 años, pedimos que un adulto responda en su nombre.

Su participación en este estudio ayudará a los ingenieros de transporte, planificadores y legisladores a comprender cómo y dónde mejorar las carreteras, reducir la congestión del tráfico y mejorar las opciones para caminar, andar en bicicleta y movilizarse con el transporte público.

Su participación es voluntaria y la información que proporcione se mantendrá confidencial, lo cual no permitirá la identificación de ningún individuo participante. Si tiene preguntas sobre el Estudio de viajes en el área del Valle del Río Grande, llame a Abt Associates al 1-866-300-9759 o envíenos un correo electrónico a RGVTravelStudy@abtassoc.com. También puede visitar www.RGVTravelStudy.org/es para obtener más información sobre este importante estudio.

De antemano, muchas gracias por seguir participando en el Estudio de viajes en el área del Valle del Río Grande.

Atentamente,
Equipo del Estudio de viajes en el área del Valle del Río Grande
Dear <mailname_1> < mailname_2>,

Thank you for completing the first part of the RGV Travel Study, sponsored by the Texas Department of Transportation (TxDOT). We are now asking your household to complete the final part of this important study.

Our records show that one or more of your household members did not complete the second survey – the travel journal – and we would like to give them another chance to do so. We survey only a small percentage of the households in the Rio Grande Valley, so your household’s response will make a big impact on improving transportation in your area.

Included in this letter is $5 as a token of our appreciation. You will receive a check for an additional $<inc_amnt_adj> once all of the household members have completed their travel journals.

The information you provided indicates that the person(s) listed below live in this household. In a few days, an interviewer for the Rio Grande Valley Travel Study will call you to ask about the trips these household members made on your new travel date: <ASSN>.

<fname_1> <fname_2> <fname_3> <fname_4> <fname_5> <fname_6> <fname_7> <fname_8> <fname_9> <fname_10>

Included you will also find a memory jogger for each household member. We recommend that you use the memory jogger(s) to keep track of the trips you make on your travel day.

Participation is voluntary and the information you provide will remain confidential, not allowing for the identification of any individual participant. If you have questions about the RGV Travel Study, please contact Abt Associates at 1-866-300-9759 or email us at RGVTravelStudy@abtassoc.com. You may also learn more about this important study by visiting the study website: www.RGVTravelStudy.org.

Thank you in advance for your continued participation in the RGV Travel Study.

Sincerely,
The RGV Travel Study Team
Estimado/a <mailname_1> < mailname_2>:

Gracias por participar en el Estudio sobre viajes en el área de Rio Grande y completar la encuesta inicial. Ahora le pedimos a su hogar que complete la parte final de este importante estudio. A modo de agradecimiento, tendrá derecho a recibir un cheque de $20.

La información que suministró indica que la(s) persona(s) enumerada(s) a continuación vive(n) en este hogar. En unos días, un entrevistador del Estudio sobre viajes en el área de Rio Grande lo llamará para hacerle preguntas sobre los viajes que hicieron estos integrantes del hogar el <ASSN>.

   <fname_1>    <fname_2>    <fname_3>    <fname_4>
   <fname_5>    <fname_6>    <fname_7>    <fname_8>
   <fname_9>    <fname_10>

También incluimos una ayuda de memoria para cada integrante del hogar. Recomendamos que utilice la/las ayuda(s) de memoria para llevar un seguimiento de los viajes que hace en su día de viaje.

Su participación en este estudio ayudará a ingenieros, planificadores y personas responsables de elaborar políticas del transporte a comprender sus necesidades de traslado y cómo y dónde modernizar las carreteras, reducir la congestión y mejorar las opciones para caminar, andar en bicicleta y movilizarse con el transporte público.

Su participación es voluntaria y la información que proporcione se mantendrá confidencial, lo cual no permitirá la identificación de ningún participante individual. Si tiene preguntas sobre el Estudio sobre viajes en el área de Rio Grande, llame a Abt Associates, la organización de investigación que dirige este estudio, al 1-866-300-9759 o envíenos un mensaje de correo electrónico a RGVTravelStudy@abtassoc.com. También puede visitar nuestro sitio web para obtener más información sobre este importante estudio: www.RGVTravelStudy.org.

De antemano, muchas gracias por seguir participando en el Estudio de viajes en el área del Valle del Río Grande.

Atentamente,

Equipo del Estudio de viajes en el área del Valle del Río Grande
Please use this form to list the trips you made on your travel day. When completing your travel journal, use this form to help answer the questions.

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>START HERE</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Place 1: Where were you at 3:00 AM on your assigned travel day? Provide place name and address/intersection</td>
<td>What time did you arrive at this place?</td>
<td>How did you get to this place? (For example, walk, car, bus)</td>
<td>What time did you leave this place?</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Place 2: Where did you go next?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Place 3: Where did you go next?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Place 4: Where did you go next?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Place 5: Where did you go next?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Place 6: Where did you go next?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Place 7: Where did you go next?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Place 8: Where did you go next?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Place 9: Where did you go next?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Place 10: Where did you go next?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

If you went to more than ten places on your travel day, please record these places on a separate sheet of paper.

**Activity List**

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, kinder, 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
**ODOMETER CARD**

As part of your travel journal, we would like you to write down the mileage for each of your vehicles listed below at the start and end of the travel day. Your 24 hour survey period starts at 3 a.m. on your assigned travel day and ends at 3 a.m. the next day.

Please note that some vehicles have two odometers; one that measures the mileage over the life of the vehicle, and a second odometer that can be reset (also known as “trip odometer”). For the purpose of this study, we are only interested in the odometer that displays the vehicle’s **lifetime mileage** (rounded to the nearest mile) before and after the 24 hour survey period.

Use this card to note your mileage so that you have it when you fill out your online travel journal. All members of your household must complete their online travel journals within 5 days of their travel day. Please do not return this card – you may discard it after filling out the online travel journal. If you have any questions, please contact us at 1-866-300-9759 or RGVTravelStudy@abtassoc.com.

Sincerely,

RGV Travel Study Team

<table>
<thead>
<tr>
<th>VEH.</th>
<th>YEAR</th>
<th>MAKE</th>
<th>MODEL</th>
<th>Start of day Odometer reading (miles)</th>
<th>End of day Odometer Reading (miles)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td>_ _ _, _ _ _ .00</td>
<td>_ _ _, _ _ _ .00</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td>_ _ _, _ _ _ .00</td>
<td>_ _ _, _ _ _ .00</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td>_ _ _, _ _ _ .00</td>
<td>_ _ _, _ _ _ .00</td>
</tr>
<tr>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td>_ _ _, _ _ _ .00</td>
<td>_ _ _, _ _ _ .00</td>
</tr>
<tr>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td>_ _ _, _ _ _ .00</td>
<td>_ _ _, _ _ _ .00</td>
</tr>
<tr>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td>_ _ _, _ _ _ .00</td>
<td>_ _ _, _ _ _ .00</td>
</tr>
</tbody>
</table>
THINGS TO REMEMBER

- **Individual memory joggers** are included for each member of your household. The memory jogger will help members of your household keep track of their activities and trips on the travel day.

- Please note that everyone should log travel on the same date.

- Please ask all members of your household to carry their memory jogger with them on the travel day and to record each activity and trip after it is made.

- **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 as two separate trips.

- Use the memory jogger to **record all activities that require travel.** Remember that travel includes walking and biking trips. Please also record the locations you traveled to, how you got there (car, bus, bike, walked, etc.), and your departure and arrival times.

- **Include all trips** no matter how short, whether you were traveling by car, bus, bike, walking, or other means, or if you were traveling with another household member. Even if your travel on the travel day is not typical, we still want to know about it. If you don’t know if you should include a location, go ahead and record it.

- Your travel day begins at 3:00 am on the day shown at the top of the memory jogger and goes until 3:00 am the next day. (If you are at work at 3:00 am, begin your travel journal at work).

- To make it easier to fill out the travel journal online, write down addresses with as much detail as possible. When applicable, include the street prefix (E, N, S, W) and the street suffix (Ave, St, Lane, Terr). For example, write 123 W. Main St - not 123 Main. The nearest cross streets to the location may be recorded if the specific address is not known.

- **Questions?** Contact us at: rgytravelstudy@abtassoc.com or 1-866-300-9759
APPENDIX C: Household Survey Instruments: Final Web Recruitment Specifications
22634-1010 (RIO GRANDE HTS RECRUIT) [CAWI LIVE]

Production URL (DO NOT USE):
https://confirm.opinionport.com/wix/p27378703.aspx

Enter survey via INIT:
https://confirm.opinionport.com/wix/p27369397.aspx

CATI:
https://confirm.opinionport.com/wix/p27369397.aspx?__e=z8ph6f

email: 

MAILADD: 

MAILSUITE: 

MAILCITY: 

MAILSTAT: 

MAILZIP: 

GPS: 

POFLAG: 

BATCH: 

COUNTY: 

CTFIP: 

TRACT: 

BG: 

2018 Rio Grande Valley Household Travel Survey Technical Summary
Welcome to the Rio Grande Valley Travel Study. The two-part study will look at how residents in Hidalgo and Cameron Counties and nearby areas travel on a daily basis. The results will be used to:

- Improve our roads, reduce traffic congestion, and enhance walk, bike and public transportation options.
- It is important that you respond, even if you do not travel very much. We want to hear from all types of households so we can get a complete picture of how and when people move about the area.

As a token of our appreciation for participating in this study, each member of your household may be eligible for a Visa Gift Card of up to $20 from Abt Associates. Your answers will be saved if you close the browser. Please use the “Next” and “Previous” buttons to navigate within the survey. Para cambiar el idioma a español, hay que cerrar esta ventana y volver a entrar en el estudio. Usted podrá elegir su idioma después de que vuelva a entrar.

**AGE18 - AGE18**

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

- Yes (1)
- No (2)
- No answer (997)

**TERM18_INFO**

This survey needs to be completed by someone at least 18 years of age. If someone 18 years of age or older is available, please ask them to come to the computer, go to www.RGVTravelStudy.org and click the "Household Survey" button. When asked, enter the following user ID:

If no one in your household at least 18 years of age is currently available, please write down the website and user ID and have him/her log back in at a later time. Thank you.

You may now close this screen.
ICONSENT
This survey is being conducted on behalf of the Texas Department of Transportation (TxDOT) by Abt Associates, a research firm. The purpose of this two-part study is to gather demographic information from Rio Grande Valley households. This information will be used by the study sponsor, TxDOT, to forecast the transportation needs of the region. Participation is entirely voluntary and your responses are confidential and will be used for statistical purposes only.

The time needed to complete the survey can vary. Based on your responses, your household may be eligible to participate in the second part of the study, where each member of your household may be eligible for a Visa Gift Card of up to $20 from Abt Associates. On average, this survey will take 10 to 15 minutes to complete, depending on the size of your household.

If you have any questions about this Travel Study, contact Abt Associates at 1-866-300-9759.

By continuing with this survey, you confirm that you are at least 18 years old and consent to participate in this study.

To begin, we have a few questions about transportation in the Rio Grande Valley:

How often do you drive?
- Every Day (1)
- A few days a week (2)
- A few days a month (3)
- A few days a year (4)
- Never (5)
- Don’t know (999)
- Prefer not to say (997)

How often do you drive to or within the Brownsville Area?
- Every Day (1)
- A few days a week (2)
- A few days a month (3)
- A few days a year (4)
- Never (5)
- Don’t know (999)
- Prefer not to say (997)

How often do you drive on State Highway 550?
- Every Day (1)
- A few days a week (2)
- A few days a month (3)
- A few days a year (4)
- Never (5)
- Don’t know (999)
- Prefer not to say (997)
Do you agree or disagree with the following statement: Collecting a toll from users of State Highway 550 is fair if the proceeds are used to support transportation in the Rio Grande Valley.

☐ Strongly Agree (1)
☐ Agree (2)
☐ Neither agree nor disagree (3)
☐ Disagree (4)
☐ Strongly disagree (5)
☐ Don’t know (999)
☐ Don’t know (999)

Next, we would like some background information regarding your household

How many bicycles in working order does your household have?

☐ Don’t know (98)
☐ Prefer not to say (99)

How many motorized vehicles are owned, leased, or available for regular use by the people who currently live in your household? Please be sure to include motorcycles and mopeds.

Include leased or company-owned cars, vans, pickup trucks, sport-utility vehicles, motorcycles and mopeds if they are used by household members on a regular basis.

☐ 0 motorized vehicles (0)
☐ 1 motorized vehicle (1)
☐ 2 motorized vehicles (2)
☐ 3 motorized vehicles (3)
☐ 4 motorized vehicles (4)
☐ 5 motorized vehicles (5)
☐ 6 motorized vehicles (6)
☐ 7 motorized vehicles (7)
☐ 8 motorized vehicles (8)
☐ 9 motorized vehicles (9)
☐ 10 motorized vehicles (10)

[ Number of people: ]

To better understand your traveling needs, we would like you to provide background information on your household by answering a few questions.

Including you, how many people are living at this address?

INCLUDE yourself and everyone else (babies, children, and adults) who lives here.

DO NOT INCLUDE anyone who is living somewhere else, such as a college student living away, someone who is just visiting or someone in the Armed Forces on deployment.

☐ 1 (1)
☐ 2 (2)
☐ 3 (3)
☐ 4 (4)
☐ 5 (5)
☐ 6 (6)
☐ 7 (7)
☐ 8 (8)
VEHTXT
You have indicated there __ vehicle available for regular use to your household. For this vehicle we would like you to provide some additional information. Are __ vehicles available for regular use to your household? Starting with the most frequently driven vehicles, we would like you to provide some additional information."^
Please specify the make of vehicle:
Model:


Model Year (YYYY):


Type:
- Motorcycle (includes mopeds) (1)
- Car (includes station wagons) (2)
- Van (mini and passenger) (3)
- Sport Utility Vehicle (4)
- Pickup Truck (5)
- Cargo Transport Vehicle (a vehicle used to carry commercial goods and cargo) (6)
- Service Vehicle (like those used by plumbers, electricians, or telephone/cable repair men) (7)
- Something else (96)
- Don’t know (98)
- Prefer not to say (99)

Please specify the type for vehicle:

Fuel Type:
- Gasoline (1)
- Diesel (2)
- Propane (3)
- Natural gas (4)
- Electricity (5)
- Gas/ Electric Hybrid (6)
- Something else (96)
- Don’t know (98)
- Prefer not to say (99)

Please specify the fuel type for vehicle:

Is the vehicle owned or leased by you or someone in your household? Or is this vehicle owned or leased by someone outside of this household?

- Owned or leased by a member of the household (1)
- Owned or leased by a non-household member (2)
- Don’t know (98)
- Prefer not to say (99)
VEHCOM

Is the 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.

This includes delivery drivers, but not someone (example: traveling salesperson) who uses their personal vehicle for business travel.

☐ Yes (1)
☐ No (2)
☐ Don’t know (98)
☐ Prefer not to say (99)

VEHSERDEV

How is the vehicle used for commercial or business purposes? Is it used for cargo delivery, commercial service or both?

☐ Cargo delivery (1)
☐ Commercial Service (2)
☐ Cargo Delivery and Commercial Service (3)
☐ Something else (96)
☐ Don’t know (98)
☐ Prefer not to say (99)

Please specify how the vehicle is used for commercial or business purposes:

Now we’d like to ask some questions about your household. First, which of the following categories best represents the combined income of all members of your household? Please include money from jobs, net income from business, farm or rent, pensions, dividends, welfare, social security payments and any other money income received by you or any other family member.

1-Less than $5,000
2-$5,000 to $9,999
3-$10,000 to $14,999
4-$15,000 to $17,499
5-$17,500 to $19,999
6-$20,000 to $22,499
7-$22,500 to $24,999
8-$25,000 to $27,499
9-$27,500 to $29,999
10-$30,000 to $32,499
11-$32,500 to $34,999
12-$35,000 to $39,999
13-$40,000 to $44,999
14-$45,000 to $49,999
15-$50,000 to $54,999
16-$55,000 to $59,999
17-$60,000 to $64,999
18-$65,000 to $69,999
19-$70,000 to $74,999
20-$75,000 to $79,999
21-$80,000 to $99,999
22-$100,000 to $124,999
23-$125,000 to $149,999
24-$150,000 to $199,999
25-$200,000 or more

**FNM**

So that we can provide each member of your household with an opportunity to participate, we'd like to collect some information about them. "Please tell us your first name, initials or nick-name?" : "Please tell us the first name, initials or nick-name of the people living or staying at this address."

*Names or initials shouldn’t be identical. If two names, nicknames or sets of initials are identical, please consider adding text or a number to one of them. For instance, you can name one person Joe and another Joe Jr. or Joe2.*

<table>
<thead>
<tr>
<th>Your name</th>
<th>FNAME-</th>
<th>FNAME_NA-</th>
</tr>
</thead>
<tbody>
<tr>
<td>Person 2's first name, initials or nick-name:</td>
<td>_______</td>
<td>_______</td>
</tr>
<tr>
<td>Person 3's first name, initials or nick-name:</td>
<td>_______</td>
<td>_______</td>
</tr>
<tr>
<td>Person 4's first name, initials or nick-name:</td>
<td>_______</td>
<td>_______</td>
</tr>
<tr>
<td>Person 5's first name, initials or nick-name:</td>
<td>_______</td>
<td>_______</td>
</tr>
<tr>
<td>Person 6's first name, initials or nick-name:</td>
<td>_______</td>
<td>_______</td>
</tr>
<tr>
<td>Person 7's first name, initials or nick-name:</td>
<td>_______</td>
<td>_______</td>
</tr>
<tr>
<td>Person 8's first name, initials or nick-name:</td>
<td>_______</td>
<td>_______</td>
</tr>
<tr>
<td>Person 9's first name, initials or nick-name:</td>
<td>_______</td>
<td>_______</td>
</tr>
<tr>
<td>Person 10's first name, initials or nick-name:</td>
<td>_______</td>
<td>_______</td>
</tr>
</tbody>
</table>

**GENDER**

"Please indicate your gender":

<table>
<thead>
<tr>
<th>Male (1)</th>
<th>Female (2)</th>
<th>Don’t know (98)</th>
<th>Prefer not to say (998)</th>
<th>No answer (997)</th>
</tr>
</thead>
<tbody>
<tr>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
</tbody>
</table>

"What is your ethnicity?"

*Please select all that apply.*

☐ Black/African American (1)
- Hispanic/Mexican American (2)
- Asian/Pacific Islander (3)
- Native American (4)
- White/Caucasian (5)
- Some other race, please specify: (96)
  - Don't Know (998)
  - No answer (997)

**RELATIONSHIP -**

How is Person 1 related to you?

- Contact person / Head of household (0)
- Husband / Wife / Unmarried Partner (1)
- Mother / Father / In-law (2)
- Brother / Sister / In-law (3)
- Grandfather / Grandmother (4)
- Grandson / Granddaughter (5)
- Son / Daughter / In-law (6)
- Aunt / Uncle (7)
- Other Relative (8)
- Other Non-Relative (9)
- Within household helper (live-in nanny, live-in caretaker) (10)
- Don't Know (98)
- Prefer not to say (99)

"Do you have a disability or medical condition that limits your mobility, how you travel, or your transportation options?" : "Does person have a disability or medical condition that limits his/her mobility, how he/she travels, or his/her transportation options?"^  

"Choose 'Yes' if you have difficulty standing or climbing, require a wheelchair or motorized chair, require a cane/walker, are visually impaired/blind or hearing impaired/deaf, or have another disability or condition that affects your mobility." : "Choose 'Yes' if " + f('PTRDlp').valueLabel() + " has difficulty standing or climbing, requires wheelchair or motorized chair, requires cane/walker, is visually impaired/blind or hearing impaired/deaf, or has another disability or condition that affects his/her mobility."^  

- Yes (1)
- No (2)
- Don’t know (98)
- Prefer not to say (99)

**AGE**

"What is your age?" :

"Please report babies as age 0 when the child is less than 1 year old." : ""^
"What is your age category?"

For statistical purposes, we need to know the age category of each household member. This will be used to ensure the survey is representative of your community.

<table>
<thead>
<tr>
<th>Person (1)</th>
<th>xAGE2 - Age Category</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Under 3 years old (1)</td>
</tr>
<tr>
<td></td>
<td>3 to 5 years old (2)</td>
</tr>
<tr>
<td></td>
<td>6 to 14 years old (3)</td>
</tr>
<tr>
<td></td>
<td>15 to 17 years old (4)</td>
</tr>
<tr>
<td></td>
<td>18 to 64 year old (5)</td>
</tr>
<tr>
<td></td>
<td>65 to 84 years old (6)</td>
</tr>
<tr>
<td></td>
<td>85 years and over (7)</td>
</tr>
<tr>
<td></td>
<td>No answer (997)</td>
</tr>
</tbody>
</table>

This survey needs to be completed by someone at least 18 years of age. If someone 18 years of age or older is available, please ask them to come to the computer, go to www.RGVTravelStudy.org and click the "Household Survey" button. When asked, enter the following user ID #: ^f('userid').get()^ If no one in your household at least 18 years of age is currently available, please write down the website and user ID number and have him/her log back in at a later time. Thank you. You may now close this screen.

"Do you have a driver's license?" : "Does person(1) have a driver's license?"^

- Yes (1)
- No (2)
- Don’t know (98)
- Prefer not to say (99)
VEHDRIVE

Do you drive any of the following vehicles?" : "

MULTIPLE RESPONSE. POPULATE WITH LIST OF VEHICLES IDENTIFIED IN EARLIER QUESTIONS.

"Do you drive a vehicle used for transporting cargo?

☑ Yes (1)
☑ No (2)
☑ Don’t know (98)
☑ Prefer not to say (99)

"Do you drive a vehicle used for providing a commercial or business service, such as plumber’s or electrician’s truck, a cable or telephone service vehicle?"

☑ Yes (1)
☑ No (2)
☑ Don’t know (98)
☑ Prefer not to say (99)

JOB_STS - JOB_STS (copied from diary)

'As of today do you have a job (either full time or part time), volunteer, or own a business/farm/ranch?

Include any job from which Proxytext('you are',"+f(fname).get()+' is')^ temporarily absent, such as on vacation or maternity/paternity leave.

☑ Yes (1)
☑ No (2)
☑ Retired (3)
☑ Disabled and unable to work (4)
☑ Not employed other, please specify: (5)
☑ Don’t know (98)
☑ Prefer not to say (99)

Other: Please specify:

JOB - JOB

"Are you currently employed in a paying job?"

☑ Yes (1)
☑ No (2)
BUSINESS - BUSINESS

Are you currently self-employed, own a business or farm/ranch

- Yes (1)
- No (2)
- No answer (997)

VOLUNTEER - VOLUNTEER

^f('PTRDlp').get()=="1" ? "Last week, did you do any volunteer activities for or through an organization?" : "Last week, did " + f('PTRDlp').valueLabel() + " do any volunteer activities for or through an organization?"^^

- Yes (1)
- No (2)
- No answer (997)

GPS_Consent - GPS_Consent

Universe: GPS=1 and TOTVEH > 0

Question Text:

< If HHSIZE=1 > "To help understand how far you travel and your route choices, we would like to send you Global Positioning System (GPS) equipment for use on your survey day. If you agree, a field representative from Abt Associates will visit your home to drop off the GPS unit and provide you with a quick training on how to use it. The field representative can also install the GPS unit in your vehicle for you if you’d like. After your travel day, a field representative will pick the GPS unit up from you. Both visits will be scheduled for a day and time that is convenient for you. After the second part of the survey is complete and the GPS device is picked up, you will receive an additional $10. The field representative will deliver a $20 Visa Gift Card when the GPS unit is picked up.

< If HHSIZE >=2 > "To help understand how far members of your household travel and their route choices, we would like to send your household Global Positioning System (GPS) equipment for use on the survey day. If you agree, a field representative from Abt Associates will visit your home to drop off up to three(3) GPS units, and provide members of your household with a quick training on how to use them. The field representative can also install the GPS units in your vehicles if you’d like. After your travel day, a field representative will pick the GPS units up from your household. Both visits will be scheduled for a day and time that is convenient for your household. After
the second part of the survey is completed by all household members and the GPS devices are picked up, household members who used a GPS unit will receive an additional $10. The field representative will deliver a $20 Visa Gift Card to household members selected to use a GPS unit, and a $10 Visa Gift Card to all other household members.

<all>Would you be interested in recording your household a $10 Visa Gift Card to all other household members

☐ Yes (1)
☐ No (2)

ASSNTEST - ASSNTEST

*** DURING TESTING ***

During testing you can set the current date, which will re-calculate ASSN.

If you wish to use today's date, leave this box blank.

If today's date or the date entered is earlier than July 25, 2016, then CURRENT DATE will be shown as July 25, 2016.

*Use this date format: dd-MMM-yyyy. Use the three-character Month abbreviation and a 4-digit year. So, January 20, 2016 would be: 20-Jan-2016*

ASSNINFO - ASSNINFO

*** DURING TESTING ***

During testing this screen will be displayed, so you can review ASSN information:

ELIG CHECK
Thank you for providing this valuable information about your household. Based on your responses, your household is not eligible for the second part of the survey. Your participation has been very valuable and we appreciate your time.

If you have any questions, please contact us at:

Toll Free: 1-866-300-9759
Email: RGVTravelStudy@abtassoc.com
Website: www.RGVTravelStudy.org

You may now close this window.

Would you be able to complete the second part of the survey over the Internet?

- Yes (1)
- No (2)
- No answer (997)

Would you be able to complete the second part of the survey over the phone or by using a paper diary?

- Phone (1)
- Paper diary (2)
- No (3)
- No answer (997)
Have you ever wondered how transportation planners decide on where to build a street or place a bus stop? This study will help your county improve future transportation options.

The information you provide is vital to reducing congestion and improving transportation safety. We want to make sure that your household is represented in this important survey. No one else can substitute for you.

Will you help by completing the second part of the survey over the Internet, over the phone, or using a paper diary?

- Internet (1)
- Phone (2)
- Paper diary (3)
- No thank you (9)
- No answer (997)
GPS_DAYTIME

SHOW IF GPS_CONSENT=1

We’d like to know the best days of the week, and times of day a field representative can deliver GPS equipment to your home. The visit will take approximately 30 minutes. Please indicate the days of the week and times of the day that work for you/your household in the table below. A field representative will follow-up with you in order to schedule an exact appointment.

<table>
<thead>
<tr>
<th></th>
<th>Morning (8am to 12pm)</th>
<th>Afternoon (12pm-4pm)</th>
<th>Evening (4pm to 8pm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sunday</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Monday</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tuesday</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wednesday</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Thursday</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Friday</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Saturday</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

MAIL_EMAIL

SHOW IF GPS_CONSENT <>1 AND (DIARYCONSENT=1 OR REFUSALCONVERT=1)

Would you like to receive information about the second part of the survey by email, or in the mail?

1. E-Mail
2. By mail

MAILNM - MAILNM

SHOW IF MAIL_EMAIL=2 OR TELMODE < OR = 2 OR REFUSALCONVERT=2 OR REFUSALCONVERT=3.

To whom should we address the mail materials?

<table>
<thead>
<tr>
<th>First Name (1)</th>
<th>MAILNAME -</th>
<th>MAILNAME_NA -</th>
</tr>
</thead>
<tbody>
<tr>
<td>Last Name (2)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**Instruction**

In order to follow up with important information and reminders regarding part 2 of the travel study and your travel on the assigned travel day, we would like to ask for your contact information.

Could you provide us with:

**EMAILADDR - EMAILADDR**

^f('CONTACTLP').get()=='l' ? "Your email:" : f('FNAME_') + f('CONTACTLP').toNumber() + "'s email:"^

&nbsp; (1) ______________________________

**EMAILADDR_NA - EMAILADDR_NA**

☐ Prefer not to say (99)
☐ No answer (997)

**PHONE - PHONE**

^f('CONTACTLP').get()=='l' ? "Your phone number:" : f('CONTACTLP') + "'s phone number:"^

&nbsp; (1) ______________________________

**PHONE_NA - PHONE_NA**

☐ Prefer not to say (99)
☐ No answer (997)

**CELL - [ Select ]**

Is this a landline phone or cellphone?

☐ Landline phone (1)
☐ Cellphone (2)
☐ Prefer not to say (99)
☐ No answer (997)

**REM_CONS - [ Select ]**

^f('CONTACTLP').get()=='l' ? "In which language would you like reminders sent?" : "In which language would " + f('CONTACTLP') + " like reminders sent?"^
Prefer not to say (99)

**TEXTCONS** - **TEXTCONS**

We can also send you a text message to remind you to complete the second part of the survey. We will send a maximum of five text messages using an automated system. Message and data rates may apply and you can reply STOP at any time to opt out of the text messages.

Would you like us to send you reminders via text message?

- Yes (1)
- No (2)
- Prefer not to say (99)

**iLOCCONFIRM** - **iLOCCONFIRM**

We would like to confirm that your home address is:

**LOCCONFIRM** - **LOCCONFIRM**

Street Address: \(^{f('MAILADD')}\)
\(^{f('MAILSUITE')}\).toBoolean()?Apartment or Suite: \(^{f('MAILSUITE')}\)+
\(':\) City: \(^{f('MAILCITY')}\)
State: \(^{f('MAILSTAT')}\)
ZIP code: \(^{f('MAILZIP')}\)

*Your personal information, including your home address, will be kept private and only used for statistical purposes.*

- Yes, this is my home address (1)
- No, this is not my home address (2)

**LOCADDCORRECT_Css** - **LOCADDCORRECT_Css**

Could you please provide your physical home address?

**LOCADDCORRECT_HTML** - **LOCADDCORRECT_HTML**

Street address Apt/Suite City State Zip code Country asdsa

**LOCADDCORRECT_punchScript** - **LOCADDCORRECT_punchScript**

**LOCSTATE1** - **Select**

- Alabama (AL)
- Alaska (AK)
- Arizona (AZ)
MAILCONF_new - MAILCONF_new
Is your mailing address the same as your home address?

^ADDPIPE("LOC")^

☐ Yes (1)
☐ No (2)

MAILADDRCORRECT_Css - MAILADDRCORRECT_Css
Could you please provide your mailing address?

MAILADDRCORRECT_HTML - MAILADDRCORRECT_HTML
Street address
Apt/Suite
City
Zip code
Country
asdsa

MAILADDRCORRECT_Script - MAILADDRCORRECT_Script

MAILSTATE1 - Select.................................

☐ Alabama (AL)
☐ Alaska (AK)
☐ Arizona (AZ)
☐ Arkansas (AR)
☐ California (CA)
☐ Colorado (CO)
☐ Connecticut (CT)
☐ Delaware (DE)
☐ Florida (FL)
☐ Georgia (GA)
☐ Hawaii (HI)
☐ Idaho (ID)
☐ Illinois (IL)
☐ Indiana (IN)
☐ Iowa (IA)
☐ Kansas (KS)
☐ Kentucky (KY)
☐ Louisiana (LA)
☐ Maine (ME)
☐ Maryland (MD)
☐ Massachusetts (MA)
○ Michigan (MI)
○ Minnesota (MN)
○ Mississippi (MS)
○ Missouri (MO)
○ Montana (MT)
○ Nebraska (NE)
○ Nevada (NV)
○ New Hampshire (NH)
○ New Jersey (NJ)
○ New Mexico (NM)
○ New York (NY)
○ North Carolina (NC)
○ North Dakota (ND)
○ Ohio (OH)
○ Oklahoma (OK)
○ Oregon (OR)
○ Pennsylvania (PA)
○ Rhode Island (RI)
○ South Carolina (SC)
○ South Dakota (SD)
○ Tennessee (TN)
○ Utah (UT)
○ Vermont (VT)
○ Virginia (VA)
○ Washington (WA)
○ West Virginia (WV)
○ Wisconsin (WI)
○ Wyoming (WY)
In order to mail instructions for completing the second part of the survey, we need to verify that your mailing address is: ^MAILCONFtxt^.

- Yes, this is my mailing address (1)
- No, this is not my mailing address (2)
- No answer (997)

Thank you for your time. This concludes the survey.

You may now close this screen.
MLGADDRia - MLGADDRia
Could you please provide your correct mailing address?

"If 'ISandNotIE').get()=='I'?'You may look up the address by entering the location name or number address in the box below.';""^\n
LOOKUPA1 - LOOKUPA1

Look up the address:&nbsp; (1) ______________________
&nbsp; (100) ______________________

MLGADDRic - MLGADDRic
Could you please provide your correct mailing address?

MLGADDRSR - MLGADDRSR
Street:&nbsp; (1) ______________________

MLGADDRAPT - MLGADDRAPT
Apartment or Suite:&nbsp; (5) ______________________

MLGADDRCT - MLGADDRCT
City:&nbsp; (2) ______________________

MLGADDRST - MLGADDRST
State:&nbsp; (3) ______________________

MLGADDRZP - MLGADDRZP
5 digit ZIP code:&nbsp; (4) ______________________

MLGADDRSRNS - MLGADDRSRNS - Don't know / Rather not say
&nbsp;

☐ Not Sure (998)
DIFFFA1 - DIFFFA1

☑ &nbsp; (1)

LvIMLGADDR - LvIMLGADDR - Locator
You can zoom in to help find the location. Then click Continue.
It may help to enter any known address information (i.e. Fort Lauderdale, FL) in the box below to zoom to the appropriate area.

MLGXSTS - MLGXSTS
We understand if the exact information isn't available. What are the nearest cross streets?

☑ Not Sure (998)
☑ Prefer Not to Answer (999)

MADDCONF - MADDCONF
Our records indicate ___'s" address is: ^MlgAddrConf()^ If this is correct, please click on CONTINUE. If this is not correct, please click on GO BACK and revise your answer.

TERM_REFUSAL3 - TERM_REFUSAL3
To participate in the second part of the study - the travel survey - we ask you to return to the previous question by clicking the "Previous Page" button and provide an answer to the question that you missed. You may also close the browser and re-enter the survey later by visiting www.RGVTravelStudy.org and clicking on the "Household Survey" button. When asked, enter the following user ID: ^f('userid').get()^.

You may now close this window.

STRUCT_TENi - STRUCTURE
To conclude, we have a few questions about your home. This information is needed to ensure our data is representative of the region.

☑ Unattached Single Family Home (1)
☑ Condo (2)
- DUPLEX (3)
- APARTMENT (4)
- MOBILE HOME (5)
- OTHER (PLEASE SPECIFY): (6)
- DON'T KNOW (998)
- NO ANSWER (997)
- PREFER NOT TO SAY (999)

**STRUCTURE_OTHER - STRUCTURE_OTHER**

**XTENURE - XTENURE**

What year did you move to this residence?
*Year (YYYY):*

**PREVZIP - PREVZIP**

In what ZIP code was your previous residence located?

**PREVZIP_DK - PREVZIP_DK**

- Don't Know (998)
- Prefer not to say (999)

**PREVRES - PREVRES**

Was your previous residence in the Rio Grande Valley (Hidalgo County or Cameron County) Area?

- Yes (1)
- No (2)
- Don't know (98)
Prefer not to say (99)

RMOVE - RMOVE
Please select your reason(s) for moving to your current house or apartment.
Check all that apply.

- Price of Property / Rent (1)
- Taxes (2)
- Proximity to Work (3)
- School District (4)
- Proximity to School (5)
- Character of Neighborhood or Area (6)
- Access to Public Transportation (7)
- Security / Safety (8)
- Other, please specify: (96)
- Don't know (98)
- Prefer not to say (99)

RMOVE_OTHER - RMOVE_OTHER

TERM_REFUSAL_A - TERM_REFUSAL_A
To participate in the second part of the study - the travel survey - we ask you to return to the previous question by clicking the "Previous Page" button and provide an answer to the question that you missed. You may also close the browser and re-enter the survey later by visiting www.RGVTravelStudy.org and clicking on the "Household Survey" button. When asked, enter the following user ID: ^f('userid').get().^

You may now close this window.

ENDSURVEY - ENDSURVEY
SHOW IF GPS CONSENT=1
Thank you for completing the first part of the survey. One of our field representatives will be in touch with you in the next few days to arrange a day and time to drop off your GPS equipment and get you started with the second part of the survey.

SHOW IF NON-GPS CASE
Thank you for completing the first part of the survey. Information regarding the second part of the survey will be sent a few days prior to your travel day. Your household travel day is <<INSERT ASSN CALCULATED AS FOLLOWS:

IF DIARYCONSENT = 1 OR REFUSALCONVERT=1 – Today +5 days. If Today +5 days is not on list of approved travel days, assign the next available day.

IF TELMODE = 1 OR 2 OR REFUSALCONVERT=2 OR 3 – Today +10 days. If Today +10 days is not on list of approved travel days, assign the next available day.>>.

You can complete the final part of your travel journal by visiting www.RGVTravelStudy.org and clicking on “Travel Journal.” Please do this within five (5) days of your travel day. Here, you’ll find helpful information that you can print or download, including a letter about participation, along with a memory jogger and odometer card that participants can use to keep track of their trips.

It’s very important that you remember your household User ID, which you’ll need to log in. Your household user ID is: <userid>. This can also be found in the letter you received about the study.

EndSurvey_Close - EndSurvey_Close

You may now close this window.
APPENDIX E: Final Web and Paper Travel Journal Specifications
22634-1010 (RIO GRANDE VALLEY - DEV PHASE 4) [CAWI LIVE]

DFP_STATUS - DFP_STATUS
DFP_STATUS

☑ Captured (1)
☑ No Capture (2)

iTooEarly - iTooEarly
Thank you. Because your travel day is ^f('ASSN')^, you will not be able to enter the survey until that travel period is over. You can start entering data any time after 3:00 am on ^assn7('1')^.

Gracias. Debido a que su día de viaje es el ^f('ASSN')^, no podrá ingresar a la encuesta hasta que ese período de viaje haya terminado. Puede comenzar a ingresar datos después de las 3:00 a.m. del ^assn7('1')^.

Would you prefer to participate in English or Spanish? ¿Preferiría llenar la encuesta en inglés o español?

☑ English (inglés) (9)
☑ Español (Spanish) (10)

Intro_Text_Start - Intro_Text_Start
Welcome to the second part of the Rio Grande Valley Travel Study, the travel journal. Your participation in this study will help transportation engineers, planners and policymakers understand your traveling needs and how and where to improve roads, reduce congestion, and enhance walking, biking and public transportation options.

If you have questions please contact Abt Associates, the research organization managing this study, at 1-866-300-9759 or email us at RGVTravelStudy@abtassoc.com.

Para cambiar el idioma a español, cerrar esta ventana y volver a entrar en la encuesta. Usted podrá elegir su idioma.
después de que vuelva a entrar.

Your answers will be saved if you close the browser.

**ICONSENT - ICONSENT**

This survey is being conducted on behalf of the Texas Department of Transportation by Abt Associates, a research firm. The purpose of this survey is to collect demographic information and travel behavior data from Rio Grande Valley households on specific days. This information will be used to forecast the transportation needs of the Rio Grande Valley region and your community.

In this study, we will be asking household members to complete their own travel journal for a specific day. For children 15 years old or younger, we ask that an adult with knowledge of their travel respond on their behalf. Your responses are confidential and participation is voluntary and will be used for statistical purposes only.

Respondents' travel behavior, such as distances traveled, routes taken and trip start and end times, will also be captured with the use of Global Positioning System (GPS) loggers. The GPS data will help the Texas Department of Transportation better understand travel in your area. To protect your privacy, all travel data is stored on the GPS logger under an anonymous id.

The estimated time needed to complete this survey is 15 minutes per household member depending on the number of trips taken.

By continuing with this survey, you confirm that you consent to participate in this study.

Click "Next" to continue.

**Proxy - Proxy**

Who is completing person(1)'s travel journal?

- Person(1)
- Someone else is completing Person(1)'s travel journal on his/her behalf (1)

**Proxy2 - Proxy2**

Who is completing the travel journal for ^f('fname')^?

- ^f('HNAME')^[1].get() (1)
- ^f('HNAME')^[2].get() (2)
- ^f('HNAME')^[3].get() (3)
- ^f('HNAME')^[4].get() (4)
- ^f('HNAME')^[5].get() (5)
- ^f('HNAME')^[6].get() (6)
- ^f('HNAME')^[7].get() (7)
- ^f('HNAME')^[8].get() (8)
- ^f('HNAME')^[9].get() (9)
- ^f('HNAME')^[10].get() (10)
IntroBR - Intro
Before we begin to record the trips and activities for \^dateD1()\^, we will ask a few questions about how \^Proxytext('you travel',"+f('fname').get()+' travels'+")\^ Next we will ask a few questions about \^Proxytext('your',"+f('fname').get()+'s'+")\^ work and school status.

This is important as commuting to and from work and school accounts for most of the trips a person makes on a daily basis. Let us start with some background questions that will help us understand how \^Proxytext('you travel',"+f('fname').get()+' travels'+")\^.

BRDE - BRDE
How many days did \^Proxytext('you',''+f('fname').get()+'')\^ ride a bike during the past week?

- 0 (0)
- 1 (1)
- 2 (2)
- 3 (3)
- 4 (4)
- 5 (5)
- 6 (6)
- 7 (7)
- Don’t know (98)
- Prefer not to say (99)

TA_SANAI - TA_SANAI

How often \^Proxytext('do you',' '+"does "+f('fname').get()+)\^ travel to the following areas within Texas?

To Austin-San Antonio from the Rio Grande Valley.

- Never (1)
- 1 to 2 times per year (2)
- 1 to 2 times every 6 months (3)
- 1 to 2 times every 3 months (4)
- 1 or more times every month (5)
- 1 or more times every week (6)
- Prefer not to say (99)

TD_FW - [Select]
To Dallas-Ft. Worth from the Rio Grande Valley.

- Never (1)
- 1 to 2 times per year (2)
- 1 to 2 times every 6 months (3)
- 1 to 2 times every 3 months (4)
- 1 or more times every month (5)
- 1 or more times every week (6)
☐ Prefer not to say (99)

**T_HOU - [Select]**

To Houston from the Rio Grande Valley.

☐ Never (1)
☐ 1 to 2 times per year (2)
☐ 1 to 2 times every 6 months (3)
☐ 1 to 2 times every 3 months (4)
☐ 1 or more times every month (5)
☐ 1 or more times every week (6)
☐ Prefer not to say (99)

**BPurpose - [Select]**

What was your most common purpose for riding a bike in the past week?

☐ Work (1)
☐ School (2)
☐ Shopping (3)
☐ Visiting (4)
☐ Recreation/Exercise (5)
☐ Other (96)
☐ Don’t know (98)
☐ Prefer not to say (99)

**BPurpose_OTHER - BPurpose_OTHER**

Please Specify:


**R_SANA - [Select]**

We would like to know if you would ride passenger rail service to travel within Texas. Please indicate whether you would use the following services:

^Proxytext('T',"+f('fname').get()+")^ would ride passenger rail service to Austin-San Antonio.

☐ Yes (1)
☐ No (2)
☐ Possibly (3)
☐ Prefer not to say (99)

**R_DFW - [Select]**

^Proxytext('T',"+f('fname').get()+")^ would ride passenger rail service to Dallas-Ft. Worth.
R_HOU - [Select]

^Proxytext('I',''+f('fname').get()+'')^ would ride passenger rail service to Houston.

IntroEB - IntroEB

The following set of questions are about places ^Proxytext('you',''+f('fname').get()+'')^ may often visit. By answering these questions you will be helping plan improvements around these areas.

EDUENROLL - EDUENROLL

^Proxytext('As of today, are you a student enrolled in school or college?','As of today, is '+f('fname')+ ' a student enrolled in school or college?')^  
This includes nursery school, preschool, kindergarten, grade 1 through 12, college and vocational school.

EDULEVEL - EDULEVEL

^Proxytext('What grade or equivalent are you currently attending?','What grade or equivalent is '+f('fname')+ ' currently attending?')^  
Graduate school includes MA or PhD programs, medical and law schools.

EDULEVEL_OTHER - EDULEVEL_OTHER

Please describe at what level you are attending school
**EDUHOURS - EDUHOURS**

^Proxytext('How many total classroom hours are you currently enrolled in for your '+f('EDULEVEL')+’ program?','How many total classroom hours is '+f('fname')+’ currently enrolled in for his/her '+f('EDULEVEL')+’ program?')^  

*Include both online classes and classes where you are physically at the school/college.*

- Less than 12 classroom hours (2)
- 12 or more classroom hours (1)
- Don’t know (98)
- Prefer not to say (99)

**SCHL - SCHLi**

What is the address of the school?  

By providing this information, you will help the transportation planners design safer transportation options around schools and colleges.

**SCHLADD - SCHLADD**

<table>
<thead>
<tr>
<th>House No.</th>
<th>Street address</th>
<th>City</th>
<th>State</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZIP code</td>
<td>Country</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Hidalgo (1)
- Cameron (2)
- Other county (3)

Please specify: ________________________________

- TEXAS (TX)
- MEXICO (not in US state) (MX)
- Alabama (AL)
- Alaska (AK)
- Arizona (AZ)
- Arkansas (AR)
- California (CA)
- Colorado (CO)
- Connecticut (CT)
Delaware (DE)  
District of Columbia (DC)  
Florida (FL)  
Georgia (GA)  
Hawaii (HI)  
Idaho (ID)  
Illinois (IL)  
Indiana (IN)  
Iowa (IA)  
Kansas (KS)  
Kentucky (KY)  
Louisiana (LA)  
Maine (ME)  
Maryland (MD)  
Massachusetts (MA)  
Michigan (MI)  
Minnesota (MN)  
Mississippi (MS)  
Missouri (MO)  
Montana (MT)  
Nebraska (NE)  
Nevada (NV)  
New Hampshire (NH)  
New Jersey (NJ)  
New Mexico (NM)  
New York (NY)  
North Carolina (NC)  
North Dakota (ND)  
Ohio (OH)  
Oklahoma (OK)  
Oregon (OR)  
Pennsylvania (PA)  
Rhode Island (RI)  
South Carolina (SC)  
South Dakota (SD)  
Tennessee (TN)  
Utah (UT)  
Vermont (VT)  
Virginia (VA)  
Washington (WA)  
West Virginia (WV)  
Wisconsin (WI)  
Wyoming (WY)  
OTHER (not US or Mexico) (OT)
As of today do you have a job (either full time or part time), volunteer, or own a business/farm/ranch?

Include any job from which temporarily absent, such as on vacation or maternity/paternity leave.

- Yes (1)
- No (2)
- Retired (3)
- Disabled and unable to work (4)
- Not employed other, please specify: (5)
- Don't know (98)
- Prefer not to say (99)

Please specify:
**DYSWRK - Number of days per week (0-7)**

^Proxytext('How many days a week do you usually work?','How many days a week does ' + f('fname') + ' usually work?')^

- 0 (0)
- 1 (1)
- 2 (2)
- 3 (3)
- 4 (4)
- 5 (5)
- 6 (6)
- 7 (7)
- Don’t know (98)
- Prefer not to say (99)

**MJOBS - MJOBS**

^Proxytext('As of today, do you have more than one job or business, including part time, evening or weekend work?','As of today, does ' + f('fname').get() + ' have more than one job or business, including part time, evening or weekend work?')^

- Yes (1)
- No (2)
- Don’t know (98)
- Prefer not to say (99)

**LWRK - LWRK**

^Proxytext('Have you been/will you be looking for work this week?','Has ' + f('fname') + ' been/will ' + f('fname') + ' be looking for work this week?')^

- Yes (1)
- No (2)
- Don’t know (98)
- Prefer not to say (99)

**EDESC1 - EDESC1**

^Proxytext('Which statement best describes your ','Which statement best describes ' + f('fname').get() + '' + f('MJOBS').any('1') + '?' + f('MJOBS').any('1') + 'main"':" employment?''^"^'

- Self-employed where you own your own business or farm/ranch (900)
OCCP1 - Select

What kind of work do you do in your job, that is, what is your job, that is, what is his/her job? A set of activities or tasks that employees are paid to perform.

- Employed by a person, business or organization (999)
- Don’t know (998)
- Prefer not to say (997)

- Management, professional, and related occupations (1)
- Service occupations (2)
- Sales and office occupations (3)
- Farming, fishing, and forestry occupations (4)
- Construction, extraction, and maintenance occupations (5)
- Production, transportation, and material moving occupations (6)
- Other/Not applicable (unemployed/student/retired) (96)
- Don’t know (98)
- Prefer not to say (99)

INDUSTRY1 - Select

What kind of business or industry The type of activities an enterprise (a private firm, government, or nonprofit organization) performs.

Describe the activity at the location where employed.

- Agriculture, forestry, fishing and hunting, mining (1)
- Construction (2)
- Manufacturing (3)
- Wholesale trade (4)
- Retail trade (5)
- Transportation, warehousing, utilities (6)
- Information Technology (7)
- Finance, insurance, real estate, rental and leasing (8)
- Professional, scientific, management, administrative, and waste management services (9)
- Education, health, and social services (10)
- Arts, entertainment, recreation, accommodation, and food services (11)
- Other services (except public administration) (12)
- Public Administration (13)
- Other/Not applicable (unemployed/student/retired) (96)
- Don’t know (98)
- Prefer not to say (99)
**JOBHRS1 - JOBHRS1**  
^Proxytext('How many hours per week do you USUALLY work at your job/business?')  
\$({document}.ready(function(){\$('\'.temp-br\').remove()}))  
Number of Hours: 1 ___________________ (1)

**JOBHRS1_DK - JOBHRS1_DK**  
\$(this).ready(function(){\$('\'.temp-br\').remove()})  
❑ Varies substantially from week to week (996)  
❑ Don't know (998)  
❑ Prefer not to say (999)

**Wrk_Flx1 - Wrk_Flx1**  
^Proxytext('Do you have flexible work hours at your job/business?')  
^Proxytext('job that allow you to vary or make changes in the time you begin and end work?')  
\^Yes (1)  
\^No (2)  
\^Don't know (98)  
\^Prefer not to say (99)

**WRKHM1 - WRKHM1**  
^Proxytext('As part of your job/business do you usually perform any of your work at home?')  
\^Yes (1)  
\^No (2)  
\^Don't know (98)  
\^Prefer not to say (99)

**DYSWRKHM1 - Number of days per week (0-7):**  
How many days a week do you usually work at home for your job/business?  
\^Yes (1)  
\^No (2)  
\^Don't know (98)  
\^Prefer not to say (99)
HMEOF - HMEOF

^Proxytext('While some workers conduct most of their work at an office or other workplace, others work from home. Do you usually work/run your business from home or some other location?';'While some workers conduct most of their work at an office or other workplace, others work from home. Does '+f('fname')+ ' usually work or run his/her business from home or some other location?')^

- Home (1)
- Some other location (2)
- Don't know (98)
- Prefer not to say (99)

TWKP1 - TWKP1

'Thich of the following best describes your workplace?

- Office (Non-government) (1)
- Office (Government) (2)
- Retail/Shopping/Gas (3)
- Industrial/Manufacturing/Warehouse (4)
- Medical (5)
- Education – Day Care/K-12 (6)
- Education – College, trade school, other (7)
- Residential (8)
- Airport (9)
- Eating Establishment (10)
- Other (96)
- Don’t know (98)
- Prefer not to say (99)

TWKP1_OTHER - &nbsp;

Please Specify:

What is your work location address?

You may look up the address by entering the location name or part of the street address in the box below.

This information is used by transportation planners to improve your community’s transportation options. We will not contact the workplace or share this information.
House No.  
Street address  
City  
ZIP code  
Country  

- Hidalgo (1)  
- Cameron (2)  
- Other county (3)  

- Texas (TX)  
- MEXICO (not in US state) (MX)  
- Alabama (AL)  
- Alaska (AK)  
- Arizona (AZ)  
- Arkansas (AR)  
- California (CA)  
- Colorado (CO)  
- Connecticut (CT)  
- Delaware (DE)  
- District of Columbia (DC)  
- Florida (FL)  
- Georgia (GA)  
- Hawaii (HI)  
- Idaho (ID)  
- Illinois (IL)  
- Indiana (IN)  
- Iowa (IA)  
- Kansas (KS)  
- Kentucky (KY)  
- Louisiana (LA)  
- Maine (ME)  
- Maryland (MD)  
- Massachusetts (MA)  
- Michigan (MI)  
- Minnesota (MN)  
- Mississippi (MS)  
- Missouri (MO)  
- Montana (MT)  
- Nebraska (NE)  
- Nevada (NV)  
- New Hampshire (NH)  
- New Jersey (NJ)  
- New Mexico (NM)  
- New York (NY)  
- North Carolina (NC)  
- North Dakota (ND)  
- Ohio (OH)  
- Oklahoma (OK)
Oregon (OR)
Pennsylvania (PA)
Rhode Island (RI)
South Carolina (SC)
South Dakota (SD)
Tennessee (TN)
Utah (UT)
Vermont (VT)
Virginia (VA)
Washington (WA)
West Virginia (WV)
Wisconsin (WI)
Wyoming (WY)
OTHER (not US or Mexico) (OT)

PRICITY - PRICITY

PRILL - PRI LAT and LON

PRICOUNTRY - PRICOUNTRY

PRIADDRZP - PRIADDRZP

EDESC2 - EDESC2

Which statement best describes your secondary employment?

Self-employed where you own your own business or farm/ranch (900)
Employed by a person, business or organization (901)
Don’t know (998)
Prefer not to say (999)
What kind of work do you do in your secondary job?

- Service occupations (2)
- Sales and office occupations (3)
- Farming, fishing, and forestry occupations (4)
- Construction, extraction, and maintenance occupations (5)
- Production, transportation, and material moving occupations (6)
- Other/Not applicable (unemployed/student/retired) (96)
- Don’t know (98)
- Prefer not to say (99)

What kind of business or industry The type of activities an enterprise (a private firm, government, or nonprofit organization) performs.

Describe the activity at the location where employed. Agriculture, forestry, fishing and hunting, mining (1)

- Construction (2)
- Manufacturing (3)
- Wholesale trade (4)
- Retail trade (5)
- Transportation, warehousing, utilities (6)
- Information Technology (7)
- Finance, insurance, real estate, rental and leasing (8)
- Professional, scientific, management, administrative, and waste management services (9)
- Education, health, and social services (10)
- Arts, entertainment, recreation, accommodation, and food services (11)
- Other services (except public administration) (12)
- Public Administration (13)
- Other/Not applicable (unemployed/student/retired) (96)
- Don’t know (98)
- Prefer not to say (99)

How many hours per week do you USUALLY work at your secondary job/business?

Number of Hours: (1) ____________________________ (1)

Varies substantially from week to week (900)
Don’t know (998)
Prefer not to say (999)
Which of the following best describes \( f('Proxy').get() == '0' \) ? "your" : \( f('fname').get() + "'s" \) secondary workplace?

- Office (Non-government) (1)
- Office (Government) (2)
- Retail/Shopping/Gas (3)
- Industrial/Manufacturing/Warehouse (4)
- Medical (5)
- Education – Day Care/K-12 (6)
- Education – College, trade school, other (7)
- Residential (8)
- Airport (9)
- Eating Establishment (10)
- Other (96)
- Don’t know (98)
- Prefer not to say (99)

Please Specify:

You may look up the address by entering the location name or part of the number address in the box below.

This information is used by transportation planners to improve your community’s transportation options. We will not contact the workplace or share this information.

Name (1) _______________________________


House No.
Street address
City
ZIP code
Country

**County:**
- Hidalgo (1)
- Cameron (2)
- Other county (3)

**Swstate - Select**

- TEXAS (TX)
- MEXICO (not in US state) (MX)
- Alabama (AL)
- Alaska (AK)
- Arizona (AZ)
- Arkansas (AR)
- California (CA)
- Colorado (CO)
- Connecticut (CT)
- Delaware (DE)
- District of Columbia (DC)
- Florida (FL)
- Georgia (GA)
- Hawaii (HI)
- Idaho (ID)
- Illinois (IL)
- Indiana (IN)
- Iowa (IA)
- Kansas (KS)
- Kentucky (KY)
- Louisiana (LA)
- Maine (ME)
- Maryland (MD)
- Massachusetts (MA)
- Michigan (MI)
- Minnesota (MN)
- Mississippi (MS)
- Missouri (MO)
- Montana (MT)
- Nebraska (NE)
- Nevada (NV)
- New Hampshire (NH)
- New Jersey (NJ)
- New Mexico (NM)
- New York (NY)
- North Carolina (NC)
- North Dakota (ND)
- Ohio (OH)
- Oklahoma (OK)
- Oregon (OR)
- Pennsylvania (PA)
- Rhode Island (RI)
- South Carolina (SC)
- South Dakota (SD)
- Tennessee (TN)
- Utah (UT)
- Vermont (VT)
- Virginia (VA)
- Washington (WA)
- West Virginia (WV)
- Wisconsin (WI)
- Wyoming (WY)
- OTHER (not US or Mexico) (OT)

**SWCTY - SWCTY**

**SWLL - SW LAT and LON**
JOBHRSTOT - JOBHRSTOT

In total, how many hours per week do you USUALLY work at ALL your jobs/businesses combined?
Number of hours: (1) ________________________________ (1)

JOBHRSTOT_DK - JOBHRSTOT_DK

☐ Varies substantially from week to week (900)
☐ Don’t know (998)
☐ Prefer not to say (999)

INCOME_Range - INCOME_Range

What was "your" household’s total income during the PAST 12 MONTHS?
Please enter income as a number
$ (1) ________________________________ &nbsp;00 (1)

IntroGT - IntroGT

In this section, we will ask you about the trips made on any time you travel from one place to another, this is considered a trip.

For example, if drove from house to the mall or house to work, that would be a trip. If made a stop on way to work to put gas on car or buy coffee, that is also a trip. Driving from the gas station/coffee shop to work is a separate trip.

ODOMETER1 -

In the packet we sent, there was a form to record the odometer readings of the vehicle. Please enter the odometer readings below:
Thinking back to ^dateD1^.

At the beginning of the day, how many miles were on
^f('HVEHSpecYear')[f('ODOLoop').get()].get()^?
^f('HVEHSpecMake')[f('ODOLoop').get()].get()^?
^f('HVEHSpec')[f('ODOLoop').get()].get()^?

Number of miles (H1)
(1)

ODOMETER1DK -
☐ Don’t Know (98)
☐ Prefer not to say (99)

At the end of the day, how many miles were on
^f('HVEHSpecYear')[f('ODOLoop').get()].get()^?
^f('HVEHSpecMake')[f('ODOLoop').get()].get()^?
^f('HVEHSpec')[f('ODOLoop').get()].get()^?

Number of miles (H2)
(2)

ODOMETER2DK -
☐ Don’t Know (98)
☐ Prefer not to say (99)

GPSINSTALLATION

Please enter information about when you placed & removed the ^Number(f('tot_veh').get())>1 ? "GPS loggers in your household vehicles." : "GPS logger in your vehicle."^
GPS_DUMIN1 - DUM1

When did you place the GPS logger in your vehicle?

{ up: 'glyphicon glyphicon-chevron-up', down: 'glyphicon glyphicon-chevron-down' }  Date

Time

$('#timepicker1').timepicker({   defaultTime: false,   explicitMode: true,   minuteStep: 5  }); $(function() {   $('#datepicker1').datepicker({});

GPS_DUMIN2 - DUM2

When did you remove the GPS logger from your vehicle?

SPCINF2

DRYUSE - DRYUSE

^Proxytext('Were you able to use the memory jogger to keep track of your travel?','Was '+f('fname').get()+" able to use the memory jogger to keep track of his/her travel?'+'\")\n
The memory jogger was provided in the letter you received.

☐ Yes, I am using the memory jogger to fill out this survey (1)
☐ ^Proxytext('No, I did not fill out the memory jogger','No, he/she did not fill out the memory jogger') (2)

IntroTD - IntroTD

Now we'd like to find out how you spent your time on the travel day, from 3:00 a.m. in the morning until 3:00 a.m. the next day. We'll need to know where you were and how you got there.

Include all trips, no matter how short, whether you were traveling by car, bus, bike, walking or other means, or if you were traveling with another household. Even if your travel on the travel day is not typical, we still want to know about it. If you don't know if should include a trip, go ahead and record it.

Click 'Next' to continue.

STTRAVEL - STTRAVEL

^Proxytext("+"Let's begin. At 3 a.m. on +dateD1()+", where were you?"+","+"Let's begin. At 3 a.m. on +dateD1()+", where was "+f('fname').get()+"?"+")\n
☐ Home (3)
☐ At a location other than home (1)
☐ Traveling between locations (driving, walking, transit bus, etc.) (2)
D10_ORIGIN - D10_ORIGIN

^Proxytext("+" + Where were you at 3 a.m. on " + ToLongDt2(f('ASSN').get()) + ":" + Where was " + f('fname').get() + ") at 3 a.m. on " + ToLongDt2(f('ASSN').get()) + ":"

- Home (1)
- Primary workplace ^ - f('PWNAME')['1'].get() (2)
- Secondary workplace ^ - f('SWNAME')['1'].get() (3)
- Main School/ College (4)
- Some other location (99)

D10_D_NAME - D10_D_NAME

What is the NAME of this location?

Example: Grandma’s house, HEB grocery store, Library, etc.

D10_D_TYPE - D10_D_TYPE

How would you describe this location (^f('D10_D_NAME')^)?

- Residential (1)
- Residential Type Work Place (2)
- Construction Site (3)
- Transportation stop (Bus, Train) (4)
- Automotive Dealer/Repair (5)
- Bank/Financial Institution (6)
- Barber/Beauty/Nail Salon (7)
- Bookstore/News Stand (8)
- Convenience/Drug Store (9)
- Gov/City/County/State/Federal Offices (10)
- Offices (Non-Government) (11)
- Grocery (12)
- Health Club (13)
- Medical Facility/Hospital (14)
- Movie Theater/Cinema (15)
- Restaurant/Fast Food, Bar & Grill (16)
- Educational-12th Grade or lower (17)
- Educational-College, trade, etc. (18)
- Shopping Mall/Department Store (19)
- Convenience Store/Gas Station (20)
- Airport (21)
- Other (96)
- Don’t Know (98)
- Prefer not to say (99)

D10_D_TYPE_OTHER - D10_D_TYPE_OTHER

Please specify:
What is the ADDRESS of this location (^f('D10_D_NAME')^)?

*Please do not enter a P.O. Box address. If you are unsure of the exact address, you may enter the nearest cross streets.*

**D10_D_HTML - D10_D.HTML**

House No.
Street address
City
ZIP code
Country

**County:**
- Hidalgo (1)
- Cameron (2)
- Other county (3)

Please specify: &nbsp; (1) _________________________________

**D10STATE - Select..........................**

select option[value=TX] { font-weight: bold; }
- TEXAS (TX)
- MEXICO (not in US state) (MX)
- Alabama (AL)
- Alaska (AK)
- Arizona (AZ)
- Arkansas (AR)
- California (CA)
- Colorado (CO)
- Connecticut (CT)
- Delaware (DE)
- District of Columbia (DC)
- Florida (FL)
- Georgia (GA)
○ Hawaii (HI)
○ Idaho (ID)
○ Illinois (IL)
○ Indiana (IN)
○ Iowa (IA)
○ Kansas (KS)
○ Kentucky (KY)
○ Louisiana (LA)
○ Maine (ME)
○ Maryland (MD)
○ Massachusetts (MA)
○ Michigan (MI)
○ Minnesota (MN)
○ Mississippi (MS)
○ Missouri (MO)
○ Montana (MT)
○ Nebraska (NE)
○ Nevada (NV)
○ New Hampshire (NH)
○ New Jersey (NJ)
○ New Mexico (NM)
○ New York (NY)
○ North Carolina (NC)
○ North Dakota (ND)
○ Ohio (OH)
○ Oklahoma (OK)
○ Oregon (OR)
○ Pennsylvania (PA)
○ Rhode Island (RI)
○ South Carolina (SC)
○ South Dakota (SD)
○ Tennessee (TN)
○ Utah (UT)
○ Vermont (VT)
○ Virginia (VA)
○ Washington (WA)
○ West Virginia (WV)
○ Wisconsin (WI)
○ Wyoming (WY)
○ OTHER (not US or Mexico) (OT)

D10CITY - D10CITY
D10LL - D10 LAT and LON

D10COUNTRY - D10COUNTRY

D10ADDRZP - D10ADDRZP

INFO_DUM - DUM

```javascript
{ up: 'glyphicon glyphicon-chevron-up', down: 'glyphicon glyphicon-chevron-down' } Time
$('#timepicker1').timepicker({ defaultTime: false, explicitMode: true, minuteStep: 5 });
```

D10DEP_TIMEDNL - D10DEP_TIMEDNL - Did Not Leave

&nbsp;

 فلاً ^Proxytext('I',''f(fname).get()''^ did not leave this location. This was ^Proxytext('my',''f(fname).get()''s''^ last stop of the day. (2)

WNTRVL - WNTRVL

^Proxytext('"Please describe why you did not make any trips on "f(DOW).get()"."^"Please describe why "f(fname).get()" did not make any trips on "f(DOW).get()"."^"
Anytime you travel from one place to another, this is considered a trip. For example, driving from your house to the mall or from your house to work would be a trip. If you made a stop on your way to work to put gas on the car or buy coffee, that is also a trip. Driving from the gas station/coffee shop to work is another separate trip.

**DEST - DEST**

Where did you go next?

- Home (1)
- Primary workplace - + [f('PWNAME')[1].get()] (2)
- Secondary workplace - + [f('SWNAME')[1].get()] (3)
- Main School/College (4)
- [f('D_NAME',1).get()] (5)
- [f('D_NAME',2).get()] (6)
- [f('D_NAME',3).get()] (7)
- [f('D_NAME',4).get()] (8)
- [f('D_NAME',5).get()] (9)
- [f('D_NAME',6).get()] (10)
- [f('D_NAME',7).get()] (11)
- [f('D_NAME',8).get()] (12)
- [f('D_NAME',9).get()] (13)
- [f('D_NAME',10).get()] (14)
- [f('D_NAME',11).get()] (15)
- [f('D_NAME',12).get()] (16)
- [f('D_NAME',13).get()] (17)
- [f('D_NAME',14).get()] (18)
- [f('D_NAME',15).get()] (19)
- [f('D_NAME',16).get()] (20)
- [f('D_NAME',17).get()] (21)
- [f('D_NAME',18).get()] (22)
- [f('D_NAME',19).get()] (23)
- [f('D_NAME',20).get()] (24)
- [f('D_NAME',21).get()] (25)
- Some other location (99)

**D_NAME - D_NAME**

What is the NAME of this location?

*Example: Grandma's house, HEB grocery store, Library, etc.*
D_TYPE - Select

How would you describe this location (^f('D_NAME')^)?

- Residential (1)
- Residential Type Work Place (2)
- Construction Site (3)
- Transportation stop (Bus, Train) (4)
- Automotive Dealer/Repair (5)
- Bank/Financial Institution (6)
- Barber/Beauty/Nail Salon (7)
- Bookstore/News Stand (8)
- Convenience/Drug Store (9)
- Gov/City/County/State/Federal Offices (10)
- Offices (Non-Government) (11)
- Grocery (12)
- Health Club (13)
- Medical Facility/Hospital (14)
- Movie Theater/Cinema (15)
- Restaurant/Fast Food, Bar & Grill (16)
- Educational-12th Grade or lower (17)
- Educational-College, trade, etc. (18)
- Shopping Mall/Department Store (19)
- Convenience Store/Gas Station (20)
- Airport (21)
- Other (96)
- Don’t Know (98)
- Prefer not to say (99)

D_TYPE_OTHER - D_TYPE_OTHER

Please Specify:


D1 - Di

What is the ADDRESS of this location (^f('D_NAME')^)?

*Please do not enter a P.O. Box address. If you are unsure of the exact address, you may enter the nearest cross streets.*

House No.
Street address
City
ZIP code
Country

State
Hidalgo (1)
Cameron (2)
Other county (3)

DCOUNTY_Other - DCOUNTY_Other

Please specify: (1) ____________________________

DSTATE - Select........................................

select option[value=TX] / font-weight: bold /

- Texas (TX)
- MEXICO (not in US state) (MX)
- Alabama (AL)
- Alaska (AK)
- Arizona (AZ)
- Arkansas (AR)
- California (CA)
- Colorado (CO)
- Connecticut (CT)
- Delaware (DE)
- District of Columbia (DC)
- Florida (FL)
- Georgia (GA)
- Hawaii (HI)
- Idaho (ID)
- Illinois (IL)
- Indiana (IN)
- Iowa (IA)
- Kansas (KS)
- Kentucky (KY)
- Louisiana (LA)
- Maine (ME)
- Maryland (MD)
- Massachusetts (MA)
- Michigan (MI)
- Minnesota (MN)
- Mississippi (MS)
- Missouri (MO)
- Montana (MT)
- Nebraska (NE)
- Nevada (NV)
- New Hampshire (NH)
- New Jersey (NJ)
- New Mexico (NM)
- New York (NY)
- North Carolina (NC)
- North Dakota (ND)
- Ohio (OH)
- Oklahoma (OK)
- Oregon (OR)
- Pennsylvania (PA)
- Rhode Island (RI)
- South Carolina (SC)
- South Dakota (SD)
- Tennessee (TN)
- Utah (UT)
- Vermont (VT)
- Virginia (VA)
- Washington (WA)
- West Virginia (WV)
- Wisconsin (WI)
- Wyoming (WY)
- OTHER (not US or Mexico) (OT)

DCITY - DCTTY

DLAT - D LAT and LON

DCOUNTRY - D COUNTRY

DADDRZP - DADDRZP
ARR_TIMEi -
^pipingDEST()^ What time did ^Proxytext('you',''+f('fname').get()+'')^ ARRIVE at this location (^f('Hid_LOCTM')[2]?)?

ARR_TIMEDUM - DUM

{ up: 'glyphicon glyphicon-chevron-up', down: 'glyphicon glyphicon-chevron-down' } Time

$('#timepicker1').timepicker({ defaultTime: false, explicitMode: true, minuteStep: 5 }); $(function() {
  $('#datepicker1').datepicker({});
});

DEP_TIMEi -
^Proxytext('You',''+f('fname').get()+'')^ arrived at ^f('Hid_LOCTM')[2]^ at ^f('hid_Arr_Time1'). What time did ^Proxytext('you',''+f('fname').get()+'')^ leave this location (^f('Hid_LOCTM')[2]^)? #DEP_TIME_0 {display: none} #DEP_TIME_3 {display: none}

DEP_TIMEDNL - DUM

DEP_TIMEDNL - DEP_TIMEDNL - Did Not Leave

&amp;

❑ ^Proxytext('T',''+f('fname').get()+'')^ did not leave this location. This was ^Proxytext('my',''+f('fname').get()+'')^ last stop of the day. (2)

TripDetailsInfo

Details of trips Trip 1: ^f('HADD')^ ^f('HSUIT')^ ^f('HCITY')^ ^f('HSTAT')^
Start date and Time of trip ^f('ASSN')^ End date and time of trip
Purpose of trip : NA Travel by : NA Travel time: NA
^PIPTRIP()^}

IntroSL - IntroSL

The following questions ask for a few more details about the trips you made on ^f('DOW').get()^.

#sidebar-wrapper{pointer-events: none; }
**ACTIVITY - Select**

Location Number:\( ^{f('DiaryLoop2').get()} ^\text{Location}:^{f('Hid\_LOCTM',f('DiaryLoop2').get())[\text{'2'}]} ^\text{Arrival Time}:^{^\text{PIPED1A}()} ^\text{Departure Time}:^{^\text{PIPED2A}()} ^\text{Proxytext('What was your PRIMARY activity at ' + f('Hid\_LOCTM',f('DiaryLoop2').get())[\text{'2'}] + '?','What was ' +f('fname').get()+ 's PRIMARY activity at ' + f('Hid\_LOCTM',f('DiaryLoop2').get())[\text{'2'}] + '?')} ^\text{\$\text{(document).ready(function(){ $\text{\".temp-br\"}.remove() })}}

- At Home; non-job related (2)
- At Home; primary job related (1)
- At Home; job and non-job related (3)
- Work (4)
- Work Related (work performed at location other than workplace) (5)
- School post secondary, college, trade (6)
- School secondary-day care, kinder, elementary, middle, high (7)
- Incidental Shopping; gas, groceries, etc. (8)
- Major Shopping; clothes, appliances, etc. (9)
- Banking (10)
- Personal Business; laundry, dry cleaning, barber, medical, etc. (11)
- Other Services (12)
- Social/Recreational (13)
- Eat Out (14)
- Civic Activities (including church) (15)
- Pick-up/Drop-off Person at Work (16)
- Pick-up/Drop-off Person at School/Day Care (17)
- Pick-up/Drop-off Person at Other (18)
- Change Mode of Travel (19)
- Other Activity (96)
- Don’t Know (98)
- Prefer not to say (99)

**ACTIVITY\_OTHER - ACTIVITY\_OTHER**

Other Activity, please specify:

**TRP\_MODE - Select**

\( ^\text{Proxytext('What type of transportation did you use to go to ' + f('Hid\_LOCTM',f('DiaryLoop2').get())[\text{'2'}] + '?','What type of transportation did ' +f('fname').get()+ ' use to go to ' + f('Hid\_LOCTM',f('DiaryLoop2').get())[\text{'2'}] + '?')} ^\text{\$\text{(document).ready(function(){ $\text{\".temp-br\"}.remove() })}}

- Driver (h1)
- Auto/Van/Truck Driver (2)
- Motorcycle/Moped (16)
- Carpool Driver (4)
- Vanpool Driver (6)
- Commercial Service Vehicle Driver (8)
- Commercial Cargo Transport Vehicle Driver (10)
- Passenger (h2)
Auto/Van/Truck Passenger (3)
Carpool Passenger (5)
Vanpool Passenger (7)
Commercial Service Vehicle Passenger (9)
Commercial Cargo Transport Vehicle Passenger (11)
Bus (12)
School Bus (13)
Taxi/Paid Limo (14)
Non-Motorized (h3)
Walk (1)
Bicycle (15)
Other (96)
Don't know (98)
Prefer not to say (99)

TRP_MODE_OTHER - TRP_MODE_OTHER
Other Mode, please specify:

TRP_ROST - TRP_ROST
Location Number:^f('DiaryLoop2').get()^Location:^f('Hid_LOCTM',f('DiaryLoop2').get())[2]^Arrival Time: ^PIPED1A()^Departure Time: ^PIPED2A()
^f('Hid_TRP_ROST')^
Count ^Proxytext('yourself',''+f('fname').get()+'')^ and everyone who accompanied ^Proxytext('you',''+f('fname').get()+''), for instance another household member, another family member, a friend, or a coworker.

TRP_ROST_DK

Not applicable (96)
Don’t know (98)
Prefer not to say (99)

EXIT - EXIT
Location Number:^f('DiaryLoop2').get()^Location:^f('Hid_LOCTM',f('DiaryLoop2').get())[2]^Arrival Time: ^PIPED1A()^Departure Time: ^PIPED2A()
^Proxytext('What highway/route/road did you use to exit the Rio Grande Valley area?','What highway/route/road did ' + f('fname').get() + ' use to exit the Rio Grande Valley area?')^
For example, US-77

EXIT_DK - EXIT_DK

☐ Don’t know (98)
☐ Prefer not to say (99)

HH_MMBRS - HH_MMBRS

Location Number:^f('DiaryLoop2').get()^Location:^f('Hid_LOCTM',f('DiaryLoop2').get())[2]^[Arrival Time: ^PIPED1A()^Departure Time: ^PIPED2A()^ Proxytext('Did any of the following household members accompany you on your trip?" +"Did any of the following household members accompany "+f('fname').get() +" on his/her trip?" +")

Check all that apply

☐ ^f('HNAME')[1].get() (1)
☐ ^f('HNAME')[8].get() (8)
☐ ^f('HNAME')[2].get() (2)
☐ ^f('HNAME')[9].get() (9)
☐ ^f('HNAME')[3].get() (3)
☐ ^f('HNAME')[10].get() (10)
☐ ^f('HNAME')[4].get() (4)  ○ Was not accompanied by any household member(s) (111)
☐ ^f('HNAME')[5].get() (5)  ○ Don’t know (98)
☐ ^f('HNAME')[6].get() (6)  ○ Prefer not to say (99)
☐ ^f('HNAME')[7].get() (7)

HH_VEH_USED - HH_VEH_USED

Location Number:^f('DiaryLoop2').get()^Location:^f('Hid_LOCTM',f('DiaryLoop2').get())[2]^[Arrival Time: ^PIPED1A()^Departure Time: ^PIPED2A()^

Which of your household’s vehicles was used for this trip to ^f('HIDDNAME')^[f('DiaryLoop2').get()]^?

☐ ^f('HVEHSpecYear_1')^ ^f('HVEHSpecMake_1')^ ^f('HVEHSpec_1')^ (1)
☐ ^f('HVEHSpecYear_2')^ ^f('HVEHSpecMake_2')^ ^f('HVEHSpec_2')^ (2)
☐ ^f('HVEHSpecYear_3')^ ^f('HVEHSpecMake_3')^ ^f('HVEHSpec_3')^ (3)
☐ ^f('HVEHSpecYear_4')^ ^f('HVEHSpecMake_4')^ ^f('HVEHSpec_4')^ (4)
☐ ^f('HVEHSpecYear_5')^ ^f('HVEHSpecMake_5')^ ^f('HVEHSpec_5')^ (5)
☐ ^f('HVEHSpecYear_6')^ ^f('HVEHSpecMake_6')^ ^f('HVEHSpec_6')^ (6)
☐ ^f('HVEHSpecYear_7')^ ^f('HVEHSpecMake_7')^ ^f('HVEHSpec_7')^ (7)
☐ ^f('HVEHSpecYear_8')^ ^f('HVEHSpecMake_8')^ ^f('HVEHSpec_8')^ (8)
☐ ^f('HVEHSpecYear_9')^ ^f('HVEHSpecMake_9')^ ^f('HVEHSpec_9')^ (9)
☐ ^f('HVEHSpecYear_10')^ ^f('HVEHSpecMake_10')^ ^f('HVEHSpec_10')^ (10)
☐ Did NOT use a household vehicle (96)
☐ Don’t know (98)
☐ Prefer not to say (99)
You indicated a non-household vehicle was used during this trip to \( \text{HIDDNAME} \). Please specify the make of the vehicle used on this trip to \( \text{HIDDNAME} \)?
Please specify the make of the vehicle used on this trip:
O_VEHMOD - O_VEHMOD
Please specify the model of the vehicle used on this trip:

Model: (1) __________________________

O_VEHMY - O_VEHMY
Please specify the manufacturing year of the vehicle used on this trip:

Model Year (YYYY): (1) __________________________

O_VEHTYPE - [Select]
Please specify type for the vehicle used on this trip.

- Motorcycle (includes mopeds) (1)
- Car (includes station wagons) (2)
- Van (mini and passenger) (3)
- Sport Utility Vehicle (4)
- Pickup Truck (5)
- Cargo Transport Vehicle (a vehicle used to carry commercial goods and cargo) (6)
- Service Vehicle (like those used by plumbers, electricians, or telephone/cable repair men) (7)
- Something else (96)
- Don’t know (98)
- Prefer not to say (99)

O_VEHTYPE_OTHER - O_VEHTYPE_OTHER
Please specify the type for the vehicle used on this trip:

(1) __________________________

O_VEHFUEL - [Select]
Please specify fuel type for the vehicle used on this trip.

- Gasoline (1)
- Diesel (2)
- Propane (3)
- Natural gas (4)
- Electricity (5)
- Gas/ Electric Hybrid (6)
- Something else (96)
- Don’t know (98)
- Prefer not to say (99)
Please specify the fuel type for the vehicle used on this trip:
(1) __________________________

Is ^f('O_VEHMY_1')^ ^f('O_VEHMAKE').any('78','79','96')?f('O_VEHMAKE_OTHER').get():f('O_VEHMAKE')^ ^f('O_VEHMOD_1')^ 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.

This includes delivery drivers, but not someone (example: traveling salesperson) who uses their personal vehicle for business travel."

○ Yes (1)
○ No (2)
○ Don’t know (98)
○ Prefer not to say (99)

How is ^f('O_VEHMY_1')^ ^f('O_VEHMAKE').any('78','79','96')?f('O_VEHMAKE_OTHER').get():f('O_VEHMAKE')^ ^f('O_VEHMOD_1')^ used for commercial or business purposes?

Is it used for cargo delivery, commercial service or both?

○ Cargo delivery (1)
○ Commercial Service (2)
○ Cargo Delivery and Commercial Service (3)
○ Something else (96)
○ Don’t know (98)
○ Prefer not to say (99)
Please specify how \f('O_VEHMAKE').any('78','79','96')\f('O_VEHMAKE_OTHER').get();\f('O_VEHMAKE')\f('O_VEHMOD_1')\f('O_VEHMY_1') is used for commercial or business purposes:

(1) ________________________

TO_BUSSTOP - TO_BUSSTOP

Location Number:^f('DiaryLoop2').get()^Location:^f('Hid_LOCTM',f('DiaryLoop2').get())[2]^Arrival Time: ^PIPED1A()^Departure Time: ^PIPED2A()^

^Proxytext('You indicated you took a bus as part of this trip to ' + f('HIDDNAME')[f('DiaryLoop2').get()] + '.

To board the bus, did you walk a block or more to the bus stop/boarding location?','You indicated that ' + f('fname').get() + ' took a bus as part of this trip to ' + f('HIDDNAME')[f('DiaryLoop2').get()] + '.

To board the bus, did ' + f('fname').get() + ' walk a block or more to the bus stop/boarding location?')

☐ Yes (1)
☐ No (2)
☐ Don’t know (98)
☐ Prefer not to say (99)

OFF_BUS - OFF_BUS

^Proxytext('Was the bus stop where you got off within one block of the destination address?','Was the bus stop where ' + f('fname').get() + ' got off within one block of the destination address?')

☐ Yes (1)
☐ No (2)
☐ Prefer not to say (99)

BADD - BADD

Bi - Bi

Location Number:^f('DiaryLoop2').get()^Location:^f('Hid_LOCTM',f('DiaryLoop2').get())[2]^Arrival Time: ^PIPED1A()^Departure Time: ^PIPED2A()^

Where is the bus stop/location where ^Proxytext('you',''+f('fname').get()+') got off the bus?

OFF_BUS2_HTML - OFF_BUS2_HTML

House No. 
Street address
City State
ZIP code
Country

```javascript
var placeSearch, autocomplete;
var componentForm = {
  street_number: 'short_name',
  route: 'long_name',
  locality: 'long_name',
  administrative_area_level_1: 'short_name',
  country: 'long_name',
  postal_code: 'short_name'
};
function fillInAddress() {
  var isStreetNumber = false;
  var place = autocomplete.getPlace();
  document.getElementById("latitude").value = place.geometry.location.lat() + "," + place.geometry.location.lng();
  for (var i = 0; i
```

❑ Don’t know (98)
❑ Prefer not to say (99)

**BCITY - BCITY**

**BLI - B LAT and LON**

**BCOUNTRY - BCOUNTRY**
PRK - PRK
Location Number:^f('DiaryLoop2').get()^Location:^f('Hid_LOCTM',f('DiaryLoop2').get())[2]^Arrival Time: ^PIPED1A(^Departure Time: ^PIPED2A(^

^f('TRP_MODE').any('2','16','4','6','8','10')?Proxytext('Did you park the vehicle when you arrived at ' + f('HIDDNAME')[f('DiaryLoop2').get()] + '?','Did ' + f('fname').get() + ' park the vehicle when you arrived at ' + f('HIDDNAME')[f('DiaryLoop2').get()] + '?') : Proxytext('Did the driver park the vehicle when you arrived at ' + f('HIDDNAME')[f('DiaryLoop2').get()] + '?','Did the driver park the vehicle when you arrived at ' + f('HIDDNAME')[f('DiaryLoop2').get()] + '?')

☐ Yes (1)
☐ No (2)
☐ Prefer not to say (99)

PRK_LOC - PRK_LOC
Location Number:^f('DiaryLoop2').get()^Location:^f('Hid_LOCTM',f('DiaryLoop2').get())[2]^Arrival Time: ^PIPED1A(^Departure Time: ^PIPED2A(^

Was the vehicle parked within one block of the destination address?

☐ Yes (1)
☐ No (2)
☐ Prefer not to say (99)

PAY_PRK - PAY_PRK
^f('TRP_MODE').any('2','16','4','6','8','10')?Proxytext('Did you pay for parking at ' + f('HIDDNAME')[f('DiaryLoop2').get()] + '?','Did ' + f('fname').get() + ' pay for parking at ' + f('HIDDNAME')[f('DiaryLoop2').get()] + '?') : Proxytext('Did the driver pay for parking at ' + f('HIDDNAME')[f('DiaryLoop2').get()] + '?','Did the driver pay for parking at ' + f('HIDDNAME')[f('DiaryLoop2').get()] + '?')

☐ Yes (1)
☐ No (2)
☐ Don’t Know (98)
☐ Prefer not to say (99)
PADD - PADD

_Location Number:_

Location Number:^f('DiaryLoop2').get()^Location:^f('Hid_LOCTM',f('DiaryLoop2').get())[2]^Arrival Time: ^PIPED1A()^Departure Time: ^PIPED2A()^

^f('Hid_PRK_LOC2_Qtxt')^

_PADD - PADD_

 LOC2_HTML - PRK_LOC2_HTML

House No.
Street address
City
ZIP code
Country

_PRK_LOC2_Script - PRK_LOC2_Script_

var placeSearch, autocomplete;
var componentForm = {
    street_number: 'short_name',
    route: 'long_name',
    locality: 'long_name',
    administrative_area_level_1: 'short_name',
    country: 'long_name',
    postal_code: 'short_name'
};

function fillInAddress() {
    var isStreetNumber = false;
    var place = autocomplete.getPlace();
    document.getElementById("latitude").value = place.geometry.location.lat() + "," + place.geometry.location.lng();
    for (var i = 0; i

_PKR_LOC2_punchScript - PRK_LOC2_punchScript_

var Qid="P"; $("document").ready(function() {
    $('#route').val($("#ADD") + Qid + "ADD").val();
    $('#locality').val($("#CITY") + Qid + "CITY").val();
    $('#administrative_area_level_1').val($("#STAT") + Qid + "STAT").val();
    $('#postal_code').val($("ADDRZP") + Qid + "ADDRZP").val();
    $('#country').val($("COUNTRY") + Qid + "COUNTRY").val();
    });

    $('#route').keyup(function() {
        PushValues();
    });

    function PushValues() {
        $("ADD") = $("route").val();
        $("CITY") = $("locality").val();
        $("ADDRZP") = $("postal_code").val();
        $("COUNTRY") = $("country").val();
        $("latitude") = $("latitude").val();
    }

#fieldset_PSUITE,#fieldset_PADD,#fieldset_P_CITY,#fieldset_PLL,#fieldset_ADDRZP,#fieldset_P_COUNTRY,#PS UITE_text,#PADD_text,#PCITY_text,#PLL_text,#PADDDZP_text,#P_COUNTRY_text { display:none; }

_PRK_LOC2_DK - PRK_LOC2_DK_

☐ Don’t know (98)
☐ Prefer not to say (99)
Location Number:^f('DiaryLoop2').get()^Location:^f('Hid_LOCTM',f('DiaryLoop2').get())[2]^Arrival Time: ^PIPED1A()^Departure Time: ^PIPED2A()^

^f('TRP_MODE').any('2','16','4','6','8','10')?Proxytext('How much did you pay for parking at '+f('HIDDNAME')[f('DiaryLoop2').get()]+'?',How much did '+f('fname').get()+' pay for parking at '+f('HIDDNAME')[f('DiaryLoop2').get()]+'?') : Proxytext('How much did the driver pay for parking at '+f('HIDDNAME')[f('DiaryLoop2').get()]+'?','How much did the driver pay for parking at '+f('HIDDNAME')[f('DiaryLoop2').get()]+'?')^      

Enter the amount paid for parking in dollars and cents. For example 2.50 for 2 dollars and 50 cents.

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>$</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Don't know (98)
Prefer not to say (99)
How many people came to your home on the assigned travel day, ^dateD1()^?

This includes everyone who made a visit: friends, delivery persons, carpenters, repair technicians, lawn maintenance personnel, caretakers, baby sitters, etc.

VISITORS - VISITORS

1. ________________________________

VISITORS_DK - VISITORS_DK

- None (97)
- Don’t know (98)
- Prefer not to say (99)

NIGHTVSTRSi - NIGHTVSTRSi

How many visitors are staying/stayed at your home overnight, from ^dateD1()^ to ^dateD2()^?

NIGHTVSTRS - NIGHTVSTRS

1. ________________________________

NIGHTVSTRS_DK - NIGHTVSTRS_DK

- None (2)
- Don’t know (98)
Prefer not to say (99)

**VEHUSENONHH - VEHUSENONHH**

Did anyone who does not live at your address use the vehicle that is available to your household? one or more of the vehicles that are available to your household?

- Yes (1)
- No (2)
- Zero vehicle household (3)
- Don’t Know (98)
- Prefer not to say (99)

**NON_HH_USE - NON_HH_USE**

Which of the following vehicles were used by non-household members?

<table>
<thead>
<tr>
<th>Used by non-household member (1)</th>
<th>Not used by non-household member (2)</th>
<th>Don’t know (98)</th>
<th>Prefer not to say (99)</th>
</tr>
</thead>
<tbody>
<tr>
<td>f('HVEHSpecYear_1') f('HVEHSpecMake_1') f('HVEHSpec_1') (1)</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>f('HVEHSpecYear_2') f('HVEHSpecMake_2') f('HVEHSpec_2') (2)</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>f('HVEHSpecYear_3') f('HVEHSpecMake_3') f('HVEHSpec_3') (3)</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>f('HVEHSpecYear_4') f('HVEHSpecMake_4') f('HVEHSpec_4') (4)</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>f('HVEHSpecYear_5') f('HVEHSpecMake_5') f('HVEHSpec_5') (5)</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>f('HVEHSpecYear_6') f('HVEHSpecMake_6') f('HVEHSpec_6') (6)</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>f('HVEHSpecYear_7') f('HVEHSpecMake_7') f('HVEHSpec_7') (7)</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>f('HVEHSpecYear_8') f('HVEHSpecMake_8') f('HVEHSpec_8') (8)</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>f('HVEHSpecYear_9') f('HVEHSpecMake_9') f('HVEHSpec_9') (9)</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>f('HVEHSpecYear_10') f('HVEHSpecMake_10') (10)</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
</tbody>
</table>
ENDSURVEY - ENDSURVEY

Thank you. You have now completed the entire travel day of your travel diary. For our last question, we would like to know about your experience completing this survey.

We welcome any suggestions or comments about how we can make this survey experience better.

After providing your feedback, click on the "Next Page" button to submit your survey.

If you have any questions, please contact us at:
Toll Free: 1-866-898-6382
Email: RGVTravelStudy@abtassoc.com
Website: www.rgvtravelstudy.org
APPENDIX F: Paper Travel Journal
PART A

HOUSEHOLD

ACTIVITY/TRAVEL SURVEY
Who is filling out this travel journal?

*Fill in name or initials: ____________________________*

*NOTE: If you are filling out this survey for someone else, please answer for the person named on the cover of the survey.*

Q.1 How many days did you ride a bike during the past week?

*Number of days per week (0-7):_____*

Don’t know

Prefer not to say

Q.2 If you rode a bike, what was your most common purpose for riding a bike in the past week?

Work

School

Shopping

Visiting

Recreation/Exercise

Other, please specify: ____________________________

Don’t know
Next, we would like to know how often you travel to the following areas within Texas:

Q.3  To Austin-San Antonio from the Rio Grande Valley?

Never

1 to 2 times per year

1 to 2 times every 6 months

1 to 2 times every 3 months

1 or more times every month

1 or more times every week

Prefer not to say

Q.4  To Dallas-Ft. Worth from the Rio Grande Valley?

Never

1 to 2 times per year

1 to 2 times every 6 months

1 to 2 times every 3 months

1 or more times every month

1 or more times every week

Prefer not to say
Q.5   To Houston from the Rio Grande Valley?

   Never

   1 to 2 times per year

   1 to 2 times every 6 months

   1 to 2 times every 3 months

   1 or more times every month

   1 or more times every week

   Prefer not to say

Next, we would like to know if you would ride passenger rail service to travel within Texas.

Q.6   I would ride passenger rail service to Austin-San Antonio.

   Yes

   No

   Possibly

   Prefer not to say

Q.7   I would ride passenger rail service to Dallas-Ft. Worth.

   Yes

   No

   Possibly
Q.8 I would ride passenger rail service to Houston.

Yes

No

Possibly

Prefer not to say

Q.9 As of today, are you a student enrolled in school or college? *This includes nursery school, preschool, kindergarten, grade 1 through 12, college and vocational school*

Yes

No  [GO TO Q.13]

Prefer not to say
Q.10  What grade or equivalent are you currently attending?

*Graduate school includes MA or PhD programs, medical and law schools.*

- Nursery school, preschool
- Kindergarten
- Grade 1 through 12
- College undergraduate (freshman to senior)
- Graduate or professional school
- Vocational or technical school
- Other, please specify: ________________________
- Don’t know
- Prefer not to say

Q.11  How many total classroom hours are you currently enrolled in for your program?

*Include both online classes and the hours where you physically go to the location of your school/college.*

Total classroom hours: _____

- Don’t know
- Prefer not to say

Q12. What is the address of the school you attend?
Street Address (be as specific as possible)

[ ] [ ] [ ]
City State Zip Code

**Q.13** As of today do you have a job (either full time or part time), volunteer, or own a business/farm/ranch?

*Include any job from which you are temporarily absent, such as on vacation or maternity/paternity leave.*

Yes

No [GO TO Q.15]

Retired [GO TO Q.15]

Disabled and unable to work [GO TO Q.15]

Not employed other, please specify:__________________ [GO TO Q.15]

Prefer not to say

**Q.14** How many days a week do you usually work?
Number of days per week (0-7):_____

Don’t know

Prefer not to say

IF YOU WORK 1 OR MORE DAYS PER WEEK, PLEASE GO TO Q16

Q.15 Have you been or will you be looking for work this week?

Yes

No [GO TO Q.34]

Don’t know [GO TO Q.34]

Prefer not to say [GO TO Q.34]

Q.16 As of today, do you have more than one job or business, including part time, evening or weekend work?

Yes

No

Don’t know

Prefer not to say

Q.17 Which statement best describes your main employment?

Self-employed where you own your own business or farm/ranch

Employed by a person, business or organization
Q.18  What kind of work do you do in your main job, that is, what is your occupation

*Occupation: a set of activities or tasks that employees are paid to perform*

- Management, professional, and related occupations
- Service occupations
- Sales and office occupations
- Farming, fishing, and forestry occupations
- Construction, extraction, and maintenance occupations
- Production, transportation, and material moving occupations
- Other/Not applicable (unemployed/student/retired)
  - Don’t know
  - Prefer not to say

Q.19  What kind of business or industry is your main job? *Industry is defined as the type of activities an enterprise (a private firm, government, or nonprofit organization) performs.*

- Agriculture, forestry, fishing and hunting, mining
- Construction
Manufacturing

Wholesale trade

Retail trade

Transportation, warehousing, utilities

Information Technology

Finance, insurance, real estate, rental and leasing

Professional, scientific, management, administrative, and waste management services

Education, health, and social services

Arts, entertainment, recreation, accommodation, and food services

Other services (except public administration)

Public Administration

Don’t know

Prefer not to say

Q.20 How many hours per week do you USUALLY work at your main job/business?

Number of Hours: __________

Varies substantially from week to week

Don’t know

Prefer not to say

Q.21 Do you have flexible work hours at your main job that allow you to vary or make changes in the time you begin and end work?
Q.22 As part of your main job/business do you usually perform any of your work at home?

Yes
No

Don’t know
Prefer not to say

Q.23 How many days a week do you usually work at home for your main job or business?

Number of days per week (0-7): __________

Don’t know
Prefer not to say

Q.24 While some workers conduct their work at an office or other workplace, others work from home. Do you usually work/run your business from home or some other location?
Q.25 Which of the following best describes your main workplace?

- Office (Non-government)
- Office (Government)
- Retail/Shopping/Gas
- Industrial/Manufacturing/Warehouse
- Medical
- Education – Day Care/K-12
- Education – College, trade school, other
- Residential
- Airport
- Eating Establishment

Other, please specify: __________________

Don’t know

Prefer not to say

Q26. What is the address of your main job?
Street Address (be as specific as possible)

City  State  Zip Code

IF YOU DO NOT HAVE A SECONDARY JOB/BUSINESS, GO TO Q.33
Q.27 Which statement best describes your secondary employment?

Self-employed where you own your own business or farm/ranch

Employed by a person, business or organization

Prefer not to say

Q.28 What kind of work do you do in your secondary job, that is, what is your occupation?

Occupation is a set of activities or tasks that employees are paid to perform.

Management, professional, and related occupations

Service occupations

Sales and office occupations

Farming, fishing, and forestry occupations

Construction, extraction, and maintenance occupations

Production, transportation, and material moving occupations

Other/Not applicable (unemployed/student/retired)

Don’t know

Prefer not to say

Q.29 What kind of business or industry is your secondary job? Industry is defined as the type of activities an enterprise (a private firm, government, or nonprofit organization) performs.
Agriculture, forestry, fishing and hunting, mining

Construction

Manufacturing

Wholesale trade

Retail trade

Transportation, warehousing, utilities

Information Technology

Finance, insurance, real estate, rental and leasing

Professional, scientific, management, administrative, and waste management services

Education, health, and social services

Arts, entertainment, recreation, accommodation, and food services

Other services (except public administration)

Public Administration

Don’t know

Prefer not to say

Q.30 How many hours per week do you USUALLY work at your secondary job/business?

Number of Hours: __________

Varies from week to week

Don’t know
Q.31 Which of the following best describes your secondary workplace? Is it a...

Office (Non-government)
Office (Government)
Retail/Shopping/Gas
Industrial/Manufacturing/Warehouse
Medical
Education – Day Care/K-12
Education – College, trade school, other
Residential
Airport
Eating Establishment
Other, please specify: __________________
Don’t know
Prefer not to say

Q.32 What is the address of your secondary job?

_____________________________________
Street Address (be as specific as possible)
Q.33  In total, how many hours per week do you USUALLY work at ALL your jobs/businesses combined?

Number of Hours: __________

Varies from week to week

Don’t know

Prefer not to say

IF YOU ARE NOT <FNAME_1>,

PLEASE GO TO PART B OF THE SURVEY.

Q.34  How many people came to your home on the assigned travel day? *This includes everyone who made a visit: friends, delivery persons, carpenters, repair technicians, lawn maintenance personnel, caretakers, baby sitters, etc.*

Number of visitors: __________

None

Don’t know

Prefer not to say
Q.35 How many visitors are staying/stayed at your home overnight on your travel day?

Number of visitors: __________

☐ None
☐ Don’t know
☐ Prefer not to say

Q.36 Did anyone who does not live at your address use one or more of the vehicles that are available to your household on your travel day?

☐ Yes
☐ No
☐ Zero-vehicle household
☐ Don’t know
☐ Prefer not to answer

IF VEHICLE USED BY NON-HOUSEHOLD MEMBER:

Q.37 Which of your vehicles were used by non-household members?

<table>
<thead>
<tr>
<th>Make</th>
<th>Model</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ford</td>
<td>Mustang</td>
<td>2013</td>
</tr>
</tbody>
</table>


Q.38 As part of your travel diary, we would like you to write down what the mileage for each of the household’s vehicles was at the start and end of the travel day. Your travel day starts at 3 a.m. on your travel day and ends at 3 a.m the next day. Please note that some vehicles have two odometers available; one that measures the mileage over the life of the vehicle, and a second odometer that can be reset (also known as “trip odometer”). For the purpose of this study, we are only interested in the odometer that displays the vehicle’s lifetime mileage (rounded to the nearest mile) before and after the 24-hour travel period.

<table>
<thead>
<tr>
<th>Make</th>
<th>Model</th>
<th>Year</th>
<th>Mileage at beginning of day</th>
<th>Mileage at end of day</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ford</td>
<td>Mustang</td>
<td>2013</td>
<td>20,856</td>
<td>20,877</td>
</tr>
</tbody>
</table>

Q.39 What was your household’s total income during the PAST 12 MONTHS? Please enter income as a number

Total household income: ______________

THANK YOU! PART A IS NOW COMPLETE.
PLEASE GO TO PART B OF THE SURVEY TO PROVIDE INFORMATION ON THE TRIPS YOU MADE ON YOUR TRAVEL DAY.
PART B

Q.1 Are you using the memory jogger to fill out the travel information?

☐ Yes
☐ No

Q.2 At 3:00 AM on <ASSN>, were you...?

☐ At Home [GO TO Q.9]
☐ Traveling between places at 3:00 AM [GO TO Q.3]
☐ At Another Location [Please specify below, then go to Q.9]

What is the Name of this Location?

What Type of Place/Business is this?

Street Address (be as specific as possible)

City  State  Zip Code

County

&

Nearest Intersecting Streets
ONLY IF YOU WERE TRAVELING AT 3:00 AM

Q.3 What type of transportation were you using?

☐ Auto, van, truck
☐ Motorcycle or moped
☐ Carpool
☐ Vanpool
☐ Commercial Service Vehicle
☐ Bus
☐ School Bus
☐ Taxi/Paid Limo
☐ Walk [GO TO Q9]
☐ Bicycle
☐ Other, (specify): ______________________
☐ Don’t know

•

• Q.4 Were you the...?

•

☐ Driver
☐ Passenger

• Q.5 Including yourself, how many TOTAL people were in the vehicle?

•

•

• Q.6 Including yourself, how many people from YOUR HOUSEHOLD were in the vehicle?

•

•

Q.7 Please indicate the following about the vehicle:

________________________________

Make/Model

__________

Year

Q.8 Was this your household’s vehicle?

☐ Yes
☐ No
Q.9  At what time did you leave your starting location?

   Hour must be a number between 1 and 12, and minutes must be a number between 00 and 59.

   Time left location:_________ □ A.M □ P.M

□ I did not leave this location. Please describe why you did not make any trips on your travel day.

______________________________________________________________________

______________________________________________________________________

______________________________________________________________________

IF YOU LEFT THIS LOCATION, PLEASE CONTINUE TO THE QUESTIONS ABOUT LOCATION 1.
IF YOU DID NOT LEAVE THIS LOCATION, PART B IS NOW COMPLETE.
TELL US ABOUT THE NEXT LOCATION YOU WENT TO:

Q.1 What is the NAME of this location?

__________________________________

Q.2 What is the ADDRESS of this location?

Street Address OR Cross Streets

City State Zip Code

Q.3 In what county is this location located?
☐ Hidalgo [GO TO Q.6]
☐ Cameron [GO TO Q.6]
☐ Other county in Texas (not Cameron or Hidalgo) [GO TO Q.5]
☐ Outside Texas [GO TO Q.4]

IF YOU TRAVELED OUTSIDE OF TEXAS:

Q.4 Is this location located in Mexico?
☐ Yes
☐ No

IF YOU TRAVELED TO A LOCATION OUTSIDE OF HIDALGO OR CAMERON COUNTY:

Q.5 What highway/route/road did you use to exit the Rio Grande Valley area? 

For example, US-77.

☐ Don’t know
☐ Prefer not to say
Q.6 How would you describe this location?
For example: residential, retail, gym, gas station, etc. Please provide as much detail as possible

______________________________

______________________________

Q.7 What time did you ARRIVE at this location?

Time arrived:_________ □ A.M □ P.M

Q.8 What was your PRIMARY activity at this location?

□ At Home; non-job related
□ At Home; primary job related
□ At Home; job and non-job related
□ Work
□ Work Related (work performed at location other than workplace)
□ School post secondary, college, trade
□ School secondary-day care, kinder, elementary, middle, high
□ Incidental Shopping; gas, groceries, etc
□ Major Shopping; clothes, appliances, etc.
□ Banking
□ Personal Business; laundry, dry cleaning, barber, medical, etc.
□ Other Services
□ Social/Recreational
□ Eat Out
□ Civic Activities (including church)
□ Pick-up/Drop-off Person at Work
□ Pick-up/Drop-off Person at School/Day Care
□ Pick-up/Drop-off Person at Other
□ Change Mode of Travel
□ Other Activity, specify:____________________
□ Don’t know
Q.9 What type of transportation did you use to go to this location?

☐ Auto, van, truck
☐ Motorcycle or moped
☐ Carpool
☐ Vanpool
☐ Commercial Service Vehicle
☐ Commercial Cargo Transport Vehicle
☐ Bus
☐ School Bus
☐ Taxi/Paid Limo
☐ Walk [GO TO Q11]
☐ Bicycle
☐ Other, (specify): _______________________
☐ Don’t know

• Q.10 Were you the...?


☐ Driver
☐ Passenger

Q.11 How many people travelled together on this trip to this location, including yourself? Count yourself and everyone who accompanied you, for instance another household member, another family member, a friend, or a coworker.

Number of people: ____________

Q.12 Which, if any, household members accompanied you on this trip? Please provide the name(s) or initial(s) of the household member(s) below.

________________________________________

☐ Was not accompanied by any household member(s)

• IF YOU WALKED ON THIS TRIP, GO TO Q.23
• IF YOU TOOK A BUS, GO TO Q.21

Q.13 Which of your household’s vehicles was used for this trip? Enter year, make, and model.

Vehicle: ________________________________

☐ Did not use household vehicle
Q.14 If a non-household vehicle was used during this trip, please indicate the type, make, model, model year, and fuel-type for the vehicle used during this trip:

<table>
<thead>
<tr>
<th>Make</th>
<th>Model</th>
<th>Year</th>
<th>Type</th>
<th>Fuel type</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Q.15 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.

☐ Yes
☐ No
☐ Not sure
☐ Prefer not to say

Q.16 How is this vehicle used for commercial or business purposes? Is it used for cargo delivery, commercial service or both?

☐ Cargo delivery
☐ Commercial Service
☐ Cargo Delivery and Commercial Service
☐ Something else (SPECIFY): ____________
☐ Not sure
☐ Prefer not to say

Q.17 Was the vehicle parked when you arrived at THIS location?

☐ Yes
☐ No [GO TO Q.23]

Q.18 Where was the vehicle parked?

Street Address (be as specific as possible)

__________________________  _______   _____  ___________
City  State  Zip Code

☐ Parked within one block of the destination address
☐ Don’t know
☐ Prefer not to say
Q.19 How much did you or someone else pay for parking at THIS location?

Amount Paid: $ __________._____

☐ Did not pay for parking
☐ Don’t know

Q.20 What period of parking time did you or someone else pay for?

☐ Hourly
☐ Daily
☐ Weekly
☐ Monthly
☐ Annually
☐ Other
☐ Don’t know

IF YOU DID NOT TRAVEL BY BUS, GO TO Q.23.

Q.21 To board the bus, did you walk a block or more to the bus stop/boarding location?

☐ Yes
☐ No
☐ Don’t know

Q.22 Where is the bus stop/location where you got off the bus?

Street Address (be as specific as possible)

______________________________  ____________________  __________
City                             State       Zip Code

☐ Bus stop was within one block of the destination address
☐ Don’t know
☐ Prefer not to say

Q.23 What time did you LEAVE this location?

Time left location:__________   ☐ A.M   ☐ P.M

☐ I did not leave this location. This was my last stop of the day.

IF YOU DID NOT LEAVE THIS LOCATION, PART B IS NOW COMPLETE
*THESE ITEMS REPEAT FOR 10 TRIPS