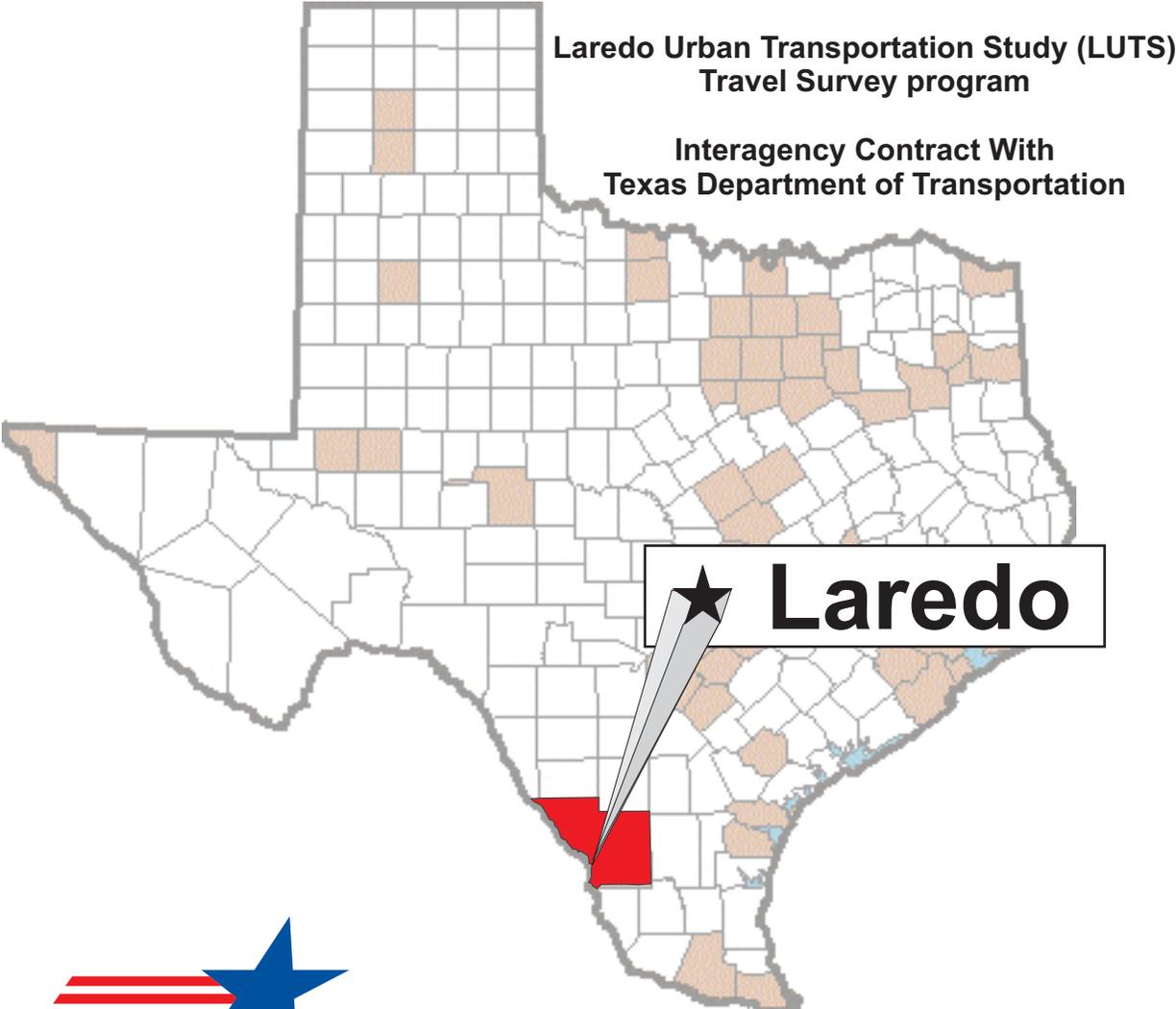


# 2003 Laredo/Webb County Work Place Travel Survey Technical Summary



Prepared by the  
Texas Transportation Institute  
March 2005



# **2003 Laredo/Webb County Work Place Travel Survey**

## **TECHNICAL SUMMARY**

**Texas Department of Transportation Travel Survey Program**

**Prepared by**

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**March 2005**



## **ACKNOWLEDGEMENTS**

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## **INTRODUCTION**

In 2002 - 2003, the Transportation Planning and Programming (TPP) Division of the Texas Department of Transportation (TxDOT) funded a comprehensive set of travel surveys in Laredo/Webb County, Texas. These surveys measure and identify travel patterns within Webb County. The data obtained will be used in the development and update of the travel demand model for the Laredo Metropolitan Planning Organization. The surveys conducted include a household travel/activity survey with a Global Positioning System component, a work place survey, an external station survey, a travel time and delay survey, and several special generator surveys conducted as part of the work place survey.

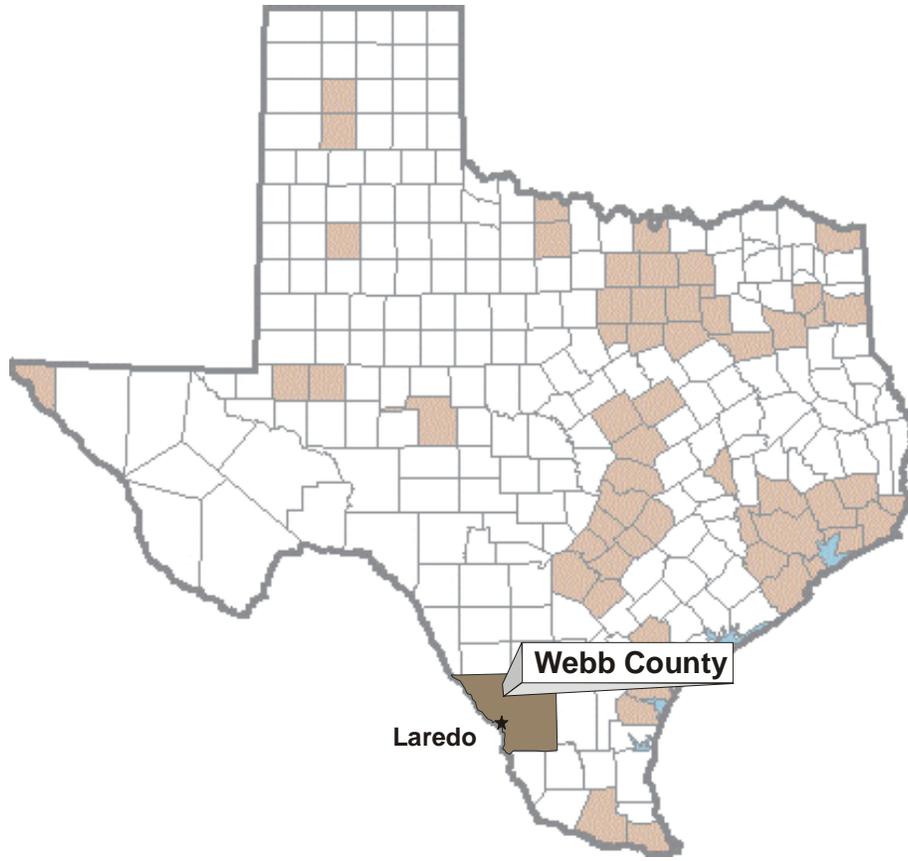
This report presents a Technical Summary of the 2003 Laredo/Webb County Work Place Survey. It documents the data that were collected and presents the results of the data analysis.

## **WORK PLACE SURVEY**

A work place survey consists of several data collection efforts to obtain information on the number and types of trips attracted to work place establishments in the Laredo/Webb County area. While the household survey collects information on the travel characteristics of persons living in the Laredo/Webb County area at the household level, the work place survey collects similar information at the destination end of travel. This information is used in developing trip attraction models for use in travel demand forecasting.

## **LAREDO STUDY AREA**

The boundary established for the Laredo work place survey was Webb County. Figure 1 shows Webb County relative to the state of Texas. The county is located in the southwest portion of Texas along the Texas-Mexico border. The population in Webb County based on the 2000 census was 193,117. The number of households in the county grew from 34,510 in 1990 to 50,647 in 2000. The Texas Workforce Commission (TWC) estimates that about 4,000 work place establishments are located in the county with a total employment of 73,500 in 2002. The population and work places in Webb County are concentrated in the city of Laredo, located directly on the Texas-Mexico border. Laredo serves as one of the primary gateways for the movement of people and freight between Mexico, Texas, and the U.S.



**Figure 1. Laredo/Webb County Study Area.**

## **SURVEY METHODOLOGY**

The work place survey was conducted in two phases. The first phase was a telephone survey of five percent of all establishments in the county. Establishments were grouped into three employment categories, basic, retail, and service. These groupings were based on the standard industrial classification (SIC) code for establishments shown in Table 1.

**Table 1. Standard Industrial Classification Groupings by Employment Type.**

| <b>Employment Type</b> | <b>SIC Range</b> | <b>Industry Group</b>                            |
|------------------------|------------------|--|
| Basic                  | 1000 - 1499      | Mining   |
|                        | 1500 - 1799      | Construction                                     |
|                        | 2000 - 3999      | Manufacturing                                    |
|                        | 4000 - 4999      | Transportation, Communications, Public Utilities |
|                        | 5000 - 5199      | Wholesale Trade                                  |
| Retail                 | 5200 - 5999      | Retail Trade                                     |
| Service                | 6000 - 6799      | Finance, Insurance, Real Estate                  |
|                        | 7000 - 8199      | Services   |
|                        | 8200 - 8299      | Education Services                               |
|                        | 8300 - 8999      | Services   |
|                        | 9000 - 9799      | Government                                       |

The purpose of Phase 1 was to collect information on the number of establishments in each employment type that were considered free and non-free standing within each area type being used in modeling travel. Free standing establishments are those which essentially stand alone with their own access points and parking facilities. Persons traveling to these establishments are attracted to just that establishment. Non-Free standing establishments are those that share access points and parking. These are usually located in multi-use developments and persons traveling to an establishment in these developments may or may not make several stops at different establishments within the development. Figures 2 and 3 show examples of these establishments.

For travel demand modeling purposes, the Laredo study area is divided into distinct areas called traffic analysis zones (TAZ). These zones are grouped according to the level of activity within the zone as measured by the density of population and employment within the zone. There were six area types initially identified in Laredo. These were the central business district (CBD), the central business district fringe (CBD Fringe), urban, suburban, industrial, and rural. These area types were changed from six to four after the survey for purposes of model development.



**Figure 2. Example of a Free-Standing Business Establishment.**



**Figure 3. Example of Non-Free Standing Business Establishments.**

The data from Phase 1 provided information that was used to develop the sampling plan for the second phase of data collection. The second phase of data collection consisted of two parts. The first was a full survey of randomly selected business establishments in the Laredo area and the second was a partial survey of randomly selected business establishments. A full survey

consists of five data collection efforts. The first is a general survey of the establishment to determine its status as free/non-free standing, the number of employees, amount of parking, number of daily deliveries, hours of operation, and other general information. The second is a survey of the employees at the establishment where each is asked to record their trips for a 24-hour period in a travel diary. The third is an intercept survey (during the same time period) of the visitors (i.e., non-employees) at the establishment. The fourth is a survey of the commercial vehicles that travel to the site on the same day as the employee and visitor surveys. The fifth data collection is a count of either persons or vehicles arriving and departing the establishment and a count of the commercial vehicles arriving and departing the establishment.

The second part of Phase 2 was to conduct partial surveys at randomly selected business establishments. A partial survey consists of performing a general survey of an establishment to include its type, location, total employment, and number of employees at work on a selected day. Either vehicle or person counts were made at the site with counts of commercial vehicles at the site. This data provides the total number of trip ends for non-commercial and commercial vehicles or persons. The estimates of travel by trip purpose, etc. is based on the results of the full surveys.

For a more detailed discussion and description of the survey methodology, see the report, *Laredo-Webb County Work Place Travel Survey Data Collection* prepared by GRAM Traffic Counting Inc. The survey instruments used in the survey are presented in the Appendix of this report.

## **PHASE 1 FINDINGS**

Based on data from the TWC, the number of establishments in Webb County in 2002 was 1,727 Basic, 876 Retail, and 1,415 Service. A random sample of five percent of each category of establishments was conducted by phone to ascertain the location of the establishment (i.e., to determine the area type of the zone in which it was located), whether the establishment was free or non-free standing, and to determine the number of employees at the establishment. Table 2 presents the results of this survey.

**Table 2: Results of 5 Percent Sample in Phase 1**

**Basic Employment Establishments**

| Employees | CBD |      | CBD-Fringe |      | Urban |      | Suburban |      | Industrial |      | Rural |      | Total |      |
|-----------|-----|------|------------|------|-------|------|----------|------|------------|------|-------|------|-------|------|
|           | FS  | N-FS | FS         | N-FS | FS    | N-FS | FS       | N-FS | FS         | N-FS | FS    | N-FS | FS    | N-FS |
| 1500 +    |     |      |            |      |       |      |          |      |            |      |       |      |       |      |
| 1000-1499 |     |      |            |      |       |      |          |      |            |      |       |      |       |      |
| 500-999   |     |      |            |      |       |      |          |      |            |      |       |      |       |      |
| 200-499   |     |      |            |      |       |      |          |      |            | 1    |       | 1    |       | 2    |
| 100-199   |     | 1    | 1          | 2    |       | 1    |          | 2    |            | 4    |       |      | 1     | 10   |
| 50-99     |     |      | 1          | 2    |       | 1    | 1        | 2    | 2          | 5    | 1     | 1    | 5     | 11   |
| 25-49     |     |      | 3          | 3    | 1     | 1    | 1        | 2    | 5          | 2    | 3     | 1    | 13    | 9    |
| 10-24     |     |      | 1          | 1    | 1     | 3    | 1        |      | 4          | 5    | 2     |      | 9     | 9    |
| 5-9       |     |      | 1          | 1    |       | 2    | 2        |      | 2          | 3    |       | 1    | 5     | 7    |
| 1-4       |     |      |            |      | 2     | 2    |          |      | 2          | 4    |       |      | 4     | 6    |
| Sub-Total | 0   | 1    | 7          | 9    | 4     | 10   | 5        | 6    | 15         | 24   | 6     | 4    | 37    | 54   |
| Total     | 1   |      | 16         |      | 14    |      | 11       |      | 39         |      | 10    |      | 91    |      |

**Retail Employment Establishments**

| Employees | CBD |      | CBD-Fringe |      | Urban |      | Suburban |      | Industrial |      | Rural |      | Total |      |
|-----------|-----|------|------------|------|-------|------|----------|------|------------|------|-------|------|-------|------|
|           | FS  | N-FS | FS         | N-FS | FS    | N-FS | FS       | N-FS | FS         | N-FS | FS    | N-FS | FS    | N-FS |
| 1500 +    |     |      |            |      |       |      |          |      |            |      |       |      |       |      |
| 1000-1499 |     |      |            |      |       |      |          |      |            |      |       |      |       |      |
| 500-999   |     |      |            | 1    |       |      |          |      |            |      |       |      |       | 1    |
| 200-499   |     |      |            |      |       | 1    |          |      |            |      |       |      |       | 1    |
| 100-199   |     |      | 3          | 3    |       |      |          | 1    |            |      |       |      | 3     | 4    |
| 50-99     |     |      |            | 3    |       | 3    |          |      | 1          |      |       |      | 1     | 6    |
| 25-49     |     | 2    | 2          | 9    | 1     | 1    |          | 1    | 1          |      |       |      | 4     | 13   |
| 10-24     |     | 1    | 3          | 2    | 1     |      |          |      |            |      |       |      | 4     | 3    |
| 5-9       | 1   |      |            | 3    |       |      |          | 1    |            |      |       |      | 1     | 4    |
| 1-4       |     |      |            |      |       |      |          |      |            |      |       |      |       |      |
| Sub-Total | 1   | 3    | 8          | 21   | 2     | 5    | 0        | 3    | 2          | 0    | 0     | 0    | 13    | 32   |
| Total     | 4   |      | 29         |      | 7     |      | 3        |      | 2          |      | 0     |      | 45    |      |

**Service Employment Establishments**

| Employees | CBD |      | CBD-Fringe |      | Urban |      | Suburban |      | Industrial |      | Rural |      | Total |      |
|-----------|-----|------|------------|------|-------|------|----------|------|------------|------|-------|------|-------|------|
|           | FS  | N-FS | FS         | N-FS | FS    | N-FS | FS       | N-FS | FS         | N-FS | FS    | N-FS | FS    | N-FS |
| 1500 +    |     |      |            |      |       | 1    |          |      |            |      |       |      |       | 1    |
| 1000-1499 |     |      |            | 1    |       |      |          |      |            |      |       |      |       | 1    |
| 500-999   |     |      |            |      |       |      |          |      |            |      |       |      |       |      |
| 200-499   |     |      |            | 3    |       |      |          | 1    |            |      |       |      |       | 4    |
| 100-199   | 1   |      |            | 4    |       | 5    |          | 1    |            |      |       |      | 1     | 10   |
| 50-99     |     |      | 1          | 4    |       | 2    |          | 1    |            | 1    |       |      | 1     | 8    |
| 25-49     |     |      |            | 6    |       | 1    |          | 2    |            | 1    |       | 1    |       | 11   |
| 10-24     |     |      | 1          | 6    |       | 6    | 1        | 1    |            | 1    |       | 1    | 2     | 15   |
| 5-9       |     |      |            | 3    | 2     | 2    |          | 1    |            |      | 1     |      | 3     | 6    |
| 81-4      |     |      |            | 4    |       | 3    | 1        | 1    |            |      |       |      | 1     | 8    |
| Sub-Total | 1   | 0    | 2          | 31   | 2     | 20   | 2        | 8    | 0          | 3    | 1     | 2    | 8     | 64   |
| Total     | 1   |      | 33         |      | 22    |      | 10       |      | 3          |      | 3     |      | 72    |      |

It should be noted that the sampling in Phase 1 was random and no effort was made to control size of the establishment or the area type it was located. The only control was the number of establishments in each employment category to be surveyed. There are several cells with no observations. This may be a result of the small sample or an indication that there are no establishments of that type within those area types. One service establishment in the urban area type was later removed. It was a middle public school that was shown with an employment of over 4,000. It was decided to remove it because it likely represented the employment of all middle schools in that school district and many would not be located in that one area type.

Based on data from the TWC, the estimated number of basic employees in Webb County was 12,800, the number of retail employees was 11,200, and the number of service employees was 49,500. The employment at the sites that were surveyed in Phase 1 was 3,977 basic employees, 3,084 retail employees, and 5,737 service employees. This indicates the sites surveyed in Phase 1 represented approximately 31 percent of all basic employment, 28 percent of all retail employment, and 12 percent of all service employment. This is noted because it indicates the Phase 1 sample disproportionately represented larger employers in Webb County. The assumption was made, however, that the sample in Phase 1 was still representative of the true split of free versus non-free standing establishments by area type.

## SAMPLING PLAN

The number of establishments to be surveyed had been pre-determined as 100 full survey sites and 200 partial survey sites. This controls the cost involved in the survey and the data obtained is still adequate for modeling purposes. Table 3 presents the results of the Phase 1 survey. Table 4 presents the estimated distribution of work place establishments in the Laredo/Webb County area. The six area types have been collapsed into three sampling areas to reduce the potential small sample bias.

**Table 3. Phase 1 Surveyed Establishments.**

| <b>Sample Area</b>                | <b>Basic</b> | <b>Retail</b> | <b>Service</b> | <b>Total</b> |
|-----------------------------------|--------------|---------------|----------------|--------------|
| 1 – CBD                           | 1            | 4             | 1              | 6            |
| 2 – CBD Fringe, Urban, Industrial | 69           | 38            | 58             | 165          |
| 3 – Suburban, Rural               | 21           | 3             | 13             | 37           |
| Total                             | 91           | 45            | 72             | 208          |

**Table 4. Estimated Number of Establishments.**

| <b>Sample Area</b>                | <b>Basic</b> | <b>Retail</b> | <b>Service</b> | <b>Total</b> |
|-----------------------------------|--------------|---------------|----------------|--------------|
| 1 – CBD                           | 19           | 78            | 20             | 117          |
| 2 – CBD Fringe, Urban, Industrial | 1,295        | 739           | 1,140          | 3,174        |
| 3 – Suburban, Rural               | 413          | 59            | 255            | 727          |
| Total                             | 1,727        | 876           | 1,415          | 4,018        |

Table 5 presents the final sampling plan for Phase 2 of the Laredo work place survey. The sampling is weighted to obtain more surveys of retail and service than basic establishments. This is done intentionally because previous work place surveys have shown that retail and service establishments have much higher variations in rates than basic establishments. For that reason, it is believed that adequate results may be obtained with a smaller sample of basic establishments whereas larger samples are believed necessary for retail and service establishments. It should also be noted that two of the five full survey sites and six of the 15 basic sites in sample area 2 were to be selected from industrial sites. Additionally, one of the full survey service

establishments to be surveyed was the Laredo International Airport and one was an intercity bus terminal. These were considered special generators and were analyzed and discussed separately.

**Table 5. Laredo Work Place Survey Phase 2 Sampling Plan.**

| Sample Area                       | Basic |         | Retail |         | Service |         | Total |         |
|-----------------------------------|-------|---------|--------|---------|---------|---------|-------|---------|
|                                   | Full  | Partial | Full   | Partial | Full    | Partial | Full  | Partial |
| 1 – CBD                           | 5     | 5       | 5      | 20      | 5       | 5       | 15    | 30      |
| 2 – CBD Fringe, Urban, Industrial | 5     | 15      | 30     | 60      | 20      | 40      | 55    | 115     |
| 3 – Suburban, Rural               | 5     | 10      | 10     | 20      | 15      | 25      | 30    | 55      |
| Total                             | 15    | 30      | 45     | 100     | 40      | 70      | 100   | 200     |

Table 6 presents the distribution of sites surveyed. After the survey, a review of the data revealed a number of sites had been incorrectly designated by employment type. This confusion arose from the data collected being categorized by eight types of employment while the sampling plan and subsequent analysis only utilized three employment types. The actual data files contained a number of sites that had been classified as “Other” and when translated into the three types used for analysis purposes, had been incorrectly classified. It was also found in the processing of the data that several sites had employee surveys but no visitor surveys or visitor surveys and no employee surveys. These are the reasons the final distribution of surveyed sites do not match the sampling plan.

**Table 6. Distribution of Sites Surveyed.**

| Sample Area                       | Basic |         | Retail |         | Service |         | Total |         |
|-----------------------------------|-------|---------|--------|---------|---------|---------|-------|---------|
|                                   | Full  | Partial | Full   | Partial | Full    | Partial | Full  | Partial |
| 1 – CBD                           | 5     | 6       | 5      | 23      | 4       | 4       | 14    | 33      |
| 2 – CBD Fringe, Urban, Industrial | 6     | 49      | 34     | 80      | 28      | 70      | 68    | 199     |
| 3 – Suburban, Rural               | 2     | 1       | 2      | 0       | 3       | 0       | 7     | 1       |
| Total                             | 13    | 56      | 41     | 103     | 35      | 74      | 89    | 233     |

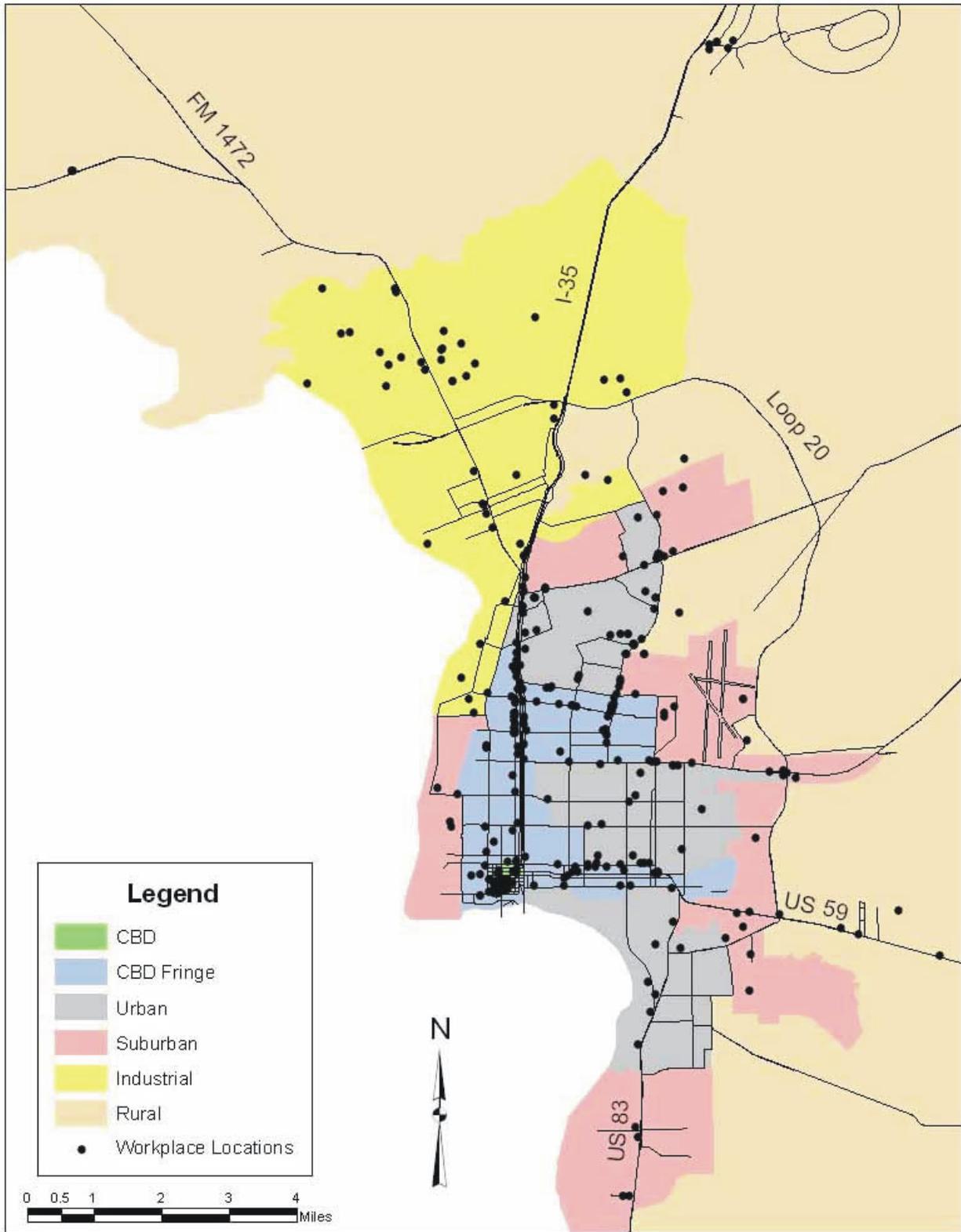
## **SAMPLING RESULTS**

Figure 4 shows the locations of the establishments that participated in the work place survey. A total of 89 establishments had complete full surveys. The majority of these were retail establishments with the fewest being basic establishments. A total of 297 employees and 2,780 visitors (i.e., non-employees) were surveyed. The employment at the sites that were surveyed totaled 2,416. The sampling rate for the employees at the sites surveyed was about 12 percent. There were 233 sites where a partial survey was conducted. The employment at those sites totaled 4,289. Total employment represented in the work place survey was 6,705, about 9 percent of the total employment in Webb County.

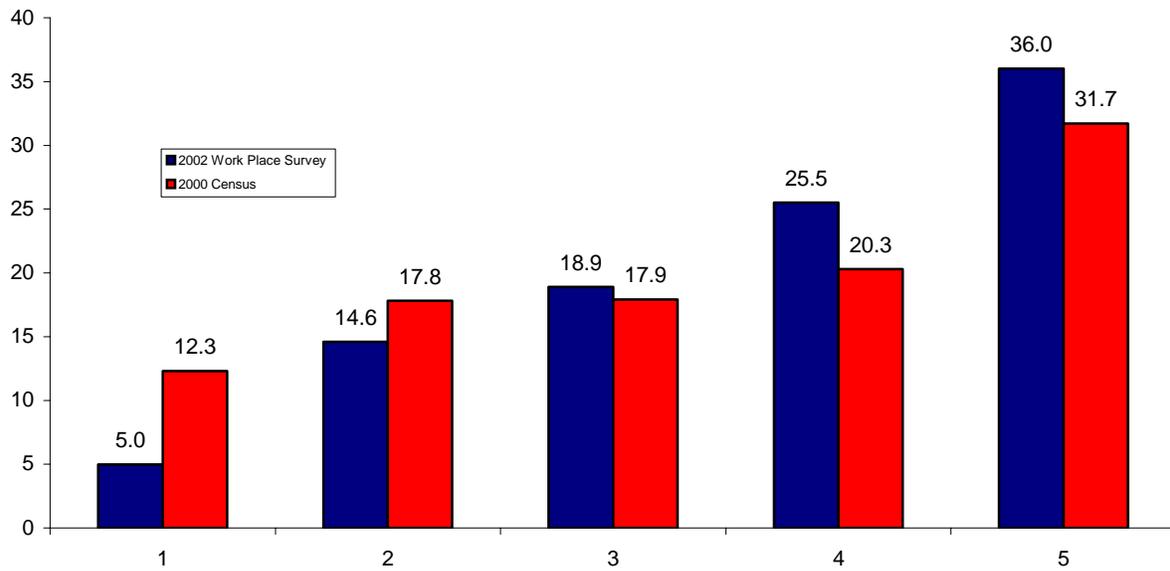
The Laredo work place survey included questions concerning the household size, income, and vehicles available. These data provide a profile of the persons that participated in the survey and how they relate to data from the 2000 census. Figure 5 presents the distribution of persons surveyed by their household size and that reported in the 2000 census for Webb County. Figures 6 and 7 respectively present the distributions of persons by vehicles available and by household income. The households represented by survey participants were larger in size than the population in Webb County. The participants in the survey typically came from households with more vehicles available than the population of Webb County. The participants in the survey came from households with generally higher incomes. Households with incomes below \$15,000 were under represented in the survey while households with incomes between \$15,000 and \$40,000 were over represented. The distribution of households above \$40,000 matched that reported in the census fairly well.

Figure 8 shows the distribution of the reported trips to and from the surveyed establishments by mode of travel. The majority of trips were by drivers of a vehicle with a few made as a vehicle passenger and some by walking and transit. Note that these are just the observations in the data and do not represent expanded results.

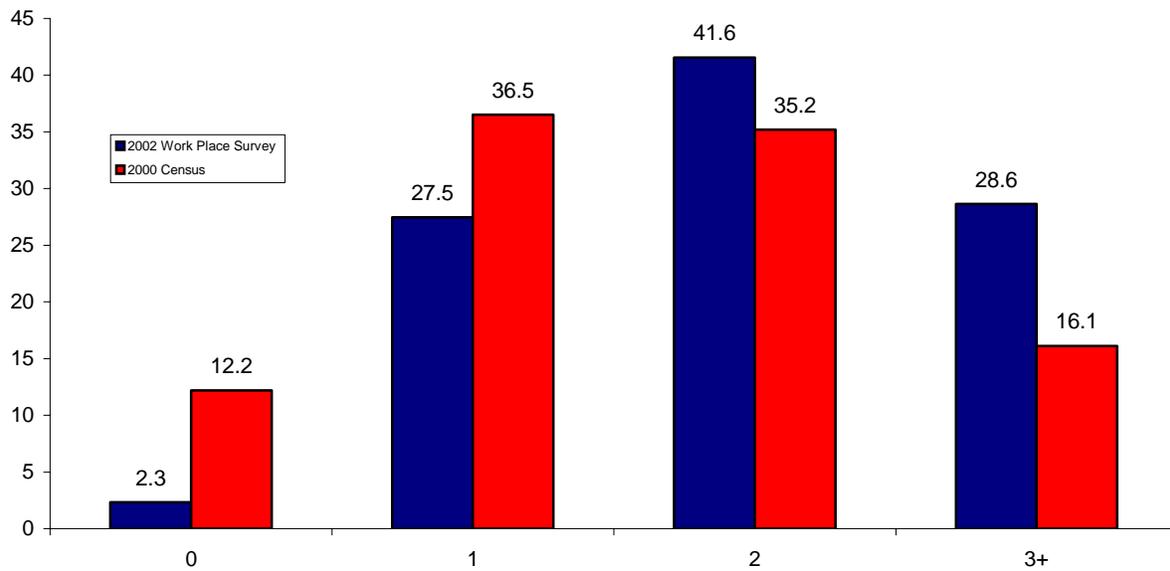
The data were also summarized by the reported trip purpose. Figure 9 presents the breakdown of percentage of observed trips by home based work (HBW), home based non-work (HBNW), non-home based destinations (NHB-D), non-home based origins (NHB-O), external destinations, external origins, and non-resident trips. HBW attractions are those trips with one end at the home and the other at the work (as indicated by the reported trip purpose).



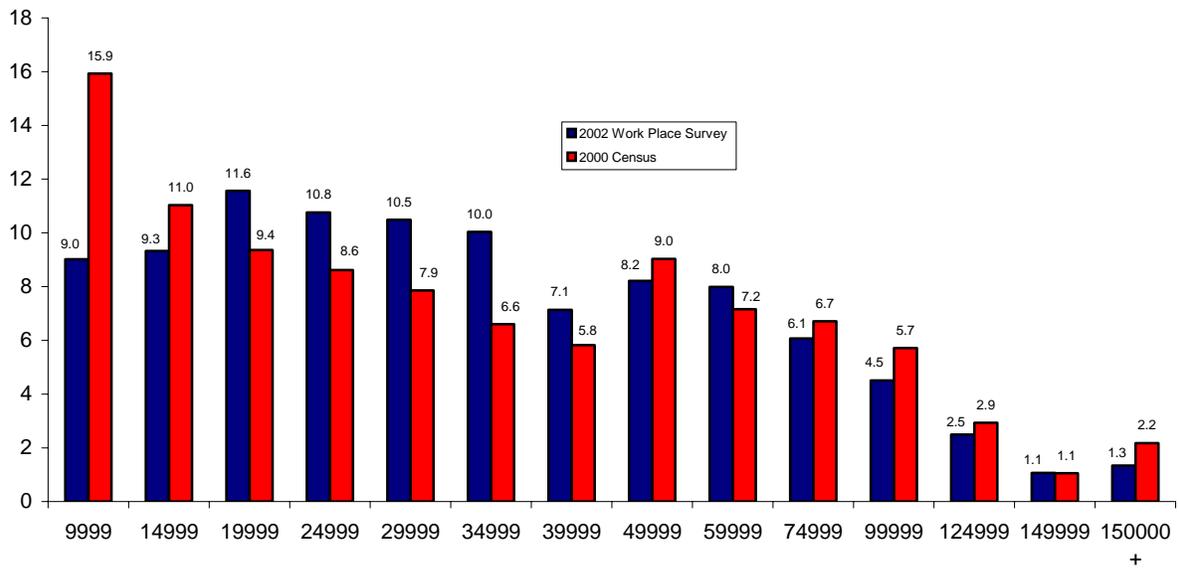
**Figure 4. Laredo Work Place Survey Locations.**



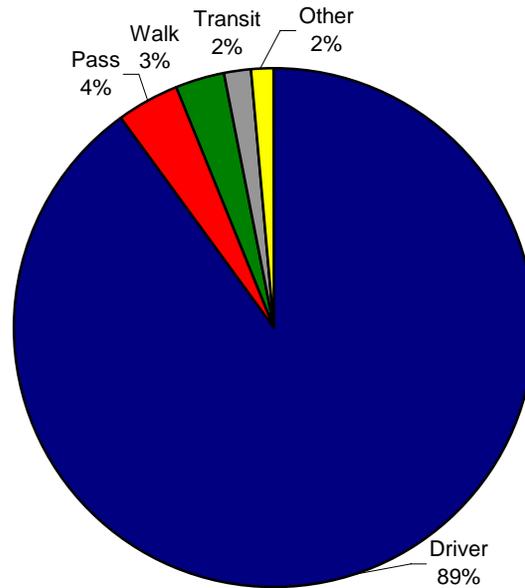
**Figure 5. Distribution of Households by Household Size.**



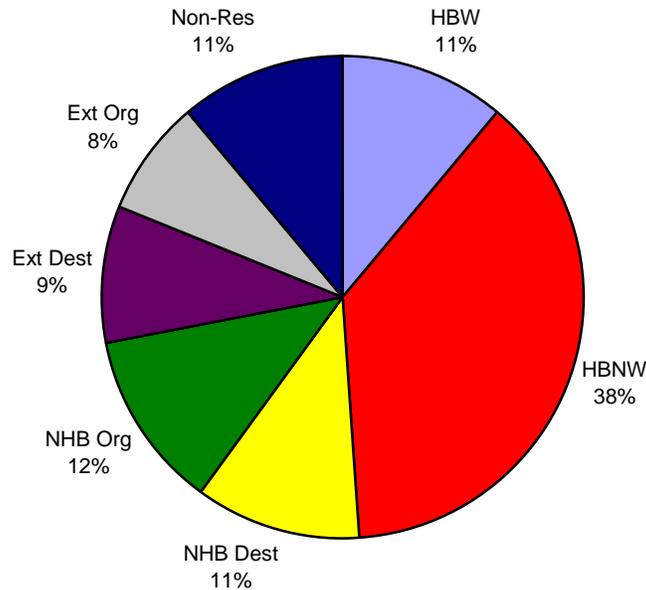
**Figure 6. Distribution of Households by Vehicles Available.**



**Figure 7. Distributions of Households by Household Income Range.**



**Figure 8. Distribution of Surveyed Trips by Mode of Travel.**



**Figure 9. Distribution of Surveyed Trips by Trip Purpose.**

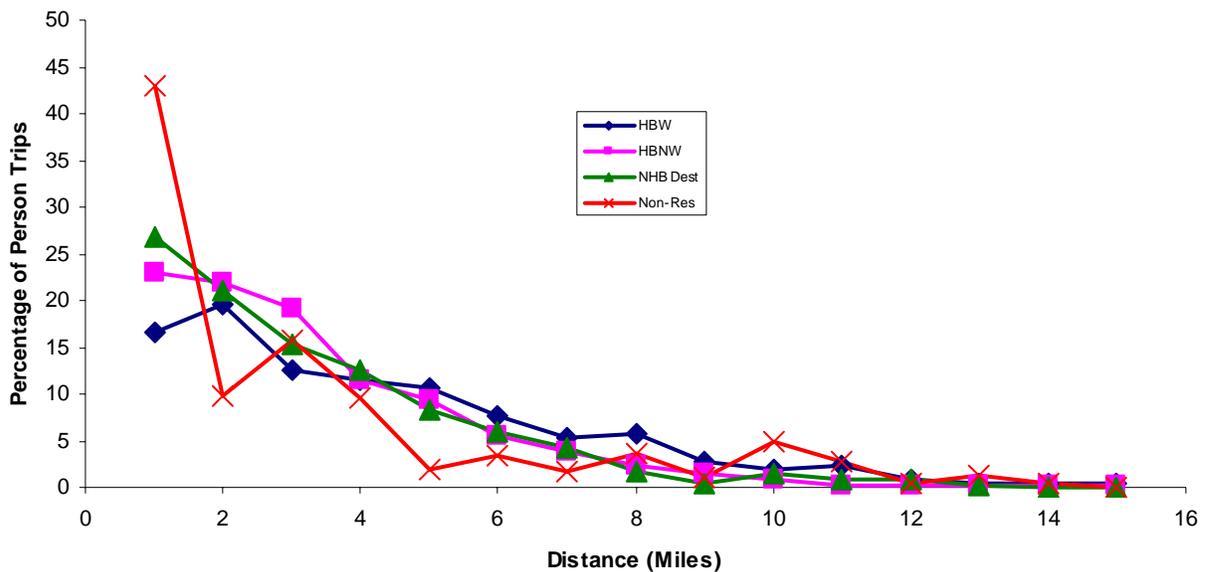
HBNW trips are those trips with one end at the home and the reported trip purpose was not work or work related. NHB-D trips are those trips whose destination was the establishment being surveyed and whose origin was not home. NHB-O trips were those trips that were leaving the establishment being surveyed and the reported destination was not home. External destinations are those trips that originated outside the study area and external origins are those trips whose destination is outside the study area when they leave the establishment. Non-resident trips are those internal trips to the establishment made by persons that reported they live outside the study area.

Since the data were geocoded to the TAZs, the transportation network was used to add the travel distance to the surveyed trip records. These data were then processed to compute the average trip length in travel distance as well as the trip length frequency distributions for person and vehicle trips by trip purpose. Table 7 presents the average travel distances per trip for the surveyed trips and the number of observations for each average. Figures 10 and 11 present the trip length frequency distributions for person and vehicle trips in travel distance. The average trip lengths and trip length frequency distributions are shown only for HBW, HBNW, NHB destinations and non-resident travel. The survey data are primarily used to develop attraction rates (i.e., trips per employee) for modeling these trip purposes. The average trip lengths are

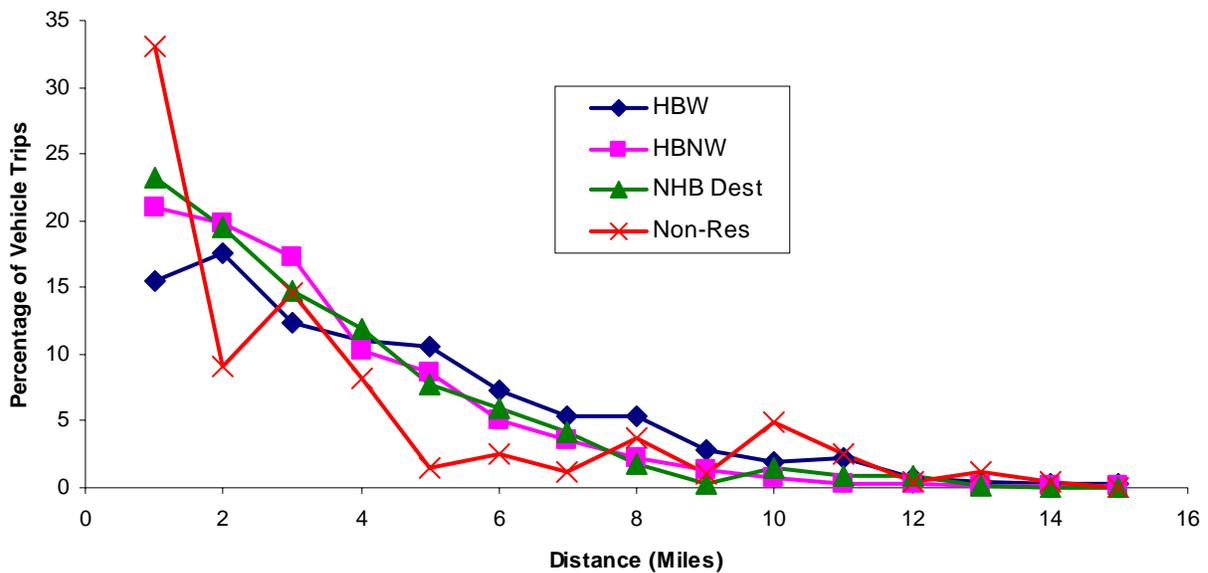
consistent with observed characteristics in other urban areas in that the trip length for HBW trips are typically higher than those for HBNW and NHB. The trip length for HBNW and NHB are typically about the same value. These may differ depending on the urban area. The trip length frequency distributions are also consistent with other urban areas in that the majority of HBNW and NHB trips occur at shorter distances and travel times while HBW trips have longer trips. For informational purposes, the average trip lengths were also computed for non-resident internal trips. Table 7 also shows these values. For the most part, these trips have about the same average trip lengths as NHB trips.

**Table 7. Average Trip Length by Trip Purpose.**

| Trip Purpose/Type | Person Trips |       | Vehicle Trips |       |
|-------------------|--------------|-------|---------------|-------|
|                   | Observations | Miles | Observations  | Miles |
| HBW               | 612          | 4.4   | 585           | 4.3   |
| HBNW              | 2,185        | 3.3   | 1,996         | 3.1   |
| NHB Destinations  | 610          | 3.3   | 566           | 3.1   |
| Non-Resident      | 488          | 3.4   | 412           | 3.1   |

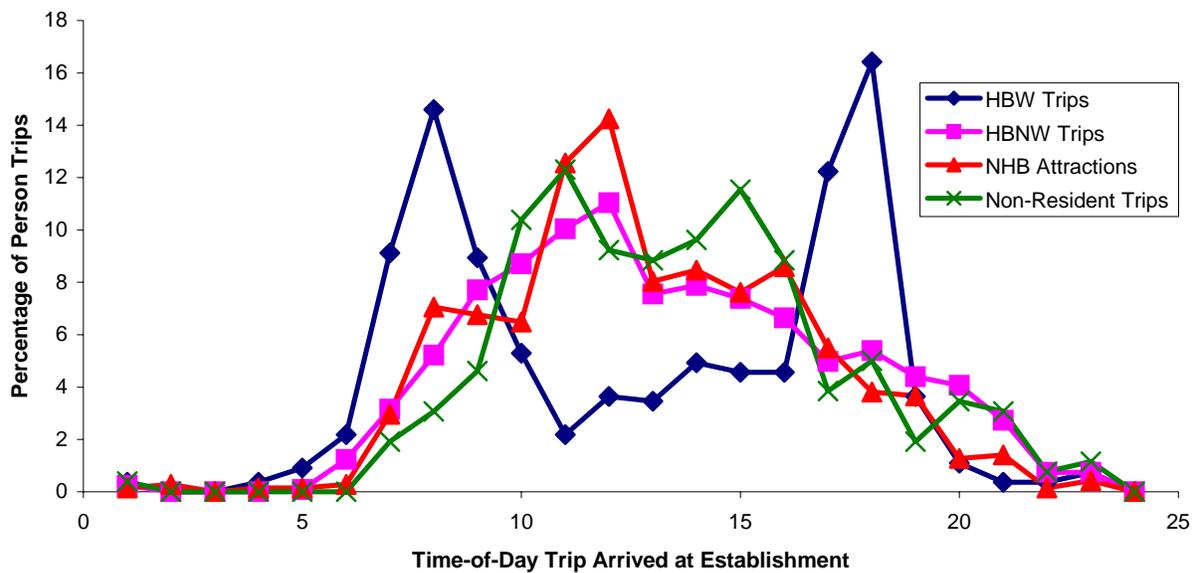


**Figure 10. Survey Person Trip Length Frequency Distributions.**



**Figure 11. Survey Vehicle Trip Length Frequency Distributions.**

Trips by trip purpose typically have distinct characteristics by time of day that are consistent for nearly all urban areas. Figure 12 presents the distribution of trips by purpose by their time of arrival at the establishments surveyed. The characteristics for travel in the Laredo area are similar to those for other urban areas. HBW trips exhibit two time periods when those types of trips are most likely to occur, in the morning and afternoon. The afternoon peak is at 5 p.m. and 6 pm. HBNW and NHB trips typically peak during the middle of the day and are spread throughout the day. Figure 12 also shows the distribution of non-resident trips by their time of arrival. Their pattern is similar to that of HBNW and NHB. Time is shown in military terms.



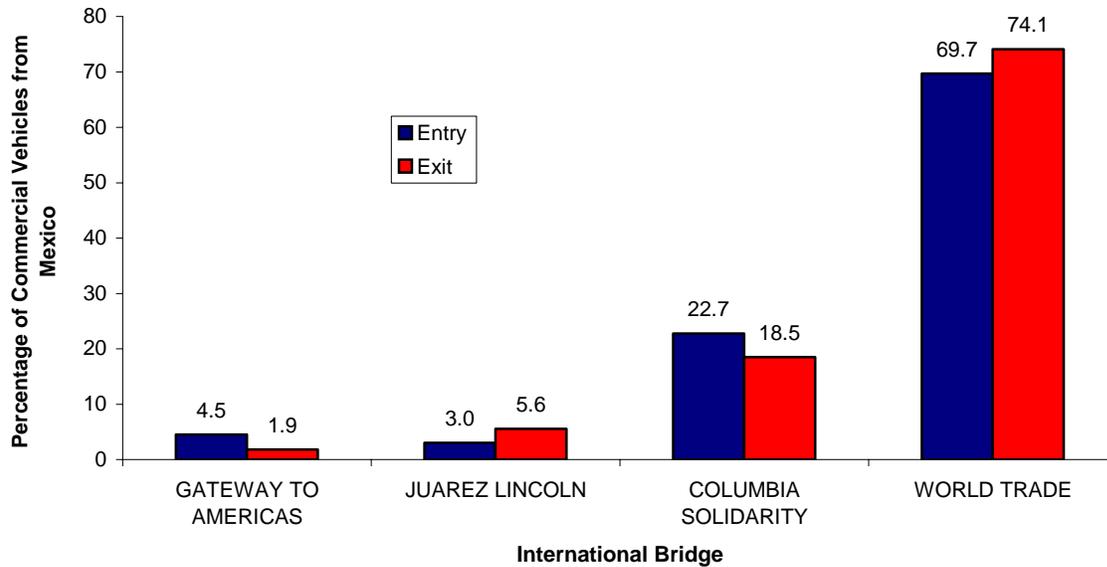
**Figure 12. Distribution of Person Trips by Time of Arrival at Establishments.**

### COMMERCIAL VEHICLE SURVEY

In addition to the employee and visitor surveys, a count and survey of commercial vehicles at the work places was also conducted. This data provides information on the commercial vehicles attracted to the establishments, their travel patterns, type of cargo, etc. The commercial vehicles count at all of the work places was 6,450. Commercial vehicles were surveyed at 37 work places. The number of vehicles surveyed was 270 and data were collected on each vehicle trip to the site and where the vehicle was going after it left the site. Of the 270 trips to the sites, 100 (37 percent) began at a location outside the study area and were classified as external destinations. The majority of those external destinations, 66 percent, came from Mexico. Of the 270 trips from the surveyed sites, 103 (38 percent) were destined for a location out of the study area and classified as external origins. Half of those, 54 (52 percent), were destined for Mexico.

Figure 13 shows the distribution of these vehicles by their points of entry and exit to Laredo from Mexico. The majority of vehicles (more than 70 percent) use the World Trade Bridge to enter and exit Laredo. Commercial vehicle drivers were also asked where their travel originated and ultimately destined. The majority of vehicles (i.e., 183) originated in the study area and 188 were destined for locations in the study area. There were 20 vehicles that originated outside the

study area (not Mexico) and 25 vehicles that were destined for locations outside the study area (not Mexico).

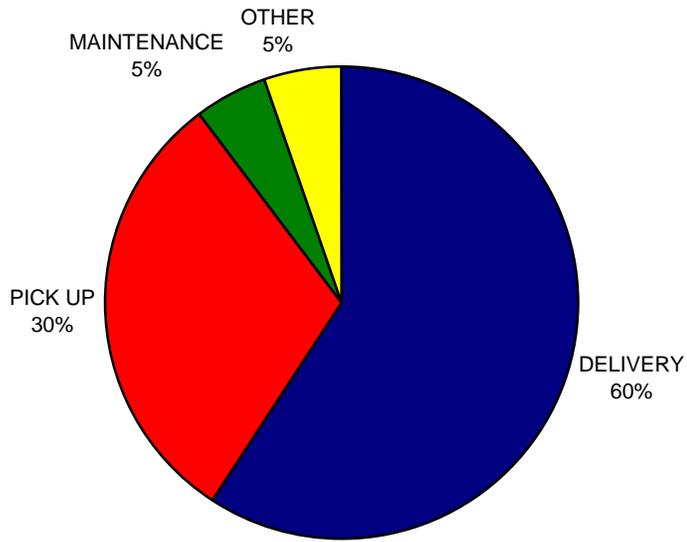


**Figure 13. Distribution of Commercial Vehicles from Mexico by Bridge.**

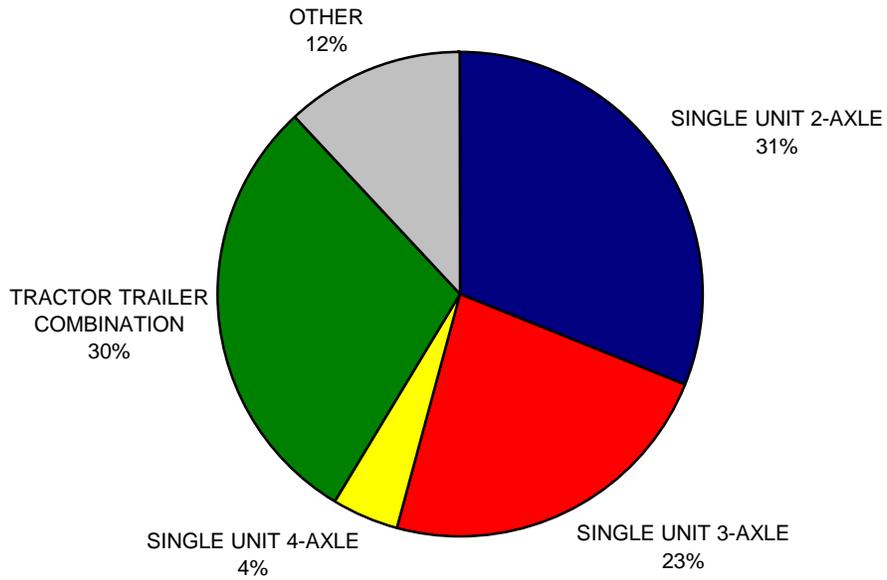
Figure 14 shows the distribution of all vehicles surveyed by their trip purpose at the site. The majority of vehicles, 160 (59 percent), traveled to a site to make a delivery while 82 (30 percent) were picking up cargo. For vehicles that originated in the study area, 56 percent were making a delivery and 30 percent were picking up cargo. For vehicles leaving the establishment, 47 percent were going to make a delivery, 12 percent were going to pick up cargo, and 25 percent were returning to their base location.

Figure 15 shows the distribution of surveyed vehicles by vehicle classification. Four categories of vehicle class were provided on the survey instrument with an additional category of “Other” for vehicles that did not fall in the four categories provided. The majority of vehicles surveyed were either a single unit two-axle vehicle or a tractor-trailer combination.

Table 8 shows the distribution of surveyed vehicles by vehicle class and type of cargo being transported. Nearly 30 percent of the vehicles reported they did not have any cargo and were empty. Just over 16 percent of the vehicles reported carrying food, health, or beauty products. The second highest reported cargo was manufactured goods and equipment. Cargos of textiles, printed matter, and wood products were the next most frequently reported.



**Figure 14. Distribution of All Commercial Vehicles by Purpose at Establishments.**

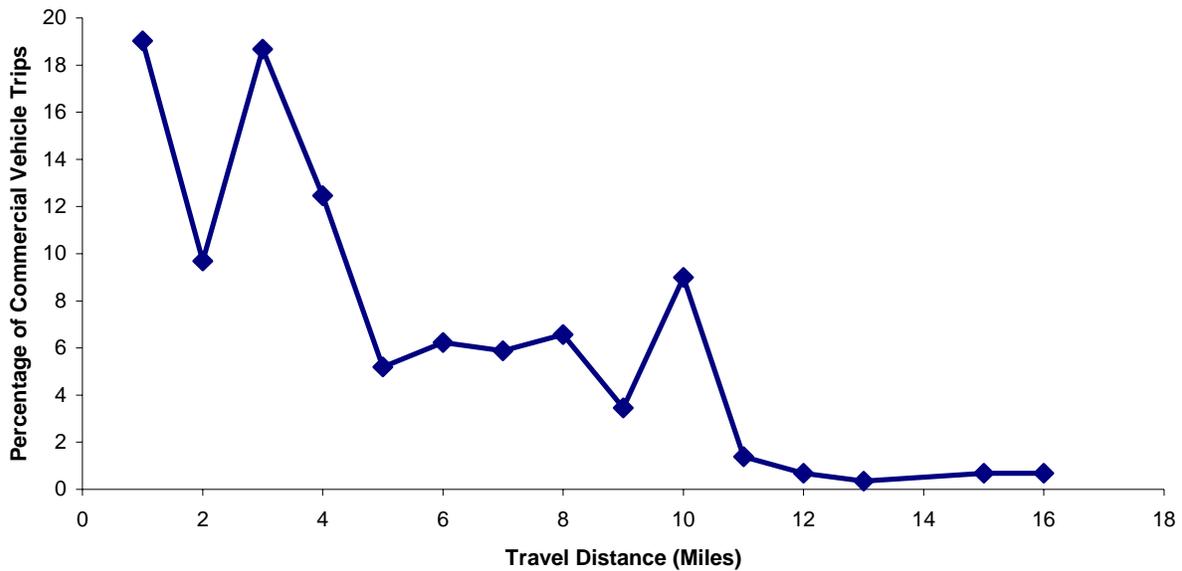


**Figure 15. Distribution of Commercial Vehicles by Type of Vehicle.**

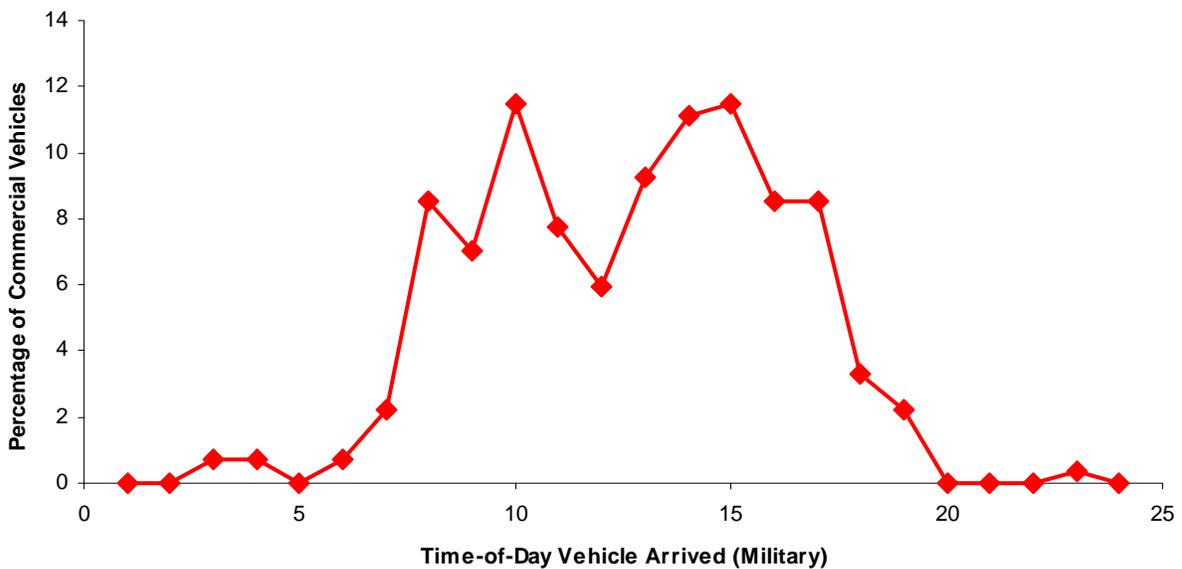
**Table 8. Distribution of Commercial Vehicles by Type of Cargo.**

| <b>Cargo</b>                            | <b>Pick-Up/<br/>Van</b> | <b>Single<br/>Unit<br/>2-Axle</b> | <b>Single<br/>Unit<br/>3-Axle</b> | <b>Single<br/>Unit<br/>4-Axle</b> | <b>Tractor<br/>Trailer</b> | <b>Total</b> |
|---|-------------------------|-----------------------------------|-----------------------------------|-----------------------------------|----------------------------|--------------|
| Farm Products                           |                         |                                   |                                   |                                   |                            |              |
| Forest Products                         |                         | 3                                 |                                   |                                   | 2                          | 5            |
| Marine Products                         |                         | 1                                 | 7                                 |                                   | 1                          | 9            |
| Metals and Minerals                     |                         | 1                                 | 3                                 |                                   | 4                          | 8            |
| Food, Health, and Beauty Products       | 6                       | 22                                | 5                                 | 1                                 | 10                         | 44           |
| Tobacco Products                        |                         |                                   |                                   |                                   |                            |              |
| Textiles                                | 3                       | 7                                 | 1                                 |                                   | 6                          | 17           |
| Wood Products                           | 1                       | 4                                 | 2                                 |                                   | 6                          | 13           |
| Printed Matter                          | 1                       | 12                                |                                   |                                   | 2                          | 15           |
| Chemical Products                       |                         |                                   |                                   |                                   |                            |              |
| Refined Petroleum or Coal Products      |                         |                                   |                                   |                                   |                            |              |
| Rubber, Plastic, and Styrofoam Products |                         | 3                                 |                                   | 1                                 | 5                          | 9            |
| Clay, Concrete, Glass, or Stone         | 2                       | 3                                 | 1                                 |                                   | 2                          | 8            |
| Manufactured Goods/Equipment            | 7                       | 8                                 | 2                                 | 3                                 | 5                          | 25           |
| Wastes                                  |                         |                                   | 1                                 |                                   |                            | 1            |
| Miscellaneous Shipments                 | 1                       | 7                                 |                                   |                                   | 1                          | 9            |
| Hazardous Materials                     |                         |                                   |                                   |                                   |                            |              |
| Transportation                          | 1                       | 1                                 | 1                                 |                                   |                            | 3            |
| Unclassified Cargo                      |                         | 3                                 | 1                                 | 2                                 | 3                          | 9            |
| Driver Refused to Answer                | 3                       |                                   | 2                                 |                                   | 5                          | 10           |
| Unknown to Driver                       |                         |                                   | 1                                 | 2                                 | 2                          | 5            |
| Empty                                   | 7                       | 9                                 | 35                                | 3                                 | 26                         | 80           |

The surveyed commercial vehicle trips that originated and were destined for locations in the study area were geocoded to the TAZs. The average trip length for these internal commercial vehicle trips was 4.7 miles. Figure 16 presents the trip length frequency distributions for commercial vehicles in travel distance. Figure 17 presents the distribution of commercial vehicles by the time they arrived at the work place. This distribution exhibits two peak periods that occur during the middle of the day unlike the distributions for work trips, which peak in the morning and afternoon.



**Figure 16. Commercial Vehicle Trip Length Frequency Distribution for Distance.**



**Figure 17. Distribution of Commercial Vehicles by Time of Arrival.**

## **SPECIAL GENERATORS**

Two of the work places surveyed were treated as special generators. These were the Laredo International Airport and the Greyhound Bus Terminal. Special generators are those types of development that are considered unique and subject to modeling outside the typical modeling framework. The survey data for these two sites are summarized in the following sections.

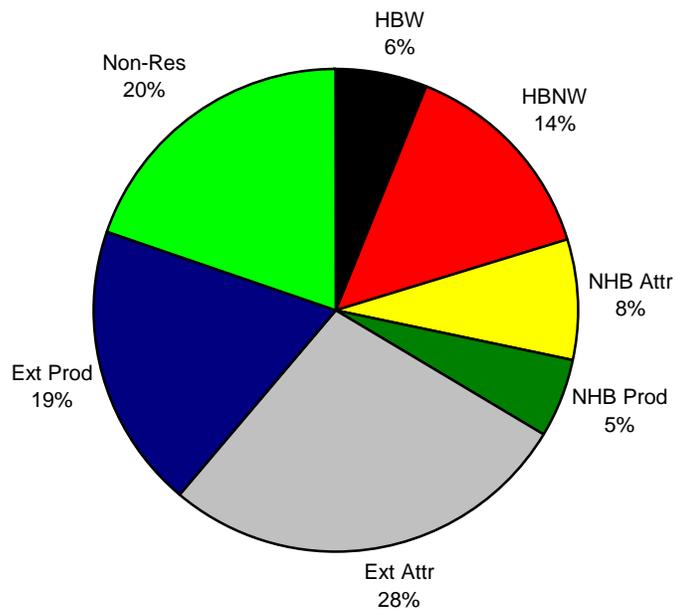
### **Laredo International Airport**

The Laredo International Airport was surveyed as a special generator due to its uniqueness as a transportation generator and the impact it has on the community in terms of transportation. Total employment reported at the site (this includes all businesses located on the airport property) was 234 and 78 were reported to be at work on the day of the survey. The number of employees that participated in the survey was 16. The number of visitors surveyed at the airport was 112 and the number of commercial vehicles counted was 8. The surveyed employees reported 34 trip ends at the airport and the visitors reported 224.

Figure 18 presents the distribution of surveyed trips by trip purpose. It is interesting that the majority of the surveyed trips (66 percent) at the airport were either external or made by non-residents. This is interesting because of the 112 visitors surveyed, 24 percent were arriving by plane and 21 percent were departing by plane. This indicates that most of the trips that were

external or non-resident were not by plane. The reported mode of travel for all of the surveyed airport employees was as a driver of a vehicle. Table 9 presents the reported modes of travel for the surveyed visitors by arrival and departure.

Visitors that reported their mode of departure as a plane were also asked where their destination was. Table 10 shows the varied responses. The most frequent destination was San Antonio, Texas but as the data indicates, the majority of destinations were out of Texas and 17 percent were to locations out of the country.



**Figure 18. Distribution of Surveyed Trips at Laredo International Airport.**

**Table 9. Arrival and Departure Modes of Travel for Visitors at Airport.**

| Mode                | Arrivals   |              | Departures |              |
|---------------------|------------|--------------|------------|--------------|
|                     | Number     | Percent      | Number     | Percent      |
| Driver              | 66         | 58.9         | 66         | 58.9         |
| Passenger           | 7          | 6.3          | 9          | 8.0          |
| Walk                |            |              |            |              |
| Bicycle             |            |              |            |              |
| Transit             | 1          | 0.9          | 1          | 0.9          |
| School Bus          |            |              |            |              |
| Taxi/Limo           | 8          | 7.1          | 9          | 8.0          |
| Commercial Vehicle  |            |              |            |              |
| Motorcycle          |            |              |            |              |
| Airplane            | 27         | 24.1         | 23         | 20.6         |
| Parking Shuttle     |            |              |            |              |
| Hotel/Motel Shuttle | 1          | 0.9          | 1          | 0.9          |
| Rental Car          | 2          | 1.8          | 3          | 2.7          |
| Other               |            |              |            |              |
| <b>Total</b>        | <b>112</b> | <b>100.0</b> | <b>112</b> | <b>100.0</b> |

**Table 10. Reported Destinations for Plane Departures.**

| <b>Destination</b>       | <b>Frequency</b> |
|--------------------------|------------------|
| San Antonio, Texas       | 4                |
| Dallas, Texas            | 1                |
| El Paso, Texas           | 1                |
| Houston, Texas           | 1                |
| Palm Springs, California | 1                |
| Detroit, Michigan        | 1                |
| North Carolina           | 1                |
| Albuquerque, New Mexico  | 1                |
| Nashville, Tennessee     | 1                |
| Portland, Oregon         | 1                |
| Kansas City, Kansas      | 1                |
| Greatneck, New York      | 1                |
| Miami, Florida           | 2                |
| Cape Coral, Florida      | 1                |
| Orlando, Florida         | 1                |
| Thailand, Asia           | 3                |
| Mexico City, Mexico      | 1                |

The internal survey trips were geocoded for both employees and visitors to the TAZs in the Laredo study area. The data were processed and average trip length computed for travel distance by trip purpose. It is recognized these data are based on a small number of observations but they do provide a reference of comparison with the average trip lengths found for the full work place survey shown in Table 7. Table 11 shows the average trip lengths found for the airport trips.

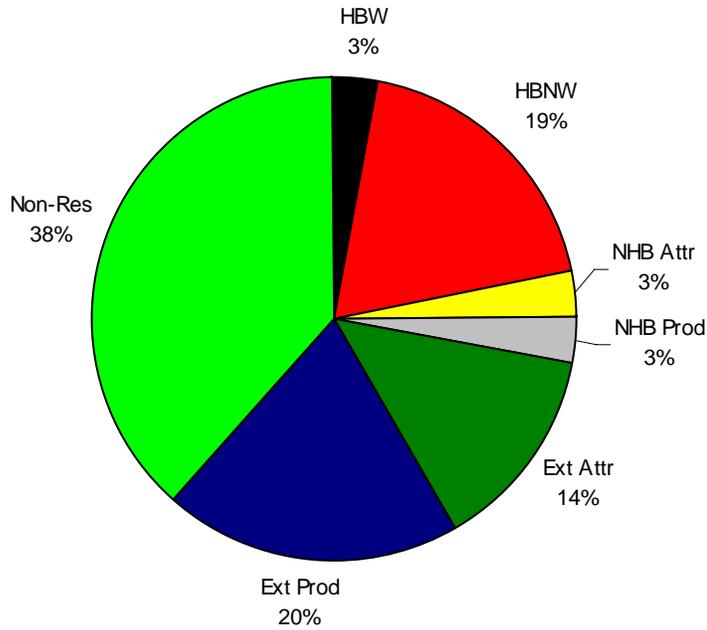
**Table 11. Average Trip Lengths for Surveyed Trips to Laredo International Airport.**

| <b>Trip Purpose/Type</b> | <b>Person Trips</b> | <b>Vehicle Trips</b> |
|--------------------------|---------------------|----------------------|
|                          | <b>Miles</b>        | <b>Miles</b>         |
| HBW                      | 5.4                 | 5.4                  |
| HBNW                     | 4.1                 | 4.0                  |
| NHB-Destinations         | 4.9                 | 4.9                  |
| Non-Residents            | 4.0                 | 4.0                  |

### **Greyhound Bus Terminal**

The bus terminal is another establishment similar to the airport in its uniqueness and impact on the Laredo area in terms of trip generation. Total employment reported at the site was 27 and 15 were reported to be at work on the day of the survey. Two employees participated in the survey and 64 visitors were surveyed. Four commercial vehicles were counted at the site. The surveyed employees reported four trips at the bus terminal and 128 trips were recorded for the visitors at the site.

Figure 19 presents the distribution of surveyed trips by trip purpose. As observed at the Laredo International Airport, the majority of trips are external and non-resident trips. Unlike the airport, the majority of arrivals and departures (55 percent) were reported as being made by bus. The reported mode of travel for the surveyed employees was driver of a vehicle. Table 12 presents the reported arrival and departure modes of travel for the visitors surveyed.



**Figure 19. Distribution of Surveyed Trips at Bus Terminal.**

Visitors were also asked their destinations for departing trips and their origination points for arriving trips. The responses are shown in Table 13. Locations in Mexico were the most frequently reported point of origin for the arrivals and the most frequent destination for those departing. San Antonio proved to be a popular choice for where people originated their travel and where they were destined. There were 10 locations out of Texas reported as either the person’s trip origin or destination. This illustrates the significant links that exist between Laredo and other places in the U.S.

**Table 12. Arrival and Departure Modes of Travel for Visitors at Bus Terminal.**

| Mode                | Arrivals  |              | Departures |              |
|---------------------|-----------|--------------|------------|--------------|
|                     | Number    | Percent      | Number     | Percent      |
| Driver              | 18        | 28.1         | 13         | 20.3         |
| Passenger           | 6         | 9.4          | 8          | 12.5         |
| Walk                | 7         | 10.9         | 2          | 3.1          |
| Bicycle             |           |              |            |              |
| Transit             | 30        | 46.9         | 41         | 64.1         |
| School Bus          |           |              |            |              |
| Taxi/Limo           | 2         | 3.1          |            |              |
| Commercial Vehicle  |           |              |            |              |
| Motorcycle          | 1         | 1.6          |            |              |
| Airplane            |           |              |            |              |
| Parking Shuttle     |           |              |            |              |
| Hotel/Motel Shuttle |           |              |            |              |
| Rental Car          |           |              |            |              |
| Other               |           |              |            |              |
| <b>Total</b>        | <b>64</b> | <b>100.0</b> | <b>64</b>  | <b>100.0</b> |

**Table 13. Reported Origins and Destinations for Bus Arrivals and Departures.**

| <b>Arrival Origin</b>  | <b>Frequency</b> | <b>Departure Destination</b> | <b>Frequency</b> |
|------------------------|------------------|------------------------------|------------------|
| Location in Mexico     | 12               | Location in Mexico           | 9                |
| San Antonio, Texas     | 6                | San Antonio, Texas           | 5                |
| Freer, Texas           | 2                | Freer, Texas                 | 2                |
| Mission, Texas         | 1                | Mission, Texas               | 1                |
| San Angelo, Texas      | 1                | Houston, Texas               | 3                |
| Waco, Texas            | 1                | Corpus Christi, Texas        | 2                |
| Austin, Texas          | 1                | Yoakum, Texas                | 1                |
| Carrizo Springs, Texas | 1                | Roma, Texas                  | 1                |
| Location in Texas      | 1                | Plainview, Texas             | 1                |
| Fairfax, Virginia      | 1                | New Orleans, Louisiana       | 1                |
| Oxnard, California     | 1                | Durham, North Carolina       | 1                |
|                        |                  | Miami Beach, Florida         | 1                |
|                        |                  | Idaho                        | 1                |
|                        |                  | Anderson, California         | 1                |
|                        |                  | Indianapolis, Indiana        | 1                |
|                        |                  | Iowa                         | 1                |
|                        |                  | Wellsboro, Pennsylvania      | 1                |
|                        |                  | Harrisburg, Virginia         | 1                |
| <b>Total</b>           | <b>28</b>        |                              | <b>34</b>        |

The internal survey trips were geocoded for both employees and visitors to the TAZs in the Laredo study area. The data were processed and average trip length computed for travel distance by trip purpose. These data are based on a small number of observations and are presented only as a reference to the average trip lengths computed for the full work place surveys as shown in Table 7. Table 14 shows the average trip lengths found for the bus terminal trips.

**Table 14. Average Trip Lengths for Surveyed Trips to Bus Terminal.**

| Trip Purpose/Type | Person Trips | Vehicle Trips |
|-------------------|--------------|---------------|
|                   | Miles        | Miles         |
| HBW               | 1.8          | 2.0           |
| HBNW              | 3.9          | 4.3           |
| NHB-Destinations  | 1.3          | 1.5           |
| Non-Residents     | 3.6          | 2.4           |

**SURVEY DATA EXPANSION**

Expansion of the work place and special generator survey data involved several techniques depending on the type of work place and survey conducted. In most work place surveys, the survey data are expanded for each individually surveyed site. These expanded data are then summed by area type and employment type to develop estimates of the trip rates by purpose for each category of area type and employment type. When this procedure was applied to the Laredo work place survey, the results were not acceptable. Much of the reason for the poor results was identified as the lack of participation of employees in the survey. Of the 97 sites with employee survey data, 44 (i.e., 45 percent) had only one employee that participated in the survey. For that reason, the data were expanded using the following steps.

1. The employee surveys were processed for each surveyed site to compute the number of person and vehicle trips by trip purpose and mode of travel. The average vehicle occupancy for each category of vehicle trips was also computed by trip purpose. The trip purpose categories used were HBW, HBNW, NHB-D, NHB-O, external destinations, external origins, and trips made by persons living outside the study area, i.e., non-residents.
2. The non-employee (visitor) surveys were processed for each surveyed site to sum the number of person and vehicle trips by trip purpose and mode of travel. The average vehicle occupancy was also computed for the vehicle trips by trip purpose. In addition to the trips by trip purpose, the number of trips reported for persons that said they did not live in the study area were summed and kept separately. These trips were not included in

the totals of visitor trips by purpose and mode. For non-free standing sites, those persons that reported their stop at the establishment was not their first stop were summed separately and not included with the other totals. These “non-counted” trips represented trips that were not attributable to the attractiveness of the establishment that was surveyed. The result of this step was total non-employee (visitor) trips to the site for HBW, HBNW, NHB-D, NHB-O, external destinations, external origins, non-residents, and not counted trips.

3. The employee and visitor survey results by trip purpose and mode of travel, including vehicle occupancy, were summed by area type and employment type.
4. The employee and visitor survey results by trip purpose and mode of travel, including vehicle occupancy were also summed by employment type.
5. Since some sites had vehicle counts and some had person counts, the summations in steps 3 and 4 were performed by two subgroups based on whether vehicle or person counts would be used to expand the survey data.
6. For each category of area type and employment type, the number of employees at work, total employment, number of vehicle counts, and number of person counts were summed for all establishments.
7. The number of surveyed employee person and vehicle trips by trip purpose and mode of travel were divided by the number of surveyed employees to produce person and vehicle trip rates by purpose and mode.
8. The trip rates computed in step 7 were multiplied by the number of employees at work. Note that this computation was applied to the aggregate number of employees at work for all sites within each category of area type and employment type. The result of this computation was an estimate of the total person and vehicle trips by trip purpose and mode of travel for all sites within each category of area type and employment type. The estimated employee person and vehicle trips by purpose and mode were then summed to produce total employee person and vehicle trips within each category of area type and employment type.
9. The number of visitor trips within each area type and employment type were computed. For sites with vehicle counts, the number of visitor vehicle trips was computed by subtracting the employee vehicle trips from the total vehicle counts. For sites with

person counts, the number of visitor person trips was computed by subtracting the employee person trips from the total person counts.

10. For situations where no survey data had been collected and data from partial surveyed sites existed, the data from the surveys summed by employment type were used.
11. The completion of steps 8 and 9 resulted in the following estimates within each category of area type and employment type:
  - a. employee vehicle trips by trip purpose and mode of travel;
  - b. employee person trips by trip purpose and mode of travel;
  - c. visitor vehicle trips for those sites with vehicle counts; and
  - d. visitor person trips for those sites with person counts.
12. The number of visitor person trips for those sites with vehicle counts was estimated by multiplying the visitor vehicle trips by the average vehicle occupancy from the surveyed visitors. In a similar manner, the number of visitor vehicle trips for those sites with person counts was estimated by dividing the visitor person trips by the average vehicle occupancy from the surveyed visitors. The total visitor person and vehicle trips were computed by summing the estimates for sites with vehicle counts and for sites with person counts.
13. The visitor person and vehicle trips by purpose and mode were estimated by distributing the totals in proportion to the observed trips from the visitor surveys. For example, if 10 percent of the surveyed visitor vehicle trips in area type 1 and employment type 1 were HBNW auto driver, then 10 percent of the total estimated visitor vehicle trips in area type 1 and employment type 1 was estimated to be HBNW auto driver.
14. The employee and visitor vehicle and person trips were summed by trip purpose and mode for each category of area type and employment type.
15. The trip rates were computed by dividing the person and vehicle trips by purpose and mode by the total employment for all sites in each category of area type and employment type. Rates for commercial vehicles were computed by dividing the commercial vehicle counts by the total employment.

Tables 15 through 21 present the results of data expansion and rate estimation for HBW, HBNW, NHB destinations, NHB origins, external destinations, external origins, and non-resident trips. Table 22 presents the rates for commercial vehicles and Table 23 presents the expanded survey results for the two special generators, Laredo International Airport and Greyhound Bus Terminal. These expanded data are only for the special generator sites surveyed.

**Table 15. Home Based Work Trips per Employee.**

| Area Type | Estimate         | Employment Type |        |         |
|-----------|------------------|-----------------|--------|---------|
|           |                  | Basic           | Retail | Service |
| CBD       | Person           | 1.28            | 1.80   | 1.40    |
|           | Vehicle          | 1.24            | 1.42   | 1.25    |
|           | No. Sites        | 8               | 28     | 7       |
|           | Total Employment | 62              | 265    | 31      |
| Urban     | Person           | 1.79            | 1.93   | 1.56    |
|           | Vehicle          | 1.51            | 1.40   | 1.13    |
|           | No. Sites        | 16              | 78     | 69      |
|           | Total Employment | 394             | 2,039  | 1,402   |
| Suburban  | Person           | 1.23            | 3.67   | 1.55    |
|           | Vehicle          | 1.17            | 2.15   | 1.29    |
|           | No. Sites        | 19              | 26     | 27      |
|           | Total Employment | 517             | 468    | 420     |
| Rural     | Person           | 1.88            | 1.98   | 1.08    |
|           | Vehicle          | 1.53            | 1.37   | 0.98    |
|           | No. Sites        | 26              | 12     | 7       |
|           | Total Employment | 817             | 185    | 105     |
| Average   | Person           | 1.65            | 2.20   | 1.53    |
|           | Vehicle          | 1.41            | 1.52   | 1.15    |
|           | No. Sites        | 69              | 144    | 110     |
|           | Total Employment | 1,790           | 2,957  | 1,958   |

**Table 16. Home Based Non - Work Trips per Employee.**

| Area Type | Estimate         | Employment Type |        |         |
|-----------|------------------|-----------------|--------|---------|
|           |                  | Basic           | Retail | Service |
| CBD       | Person           | 7.10            | 3.93   | 2.75    |
|           | Vehicle          | 5.34            | 1.75   | 1.14    |
|           | No. Sites        | 8               | 28     | 7       |
|           | Total Employment | 62              | 265    | 31      |
| Urban     | Person           | 0.36            | 17.70  | 6.04    |
|           | Vehicle          | 0.21            | 8.61   | 3.44    |
|           | No. Sites        | 16              | 78     | 69      |
|           | Total Employment | 394             | 2,039  | 1,402   |
| Suburban  | Person           | 0.49            | 30.61  | 9.45    |
|           | Vehicle          | 0.41            | 16.03  | 3.62    |
|           | No. Sites        | 19              | 26     | 27      |
|           | Total Employment | 517             | 468    | 420     |
| Rural     | Person           | 0.51            | 9.75   | 11.93   |
|           | Vehicle          | 0.51            | 6.58   | 7.04    |
|           | No. Sites        | 26              | 12     | 7       |
|           | Total Employment | 817             | 185    | 105     |
| Average   | Person           | 0.70            | 18.01  | 7.03    |
|           | Vehicle          | 0.58            | 9.04   | 3.63    |
|           | No. Sites        | 69              | 144    | 110     |
|           | Total Employment | 1,790           | 2,957  | 1,958   |

**Table 17. Non-Home Based Destinations per Employee.**

| Area Type | Estimate         | Employment Type |        |         |
|-----------|------------------|-----------------|--------|---------|
|           |                  | Basic           | Retail | Service |
| CBD       | Person           | 3.56            | 1.17   | 1.00    |
|           | Vehicle          | 2.50            | 0.43   | 0.95    |
|           | No. Sites        | 8               | 28     | 7       |
|           | Total Employment | 62              | 265    | 31      |
| Urban     | Person           | 0.78            | 3.58   | 1.33    |
|           | Vehicle          | 0.64            | 1.93   | 0.96    |
|           | No. Sites        | 16              | 78     | 69      |
|           | Total Employment | 394             | 2,039  | 1,402   |
| Suburban  | Person           | 0.62            | 5.74   | 1.87    |
|           | Vehicle          | 0.53            | 3.40   | 0.94    |
|           | No. Sites        | 19              | 26     | 27      |
|           | Total Employment | 517             | 468    | 420     |
| Rural     | Person           | 0.51            | 8.86   | 0.65    |
|           | Vehicle          | 0.42            | 6.20   | 0.43    |
|           | No. Sites        | 26              | 12     | 7       |
|           | Total Employment | 817             | 185    | 105     |
| Average   | Person           | 0.71            | 4.04   | 1.40    |
|           | Vehicle          | 0.57            | 2.29   | 0.93    |
|           | No. Sites        | 69              | 144    | 110     |
|           | Total Employment | 1,790           | 2,957  | 1,958   |

**Table 18. Non-Home Based Origins per Employee.**

| Area Type | Estimate         | Employment Type |        |         |
|-----------|------------------|-----------------|--------|---------|
|           |                  | Basic           | Retail | Service |
| CBD       | Person           | 5.52            | 3.55   | 1.27    |
|           | Vehicle          | 3.79            | 1.90   | 0.45    |
|           | No. Sites        | 8               | 28     | 7       |
|           | Total Employment | 62              | 265    | 31      |
| Urban     | Person           | 1.08            | 4.61   | 2.72    |
|           | Vehicle          | 0.82            | 2.43   | 1.54    |
|           | No. Sites        | 16              | 78     | 69      |
|           | Total Employment | 394             | 2,039  | 1,402   |
| Suburban  | Person           | 0.91            | 4.46   | 1.93    |
|           | Vehicle          | 0.72            | 2.62   | 0.92    |
|           | No. Sites        | 19              | 26     | 27      |
|           | Total Employment | 517             | 468    | 420     |
| Rural     | Person           | 0.99            | 7.47   | 3.08    |
|           | Vehicle          | 0.83            | 4.95   | 2.38    |
|           | No. Sites        | 26              | 12     | 7       |
|           | Total Employment | 817             | 185    | 105     |
| Total     | Person           | 1.14            | 4.67   | 2.54    |
|           | Vehicle          | 0.90            | 2.57   | 1.44    |
|           | No. Sites        | 69              | 144    | 110     |
|           | Total Employment | 1,790           | 2,957  | 1,958   |

**Table 19. External Destinations per Employee.**

| Area Type | Estimate         | Employment Type |        |         |
|-----------|------------------|-----------------|--------|---------|
|           |                  | Basic           | Retail | Service |
| CBD       | Person           | 4.22            | 15.76  | 10.68   |
|           | Vehicle          | 1.69            | 5.54   | 3.01    |
|           | No. Sites        | 8               | 28     | 7       |
|           | Total Employment | 62              | 265    | 31      |
| Urban     | Person           | 0.42            | 4.42   | 1.00    |
|           | Vehicle          | 0.30            | 1.84   | 0.48    |
|           | No. Sites        | 16              | 78     | 69      |
|           | Total Employment | 394             | 2,039  | 1,402   |
| Suburban  | Person           | 0.23            | 2.32   | 2.35    |
|           | Vehicle          | 0.15            | 1.14   | 0.53    |
|           | No. Sites        | 19              | 26     | 27      |
|           | Total Employment | 517             | 468    | 420     |
| Rural     | Person           | 0.25            | 6.14   | 0.20    |
|           | Vehicle          | 0.10            | 3.57   | 0.12    |
|           | No. Sites        | 26              | 12     | 7       |
|           | Total Employment | 817             | 185    | 105     |
| Total     | Person           | 0.42            | 5.21   | 1.40    |
|           | Vehicle          | 0.22            | 2.17   | 0.51    |
|           | No. Sites        | 69              | 144    | 110     |
|           | Total Employment | 1,790           | 2,957  | 1,958   |

**Table 20. External Origins per Employee.**

| Area Type | Estimate         | Employment Type |        |         |
|-----------|------------------|-----------------|--------|---------|
|           |                  | Basic           | Retail | Service |
| CBD       | Person           | 2.96            | 10.30  | 6.16    |
|           | Vehicle          | 1.32            | 3.52   | 1.88    |
|           | No. Sites        | 8               | 28     | 7       |
|           | Total Employment | 62              | 265    | 31      |
| Urban     | Person           | 0.47            | 3.54   | 0.57    |
|           | Vehicle          | 0.36            | 1.53   | 0.35    |
|           | No. Sites        | 16              | 78     | 69      |
|           | Total Employment | 394             | 2,039  | 1,402   |
| Suburban  | Person           | 0.13            | 2.60   | 1.90    |
|           | Vehicle          | 0.11            | 1.26   | 0.38    |
|           | No. Sites        | 19              | 26     | 27      |
|           | Total Employment | 517             | 468    | 420     |
| Rural     | Person           | 0.25            | 7.20   | 0.07    |
|           | Vehicle          | 0.10            | 4.94   | 0.06    |
|           | No. Sites        | 26              | 12     | 7       |
|           | Total Employment | 817             | 185    | 105     |
| Total     | Person           | 0.36            | 4.23   | 0.92    |
|           | Vehicle          | 0.20            | 1.88   | 0.36    |
|           | No. Sites        | 69              | 144    | 110     |
|           | Total Employment | 1,790           | 2,957  | 1,958   |

**Table 21. Non-Resident Trips per Employee.**

| Area Type | Estimate         | Employment Type |        |         |
|-----------|------------------|-----------------|--------|---------|
|           |                  | Basic           | Retail | Service |
| CBD       | Person           | 4.98            | 22.43  | 16.39   |
|           | Vehicle          | 2.49            | 6.61   | 4.49    |
|           | No. Sites        | 8               | 28     | 7       |
|           | Total Employment | 62              | 265    | 31      |
| Urban     | Person           | 0.16            | 4.86   | 1.24    |
|           | Vehicle          | 0.16            | 2.15   | 0.53    |
|           | No. Sites        | 16              | 78     | 69      |
|           | Total Employment | 394             | 2,039  | 1,402   |
| Suburban  | Person           | 0.24            | 2.96   | 1.38    |
|           | Vehicle          | 0.11            | 1.66   | 0.51    |
|           | No. Sites        | 19              | 26     | 27      |
|           | Total Employment | 517             | 468    | 420     |
| Rural     | Person           | 0.19            | 15.77  | 0.12    |
|           | Vehicle          | 0.10            | 8.44   | 0.06    |
|           | No. Sites        | 26              | 12     | 7       |
|           | Total Employment | 817             | 185    | 105     |
| Total     | Person           | 0.37            | 6.82   | 1.45    |
|           | Vehicle          | 0.20            | 2.87   | 0.57    |
|           | No. Sites        | 69              | 144    | 110     |
|           | Total Employment | 1,790           | 2,957  | 1,958   |

**Table 22. Commercial Vehicle Trips per Employee.**

| Area Type        | Estimate | Employment Type |        |         |
|------------------|----------|-----------------|--------|---------|
|                  |          | Basic           | Retail | Service |
| CBD              | Vehicle  | 0.07            | 0.17   | 0.17    |
| Urban            | Vehicle  | 1.13            | 0.34   | 0.21    |
| Suburban         | Vehicle  | 0.93            | 0.37   | 0.51    |
| Rural            | Vehicle  | 4.83            | 0.47   | 0.63    |
| Weighted Average | Vehicle  | 2.72            | 0.34   | 0.30    |

**Table 23. Special Generator Trips per Employee.**

| Purpose/Type          | Laredo International Airport |                    | Greyhound Bus Terminal |                    |
|-----------------------|------------------------------|--------------------|------------------------|--------------------|
|                       | Person Trips/Emp.            | Vehicle Trips/Emp. | Person Trips/Emp.      | Vehicle Trips/Emp. |
| HBW                   | 1.09                         | 0.59               | 1.15                   | 1.15               |
| HBNW                  | 5.96                         | 2.59               | 12.44                  | 7.41               |
| NHB-Destinations      | 1.24                         | 0.74               | 1.15                   | 1.48               |
| NHB-Origins           | 1.67                         | 0.75               | 1.48                   | 1.19               |
| External Destinations | 10.70                        | 4.99               | 5.33                   | 7.41               |
| External Origins      | 9.02                         | 3.47               | 12.74                  | 7.70               |
| Non-Resident          | 8.40                         | 3.66               | 18.93                  | 15.07              |
| Total                 | 38.08                        | 16.79              | 53.22                  | 41.41              |
| Total Employment      | 231                          | 234                | 27                     | 27                 |

**MODEL RATE DEVELOPMENT**

The work place survey data must be converted into recommended attraction rates for use in travel demand models. Attraction rates are estimates of the number of trips per employee that will be attracted to a site and/or zone. These are developed for each trip purpose, area type, and employment type. The rates shown in Tables 15 through 22 may be used in the travel demand model directly but these rates typically estimate more trips than those estimated from the household and other surveys. To develop rates that produce estimates more in line with those developed from the household, external station, and commercial vehicle surveys, the rates shown

in Tables 15 through 22 were applied to estimates of employment for the Laredo study area. Table 24 shows the employment estimates for the Laredo study area.

**Table 24. Employment Estimates for Laredo Study Area.**

| Area Type | Employment Type |        |         |
|-----------|-----------------|--------|---------|
|           | Basic           | Retail | Service |
| CBD       | 1,728           | 3,644  | 2,435   |
| Urban     | 13,730          | 18,651 | 15,911  |
| Suburban  | 3,470           | 2,894  | 8,207   |
| Rural     | 102             | 162    | 873     |
| Total     | 19,030          | 25,351 | 27,426  |

Estimates of trips by trip purpose were developed by multiplying the trip rates shown in Tables 15 through 22 by the employment estimates shown in Table 24. These estimates are shown in Table 25 with the estimates from the Laredo household survey, external station survey, and commercial vehicle survey.

**Table 25. Travel Estimates for Laredo.**

| Trip Purpose/Type                | Work Place Survey |         | Household Survey <sup>1</sup> |         | External Station Survey |         | Commercial Vehicle |
|----------------------------------|-------------------|---------|-------------------------------|---------|-------------------------|---------|--------------------|
|                                  | Person            | Vehicle | Person                        | Vehicle | Person                  | Vehicle | Vehicle            |
| Home Based Work                  | 126,640           | 97,287  | 109,829                       | 94,468  | -                       | -       | -                  |
| Home Based Non-Work              | 644,342           | 321,369 | 387,727                       | 189,544 | -                       | -       | -                  |
| NHB – Destinations               | 147,657           | 89,074  | 207,551                       | 116,725 | -                       | -       | -                  |
| NHB - Origins                    | 205,559           | 116,247 | -                             | -       | -                       | -       | -                  |
| External Destinations            | 222,836           | 85,374  | -                             | -       | 50,448                  | 29,851  | -                  |
| External Origins                 | 164,016           | 66,743  | -                             | -       | 50,448                  | 29,851  | -                  |
| Non-Resident                     | 266,224           | 100,853 | -                             | -       | -                       | -       | -                  |
| Commercial Vehicles <sup>2</sup> | -                 | 35,963  | -                             | -       | -                       | 18,535  | 61,850             |

<sup>1</sup> Based on the smoothed adjusted trip rates.

<sup>2</sup> Internal trips only.

The data in Table 25 indicates the estimates of HBW trips match reasonably close between the household and work place surveys. The estimates of HBNW trips from the household survey are about 60 percent of the estimates from the work place survey. The estimates of NHB destinations from the household survey match the estimates of NHB origin from the work place survey.

Typically, NHB destinations and origins are set equal in travel models. The estimates of external destinations and origins from the work place survey exceed those from the external station survey significantly. The estimates of the internal commercial vehicle trips from the work place survey did not match the estimate from the commercial vehicle survey. Based on the comparisons of trip estimates in Table 25, the decision was made to adjust the trip rates from the work place survey for HBNW, external destinations, external origins, non-resident trips and commercial vehicle trips. Non-resident trips are considered to mirror external travel characteristics in magnitude and it was believed those estimates should be adjusted in the same magnitude and direction as the external destinations and origins.

Adjustments to the rates shown in Tables 15 through 22 were made based on professional judgment as to the reasonableness of the rate, the number of sites surveyed, and the number of employees represented in the survey. Rates were not adjusted equally but an attempt was made to maintain the relative relationship between area types within employment types. Tables 26 through 32 show the final adjusted trip rates.

**Table 26. Home Based Work Attractions per Employee.**

| Area Type        | Employment Type |         |        |         |         |         |
|------------------|-----------------|---------|--------|---------|---------|---------|
|                  | Basic           |         | Retail |         | Service |         |
|                  | Person          | Vehicle | Person | Vehicle | Person  | Vehicle |
| CBD              | 1.28            | 1.24    | 1.80   | 1.42    | 1.40    | 1.25    |
| Urban            | 1.79            | 1.51    | 1.93   | 1.40    | 1.56    | 1.13    |
| Suburban         | 1.23            | 1.17    | 3.67   | 2.15    | 1.55    | 1.29    |
| Rural            | 1.88            | 1.53    | 1.98   | 1.37    | 1.08    | 0.98    |
| Weighted Average | 1.65            | 1.41    | 2.20   | 1.52    | 1.53    | 1.15    |

**Table 27. Adjusted Home Based Non-Work Attractions per Employee.**

| Area Type        | Employment Type |         |        |         |         |         |
|------------------|-----------------|---------|--------|---------|---------|---------|
|                  | Basic           |         | Retail |         | Service |         |
|                  | Person          | Vehicle | Person | Vehicle | Person  | Vehicle |
| CBD              | 0.86            | 0.65    | 3.93   | 1.75    | 2.75    | 1.14    |
| Urban            | 0.36            | 0.21    | 9.48   | 4.61    | 5.34    | 3.04    |
| Suburban         | 0.49            | 0.41    | 13.42  | 7.03    | 8.67    | 3.32    |
| Rural            | 0.51            | 0.51    | 6.05   | 4.08    | 6.24    | 3.68    |
| Weighted Average | 0.43            | 0.29    | 9.11   | 4.47    | 6.14    | 2.98    |

**Table 28. Adjusted Non-Home Based Destinations per Employee.**

| Area Type        | Employment Type |         |        |         |         |         |
|------------------|-----------------|---------|--------|---------|---------|---------|
|                  | Basic           |         | Retail |         | Service |         |
|                  | Person          | Vehicle | Person | Vehicle | Person  | Vehicle |
| CBD              | 5.52            | 3.79    | 3.55   | 1.90    | 1.27    | 0.45    |
| Urban            | 1.08            | 0.82    | 4.61   | 2.43    | 2.72    | 1.54    |
| Suburban         | 0.91            | 0.72    | 4.46   | 2.62    | 1.93    | 0.92    |
| Rural            | 0.99            | 0.83    | 7.47   | 4.95    | 3.08    | 2.38    |
| Weighted Average | 1.45            | 1.07    | 4.46   | 2.39    | 2.37    | 1.28    |

**Table 29. Adjusted Non-Home Based Origins per Employee.**

| Area Type        | Employment Type |         |        |         |         |         |
|------------------|-----------------|---------|--------|---------|---------|---------|
|                  | Basic           |         | Retail |         | Service |         |
|                  | Person          | Vehicle | Person | Vehicle | Person  | Vehicle |
| CBD              | 5.52            | 3.79    | 3.55   | 1.90    | 1.27    | 0.45    |
| Urban            | 1.08            | 0.82    | 4.61   | 2.43    | 2.72    | 1.54    |
| Suburban         | 0.91            | 0.72    | 4.46   | 2.62    | 1.93    | 0.92    |
| Rural            | 0.99            | 0.83    | 7.47   | 4.95    | 3.08    | 2.38    |
| Weighted Average | 1.45            | 1.07    | 4.46   | 2.39    | 2.37    | 1.28    |

**Table 30. Adjusted External Destinations per Employee.**

| Area Type        | Employment Type |         |        |         |         |         |
|------------------|-----------------|---------|--------|---------|---------|---------|
|                  | Basic           |         | Retail |         | Service |         |
|                  | Person          | Vehicle | Person | Vehicle | Person  | Vehicle |
| CBD              | 1.46            | 0.65    | 5.12   | 1.75    | 3.11    | 0.95    |
| Urban            | 0.24            | 0.18    | 1.74   | 0.75    | 0.29    | 0.18    |
| Suburban         | 0.07            | 0.06    | 1.30   | 0.63    | 0.30    | 0.17    |
| Rural            | 0.13            | 0.05    | 3.64   | 2.50    | 0.07    | 0.06    |
| Weighted Average | 0.32            | 0.20    | 2.19   | 0.89    | 0.54    | 0.24    |

**Table 31. Adjusted External Origins per Employee.**

| Area Type        | Employment Type |         |        |         |         |         |
|------------------|-----------------|---------|--------|---------|---------|---------|
|                  | Basic           |         | Retail |         | Service |         |
|                  | Person          | Vehicle | Person | Vehicle | Person  | Vehicle |
| CBD              | 1.46            | 0.65    | 5.12   | 1.75    | 3.11    | 0.95    |
| Urban            | 0.24            | 0.18    | 1.74   | 0.75    | 0.29    | 0.18    |
| Suburban         | 0.07            | 0.06    | 1.30   | 0.63    | 0.30    | 0.17    |
| Rural            | 0.13            | 0.05    | 3.64   | 2.50    | 0.07    | 0.06    |
| Weighted Average | 0.32            | 0.20    | 2.19   | 0.89    | 0.54    | 0.24    |

**Table 32. Adjusted Non-Resident Trips per Employee.**

| Area Type        | Employment Type |         |        |         |         |         |
|------------------|-----------------|---------|--------|---------|---------|---------|
|                  | Basic           |         | Retail |         | Service |         |
|                  | Person          | Vehicle | Person | Vehicle | Person  | Vehicle |
| CBD              | 0.70            | 0.35    | 6.52   | 1.95    | 2.37    | 0.65    |
| Urban            | 0.15            | 0.15    | 2.15   | 0.95    | 0.82    | 0.35    |
| Suburban         | 0.24            | 0.11    | 1.16   | 0.65    | 0.95    | 0.35    |
| Rural            | 0.19            | 0.10    | 1.03   | 0.55    | 0.12    | 0.06    |
| Weighted Average | 0.21            | 0.16    | 2.66   | 1.06    | 0.97    | 0.37    |

**Table 33. Special Generator Trips per Employee.**

| Purpose/Type          | Laredo International Airport |               | Greyhound Bus Terminal |               |
|-----------------------|------------------------------|---------------|------------------------|---------------|
|                       | Person Trips                 | Vehicle Trips | Person Trips           | Vehicle Trips |
| HBW                   | 1.09                         | 0.59          | 1.15                   | 1.15          |
| HBNW                  | 5.96                         | 2.59          | 12.44                  | 7.41          |
| NHB-Destinations      | 1.24                         | 0.74          | 1.15                   | 1.48          |
| NHB-Origins           | 1.67                         | 0.75          | 1.48                   | 1.19          |
| External Destinations | 10.70                        | 4.99          | 5.33                   | 7.41          |
| External Origins      | 9.02                         | 3.47          | 12.74                  | 7.70          |
| Non-Resident          | 8.40                         | 3.66          | 18.93                  | 15.07         |
| Commercial Vehicle    | 0.03                         |               | 0.15                   |               |
| Total                 | 38.07                        | 16.79         | 53.22                  | 41.41         |

**Table 34. Adjusted Commercial Vehicle Destinations/Origins per Employee.**

| Area Type        | Employment Type |        |         |
|------------------|-----------------|--------|---------|
|                  | Basic           | Retail | Service |
| CBD              | 0.14            | 0.35   | 0.25    |
| Urban            | 2.45            | 0.75   | 0.55    |
| Suburban         | 2.55            | 0.85   | 1.10    |
| Rural            | 6.95            | 0.96   | 1.26    |
| Weighted Average | 2.28            | 0.71   | 0.71    |

**RESIDENTIAL ATTRACTIONS**

One of the shortcomings of a work place survey is that it provides no information on trips that are attracted to residential land uses. Such trips, for example, could include house repair persons, maid service, yard service, etc. It is recognized that these trips occur and must be included in the travel demand model. Data on these types of trips are collected in the household survey and the expanded (smoothed and adjusted) trip estimates from the household survey were used to develop household attraction rates for modeling purposes. These rates are computed in terms of trips (person and vehicle) by trip purpose per household. Table 35 presents the residential attraction rates as computed from the expanded household survey data for Laredo.

**Table 35. Residential Attraction Rates for Laredo.**

| Trip Purpose        | Attraction Rates           |                             |
|---------------------|----------------------------|-----------------------------|
|                     | Person Trips Per Household | Vehicle Trips Per Household |
| Home Based Work     | 0.067                      | 0.057                       |
| Home Based Non-Work | 0.806                      | 0.438                       |
| Non-Home Based      | 0.675                      | 0.398                       |
| All Purposes        | 1.548                      | 0.893                       |

### **SUMMARY OF FINDINGS**

The 2003 Laredo Work Place Survey was conducted in two phases. The first phase consisted of a telephone survey of randomly selected establishments to ascertain their location in the study area in terms of area type and the type of establishment in terms of free and non-free standing. The number of establishments surveyed in Phase 1 was 208. Over 70 percent of these establishments were found to be non-free standing.

The second phase of the work place survey consisted of five data collection efforts at 89 randomly selected establishments and two data collection efforts at 233 establishments. The five data collection efforts consisted of an employee survey, a visitor (non-employee) survey, a general establishment survey, a commercial vehicle survey, and person or vehicle counts at the establishment. The two data collection efforts at the remaining establishments consisted of a survey of the establishment to determine its employment and number of employees at work on a pre-selected day and person or vehicle counts at the establishment. All person and vehicle counts were conducted during the establishments operating hours.

Two establishments were identified as special generators and the full five data collection efforts conducted at those sites. Those sites were the Laredo International Airport and the Greyhound Bus Terminal.

A total of 297 employees participated at the 89 establishments that were fully surveyed. The number of visitors surveyed at those sites totaled 2,780. Information was collected on 715 site related trips for the employees and 5,560 trips for the visitors. Certain demographic data were also collected on both employees and visitors. The average household size for those participating in the survey was 3.62. This is slightly lower than the 2000 census estimate of 3.75 persons per household. The average household income for participants was \$37,636 and the

median household income was \$29,456. The 2000 census reported the average household income for Webb County to be \$40,467 and the median household income was \$28,100.

Basic employment was found to have the smallest attraction trip rates and retail employment had the highest. The number of HBW person trip attractions per employee (average) ranged from a low of 0.98 to a high of 3.67. The number of HBNW person trip attractions per employee ranged from a low of 0.36 to a high of 30.61. The number of NHB person trip destinations per employee ranged from a low of 0.51 to a high of 8.86. The number of non-resident person trips per employee ranged from a low of 0.16 to a high of 22.43. These values represent the observed data from the survey and not the final recommendations.

Travel by non-residents in the Laredo area is a significant amount. It is estimated to be 13 percent of all internal person travel. The distribution of trips by purpose as estimated from the Laredo work place survey appear to reasonably estimate the amount of home based work travel and over estimate the amount of home based non-work travel. This is difficult to assess properly due to the proximity of Nuevo Laredo and the amount of international travel that occurs in the Laredo area.

Tables 15 through 22 show the trip rates as observed in the work place survey. These rates were adjusted based on estimates of travel from the Laredo household survey, external station survey, and commercial vehicle survey. These adjustments used estimates of employment for the Laredo study area based on the 1998 travel demand model. Tables 26 through 34 show the adjusted rates. Since adjustments to observed trip rates is highly sensitive to the amount of employment and the distribution of employment, it should be noted that additional adjustments may be necessary in the calibration phase of the travel demand model to achieve acceptable results. The rates presented in Tables 26 through 34 are recommended for use in the Laredo travel demand model subject to further adjustments to achieve acceptable results.

## **APPENDIX**



WORKPLACE SURVEY INSTRUMENTS

|   |         |
|---|---------|
| FORM A – Workplace Establishment Survey, General Information Form   | 1 Page  |
| FORM B – Employee Survey  |         |
| Part I – Household Information                                      | 1 Page  |
| Part II – Trip Information  | 8 Pages |
| FORM C – Non-Employee (Visitor) Survey, Free Standing Workplace     | 1 Page  |
| FORM D – Non Employee (Visitor) Survey, Non-Free Standing Workplace | 1 Page  |
| FORM E – Workplace Commercial Vehicle Survey                        | 2 Pages |
| Example Site Evaluation Checklist                                   | 1 Page  |
| Example Evaluation Form   | 1 Page  |



Survey Date: \_\_\_\_\_  
Record Type 9

**WORKPLACE ESTABLISHMENT SURVEY  
Form A**

Site # \_\_\_\_\_  
SIC Code: \_\_\_\_\_  
Serial Code: \_\_\_\_\_  
Area Type : \_\_\_\_\_  
Employment Type: \_\_\_\_\_  
 Free Standing  
 Non-Free Standing

**Workplace Information**

\_\_\_\_\_  
Name  
\_\_\_\_\_  
Street Address  
\_\_\_\_\_  
City State Zip Code Telephone

**Management Information**

CEO/Administrator Name: \_\_\_\_\_ Telephone: \_\_\_\_\_  
Title: \_\_\_\_\_  
Personnel Manager Name: \_\_\_\_\_ Telephone: \_\_\_\_\_  
or Other Contact Title: \_\_\_\_\_  
Security Director Name : \_\_\_\_\_ Telephone: \_\_\_\_\_  
Title: \_\_\_\_\_

**Traffic Counts / Hours of Operation**

Weekday Hours of Operation: \_\_\_\_\_  
Commercial Vehicle Count<sup>1</sup> \_\_\_\_\_ Vehicle Count<sup>2</sup> \_\_\_\_\_ Person Count<sup>1</sup> \_\_\_\_\_

**Employment Information**

Total Employees (Full and part time): \_\_\_\_\_ Number at Work on Survey Day: \_\_\_\_\_  
If multiple shifts \_\_\_\_\_ Times If multiple shifts: \_\_\_\_\_ Number of employees per shift

**Parking Information (Optional)**

Parking Spaces: \_\_\_\_\_ Number & Location Parking Fee(s): \_\_\_\_\_

**Delivery Information**

Loading Docks: \_\_\_\_\_ Number and Location(s)  
Delivery Hours (If Restricted) \_\_\_\_\_ No. of Deliveries on Day of Survey \_\_\_\_\_

**Transit Information**

Bus Stops(s): \_\_\_\_\_ Number and Location(s)  
Bus Route(s): \_\_\_\_\_ Name(s)/Numbers(s)

**Layout / Site Plan**

Requested: \_\_\_\_\_ Date Location  
Received: \_\_\_\_\_ Date Location

<sup>1</sup> Total Count During Hours of Operation  
<sup>2</sup> 24-Hour Count

**WORKPLACE EMPLOYEE SURVEY  
Form B**

Record Types 5 & 6

Survey Location \_\_\_\_\_

Sample Number \_\_\_\_\_

Site Number \_\_\_\_\_

Travel Day (Month/Day) \_\_\_\_\_

**PART 1: HOUSEHOLD INFORMATION**

(if you have participated in prior survey, please fill out this form anyway)

Employee's  
Home Address \_\_\_\_\_

Street Address \_\_\_\_\_

City \_\_\_\_\_

County \_\_\_\_\_

State \_\_\_\_\_

Zip Code \_\_\_\_\_

How many people live at your home address? (Do not count guests) \_\_\_\_\_

How many people in your household (including yourself) are employed (Include full and part-time)? \_\_\_\_\_

How many vehicles (cars, vans, light trucks, motorcycles) are available for use by members of your household? \_\_\_\_\_

**Please list all vehicles available to your household (including company cars, rental cars, motorcycles, etc) and complete the following:**

| Veh. No. | Year | Make | Model | Vehicle Type  | Circle One  | Odometer Readings on Travel Day       |        |
|----------|------|------|-------|---|---|---------------------------------------|--------|
|          |      |      |       |   |   | Beginning                             | Ending |
| 1        |      |      |       | <input type="checkbox"/> motorcycle<br><input type="checkbox"/> car<br><input type="checkbox"/> van<br><input type="checkbox"/> SUV | <input type="checkbox"/> pickup truck<br><input type="checkbox"/> cargo van<br><input type="checkbox"/> other<br><input type="checkbox"/> unknown | 1) Diesel<br>2) Gas<br>3) Other _____ |        |
| 2        |      |      |       | <input type="checkbox"/> motorcycle<br><input type="checkbox"/> car<br><input type="checkbox"/> van<br><input type="checkbox"/> SUV | <input type="checkbox"/> pickup truck<br><input type="checkbox"/> cargo van<br><input type="checkbox"/> other<br><input type="checkbox"/> unknown | 1) Diesel<br>2) Gas<br>3) Other _____ |        |
| 3        |      |      |       | <input type="checkbox"/> motorcycle<br><input type="checkbox"/> car<br><input type="checkbox"/> van<br><input type="checkbox"/> SUV | <input type="checkbox"/> pickup truck<br><input type="checkbox"/> cargo van<br><input type="checkbox"/> other<br><input type="checkbox"/> unknown | 1) Diesel<br>2) Gas<br>3) Other _____ |        |
| 4        |      |      |       | <input type="checkbox"/> motorcycle<br><input type="checkbox"/> car<br><input type="checkbox"/> van<br><input type="checkbox"/> SUV | <input type="checkbox"/> pickup truck<br><input type="checkbox"/> cargo van<br><input type="checkbox"/> other<br><input type="checkbox"/> unknown | 1) Diesel<br>2) Gas<br>3) Other _____ |        |
| 5        |      |      |       | <input type="checkbox"/> motorcycle<br><input type="checkbox"/> car<br><input type="checkbox"/> van<br><input type="checkbox"/> SUV | <input type="checkbox"/> pickup truck<br><input type="checkbox"/> cargo van<br><input type="checkbox"/> other<br><input type="checkbox"/> unknown | 1) Diesel<br>2) Gas<br>3) Other _____ |        |
| 6        |      |      |       | <input type="checkbox"/> motorcycle<br><input type="checkbox"/> car<br><input type="checkbox"/> van<br><input type="checkbox"/> SUV | <input type="checkbox"/> pickup truck<br><input type="checkbox"/> cargo van<br><input type="checkbox"/> other<br><input type="checkbox"/> unknown | 1) Diesel<br>2) Gas<br>3) Other _____ |        |
| 7        |      |      |       | <input type="checkbox"/> motorcycle<br><input type="checkbox"/> car<br><input type="checkbox"/> van<br><input type="checkbox"/> SUV | <input type="checkbox"/> pickup truck<br><input type="checkbox"/> cargo van<br><input type="checkbox"/> other<br><input type="checkbox"/> unknown | 1) Diesel<br>2) Gas<br>3) Other _____ |        |

If you add up the annual incomes of all members of the household, into what range does it fall? (Check one)

- |  |   |   |
|--|---|---|
| 1) <input type="checkbox"/> Less than \$5,000    | 6) <input type="checkbox"/> \$25,000 to \$29,999  | 11) <input type="checkbox"/> \$60,000 to \$74,999   |
| 2) <input type="checkbox"/> \$5,000 to \$9,999   | 7) <input type="checkbox"/> \$30,000 to \$34,999  | 12) <input type="checkbox"/> \$75,000 to \$99,999   |
| 3) <input type="checkbox"/> \$10,000 to \$14,999 | 8) <input type="checkbox"/> \$35,000 to \$39,999  | 13) <input type="checkbox"/> \$100,000 to \$124,999 |
| 4) <input type="checkbox"/> \$15,000 to \$19,999 | 9) <input type="checkbox"/> \$40,000 to \$49,999  | 14) <input type="checkbox"/> \$125,000 to \$149,999 |
| 5) <input type="checkbox"/> \$20,000 to \$24,999 | 10) <input type="checkbox"/> \$50,000 to \$59,999 | 15) <input type="checkbox"/> \$150,000 or more      |

This completes the general information needed. Please fill out the attached travel questionnaire to record the trips that you make on the travel day. Thank you for your help.

Record Type 7

**Form B - PART 2: TRIP INFORMATION**

SITE # \_\_\_\_\_

SAMPLE # \_\_\_\_\_

**BEGIN:** MY FIRST TRIP TODAY BEGAN AT:  (1) Home  (2) Work  (99) Other Location

\_\_\_\_\_  
(Fill in address)

\_\_\_\_\_  
(Place/address or nearest intersection, city, county, state, zip code)

PLEASE ENTER YOUR:

TRAVEL DAY: \_\_\_\_\_

DEPARTURE TIME: \_\_\_\_\_ am / pm

| Location Address  | When did you get here/ leave here?  | Type of activity at this location (check one)  | Purpose of Trip (check one)  | Mode of Transportation (check one)   | Total number of people in car/truck/van (including self) | If driver, what vehicle was used? (make/model)   | If bus, What was the fare? How did you get to the bus stop?   |
|---|---|--|--|--|--|--|---|
| <p><b>I. FIRST I WENT TO:</b></p> <p>_____<br/>Name of Place</p> <p>_____<br/>Address, or nearest intersection or landmark</p> <p>_____<br/>City/State/Zip</p> <p>If this place is outside of the Webb County area, what roadway were You on when you entered the area?</p> <p>_____<br/>(roadname)</p> <p>Do you normally work at or out of this location?<br/> <input type="checkbox"/> Yes <input type="checkbox"/> No</p> | <p>Arrive</p> <p>_____<br/>a.m.<br/>_____<br/>p.m.</p> <p>Depart</p> <p>_____<br/>a.m.<br/>_____<br/>p.m.</p> | <input type="checkbox"/> (0) Residential<br><input type="checkbox"/> (1) Office<br><input type="checkbox"/> (2) Retail/Restaurant<br><input type="checkbox"/> (3) Industrial/ Manufacturing<br><input type="checkbox"/> (4) Medical<br><input type="checkbox"/> (5) Education – Day Care/ K-12 <sup>th</sup><br><input type="checkbox"/> (6) Education- College, Trade, other<br><input type="checkbox"/> (7) Government<br><input type="checkbox"/> (8) Convenience/Gas Store<br><input type="checkbox"/> (9) Park/Open Space<br><input type="checkbox"/> (10) Other<br><input type="checkbox"/> (99) Unknown/Refused | <input type="checkbox"/> (1) Return Home<br><input type="checkbox"/> (2) Go to Work<br><input type="checkbox"/> (3) Work Related<br><input type="checkbox"/> (4) School<br><input type="checkbox"/> (5) Social/Recreation<br><input type="checkbox"/> (6) Eat Out<br><input type="checkbox"/> (7) Shop<br><input type="checkbox"/> (8) Pick up/Drop off Passenger<br><input type="checkbox"/> (9) Change Travel Mode<br><input type="checkbox"/> (10) Personal Business<br><input type="checkbox"/> (11) Other _____ | <input type="checkbox"/> (1) Driver (car/truck/van)<br><input type="checkbox"/> (2) Passenger (car/truck/van)<br><input type="checkbox"/> (3) Walk<br><input type="checkbox"/> (4) Bicycle<br><input type="checkbox"/> (5) Bus<br><input type="checkbox"/> (6) School Bus<br><input type="checkbox"/> (7) Taxi/Paid Limousine<br><input type="checkbox"/> (8) Commercial Vehicle<br><input type="checkbox"/> (9) Motorcycle<br><input type="checkbox"/> (10) Other _____ | <p>_____</p> <p>number of people</p>                     | <p>_____<br/>Year</p> <p>_____<br/>Make</p> <p>_____<br/>Model</p> <p><b>If you paid parking, what was parking cost?</b></p> <p>\$_____.____</p> <p>per<br/> <input type="checkbox"/> Hour<br/> <input type="checkbox"/> Day<br/> <input type="checkbox"/> Month</p> | <p>Fare:<br/>\$ _____</p> <p><input type="checkbox"/> (1) Drove and parked<br/> <input type="checkbox"/> (2) Dropped off<br/> <input type="checkbox"/> (3) Walked<br/> <input type="checkbox"/> (4) Carpooled<br/> <input type="checkbox"/> (5) Other _____</p> |

**Form B - PART 2: TRIP INFORMATION (continued)**

| Location Address   | When did you get here/ leave here?  | Type of activity at this location (check one)  | Purpose of Trip (check one)   | Mode of Transportation (check one)  | Total number of people in car/truck/van (including self)  | If driver, what vehicle was used? (make/model)  | If bus, What was the fare? How did you get to the bus stop?  |
|--|---|--|---|---|---|---|--|
| <p><b>2. NEXT I WENT TO:</b></p> <p>_____</p> <p>Name of Place</p> <p>_____</p> <p>Address, or nearest intersection or landmark</p> <p>_____</p> <p>City/State/Zip</p> <p>If this place is outside of the Webb County area, what roadway were you on when you entered the area?</p> <p>_____</p> <p>(roadname)</p> <p>Do you normally work at or out of this location?</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> | <p>Arrive</p> <p>_____</p> <p>a.m.</p> <p>_____</p> <p>p.m.</p> <p>Depart</p> <p>_____</p> <p>a.m.</p> <p>_____</p> <p>p.m.</p> | <p><input type="checkbox"/> (0) Residential</p> <p><input type="checkbox"/> (1) Office</p> <p><input type="checkbox"/> (2) Retail/Restaurant</p> <p><input type="checkbox"/> (3) Industrial/ Manufacturing</p> <p><input type="checkbox"/> (4) Medical</p> <p><input type="checkbox"/> (5) Education – Day Care/ K-12<sup>th</sup></p> <p><input type="checkbox"/> (6) Education- College, Trade, other</p> <p><input type="checkbox"/> (7) Government</p> <p><input type="checkbox"/> (8) Convenience/Gas Store</p> <p><input type="checkbox"/> (9) Park/Open Space</p> <p><input type="checkbox"/> (10) Other</p> <p><input type="checkbox"/> (99) Unknown/Refused</p> | <p><input type="checkbox"/> (1) Return Home</p> <p><input type="checkbox"/> (2) Go to Work</p> <p><input type="checkbox"/> (3) Work Related</p> <p><input type="checkbox"/> (4) School</p> <p><input type="checkbox"/> (5) Social/Recreation</p> <p><input type="checkbox"/> (6) Eat Out</p> <p><input type="checkbox"/> (7) Shop</p> <p><input type="checkbox"/> (8) Pick up/Drop off Passenger</p> <p><input type="checkbox"/> (9) Change Travel Mode</p> <p><input type="checkbox"/> (10) Personal Business</p> <p><input type="checkbox"/> (11) Other _____</p> | <p><input type="checkbox"/> (1) Driver (car/truck/van)</p> <p><input type="checkbox"/> (2) Passenger (car/truck/van)</p> <p><input type="checkbox"/> (3) Walk</p> <p><input type="checkbox"/> (4) Bicycle</p> <p><input type="checkbox"/> (5) Bus</p> <p><input type="checkbox"/> (6) School Bus</p> <p><input type="checkbox"/> (7) Taxi/Paid Limousine</p> <p><input type="checkbox"/> (8) Commercial Vehicle</p> <p><input type="checkbox"/> (9) Motorcycle</p> <p><input type="checkbox"/> (10) Other _____</p> | <p>_____</p> <p>number of people</p> <p><b>If you paid parking, what was parking cost?</b></p> <p>\$_____</p> | <p>_____</p> <p>Year</p> <p>_____</p> <p>Make</p> <p>_____</p> <p>Model</p> <p>per</p> <p><input type="checkbox"/> Hour</p> <p><input type="checkbox"/> Day</p> <p><input type="checkbox"/> Month</p> | <p>Fare:</p> <p>\$ _____</p> <p><input type="checkbox"/> (1) Drove and parked</p> <p><input type="checkbox"/> (2) Dropped off</p> <p><input type="checkbox"/> (3) Walked</p> <p><input type="checkbox"/> (4) Carpooled</p> <p><input type="checkbox"/> (5) Other _____</p> |
| <p><b>Location Address</b></p>   | <p><b>When did you get here/ leave here?</b></p>  | <p><b>Type of activity at this location (check one)</b></p>  | <p><b>Purpose of Trip (check one)</b></p>   | <p><b>Mode of Transportation (check one)</b></p>  | <p><b>Total number of people in car/truck/van (including self)</b></p>  | <p><b>If driver, what vehicle was used? (make/model)</b></p>  | <p><b>If bus, What was the fare? How did you get to the bus stop?</b></p>  |
| <p><b>3. NEXT I WENT TO:</b></p> <p>_____</p> <p>Name of Place</p> <p>_____</p> <p>Address, or nearest intersection or landmark</p> <p>_____</p> <p>City/State/Zip</p> <p>If this place is outside of the Webb County area, what roadway were you on when you entered the area?</p> <p>_____</p> <p>(roadname)</p> <p>Do you normally work at or out of this location?</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> | <p>Arrive</p> <p>_____</p> <p>a.m.</p> <p>_____</p> <p>p.m.</p> <p>Depart</p> <p>_____</p> <p>a.m.</p> <p>_____</p> <p>p.m.</p> | <p><input type="checkbox"/> (0) Residential</p> <p><input type="checkbox"/> (1) Office</p> <p><input type="checkbox"/> (2) Retail/Restaurant</p> <p><input type="checkbox"/> (3) Industrial/ Manufacturing</p> <p><input type="checkbox"/> (4) Medical</p> <p><input type="checkbox"/> (5) Education – Day Care/ K-12<sup>th</sup></p> <p><input type="checkbox"/> (6) Education- College, Trade, other</p> <p><input type="checkbox"/> (7) Government</p> <p><input type="checkbox"/> (8) Convenience/Gas Store</p> <p><input type="checkbox"/> (9) Park/Open Space</p> <p><input type="checkbox"/> (10) Other</p> <p><input type="checkbox"/> (99) Unknown/Refused</p> | <p><input type="checkbox"/> (1) Return Home</p> <p><input type="checkbox"/> (2) Go to Work</p> <p><input type="checkbox"/> (3) Work Related</p> <p><input type="checkbox"/> (4) School</p> <p><input type="checkbox"/> (5) Social/Recreation</p> <p><input type="checkbox"/> (6) Eat Out</p> <p><input type="checkbox"/> (7) Shop</p> <p><input type="checkbox"/> (8) Pick up/Drop off Passenger</p> <p><input type="checkbox"/> (9) Change Travel Mode</p> <p><input type="checkbox"/> (10) Personal Business</p> <p><input type="checkbox"/> (11) Other _____</p> | <p><input type="checkbox"/> (1) Driver (car/truck/van)</p> <p><input type="checkbox"/> (2) Passenger (car/truck/van)</p> <p><input type="checkbox"/> (3) Walk</p> <p><input type="checkbox"/> (4) Bicycle</p> <p><input type="checkbox"/> (5) Bus</p> <p><input type="checkbox"/> (6) School Bus</p> <p><input type="checkbox"/> (7) Taxi/Paid Limousine</p> <p><input type="checkbox"/> (8) Commercial Vehicle</p> <p><input type="checkbox"/> (9) Motorcycle</p> <p><input type="checkbox"/> (10) Other _____</p> | <p>_____</p> <p>number of people</p> <p><b>If you paid parking, what was parking cost?</b></p> <p>\$_____</p> | <p>_____</p> <p>Year</p> <p>_____</p> <p>Make</p> <p>_____</p> <p>Model</p> <p>per</p> <p><input type="checkbox"/> Hour</p> <p><input type="checkbox"/> Day</p> <p><input type="checkbox"/> Month</p> | <p>Fare:</p> <p>\$ _____</p> <p><input type="checkbox"/> (1) Drove and parked</p> <p><input type="checkbox"/> (2) Dropped off</p> <p><input type="checkbox"/> (3) Walked</p> <p><input type="checkbox"/> (4) Carpooled</p> <p><input type="checkbox"/> (5) Other _____</p> |

**Form B - PART 2: TRIP INFORMATION (continued)**

| Location Address   | When did you get here/ leave here?  | Type of activity at this location (check one)  | Purpose of Trip (check one)   | Mode of Transportation (check one)  | Total number of people in car/truck/van (including self)  | If driver, what vehicle was used? (make/model)  | If bus, What was the fare? How did you get to the bus stop?  |
|--|---|--|---|---|---|---|--|
| <p><b>4. NEXT I WENT TO:</b></p> <p>_____</p> <p>Name of Place</p> <p>_____</p> <p>Address, or nearest intersection or landmark</p> <p>_____</p> <p>City/State/Zip</p> <p>If this place is outside of the Webb County area, what roadway were you on when you entered the area?</p> <p>_____</p> <p>(roadname)</p> <p>Do you normally work at or out of this location?</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> | <p>Arrive</p> <p>_____</p> <p>a.m.</p> <p>_____</p> <p>p.m.</p> <p>Depart</p> <p>_____</p> <p>a.m.</p> <p>_____</p> <p>p.m.</p> | <p><input type="checkbox"/> (0) Residential</p> <p><input type="checkbox"/> (1) Office</p> <p><input type="checkbox"/> (2) Retail/Restaurant</p> <p><input type="checkbox"/> (3) Industrial/ Manufacturing</p> <p><input type="checkbox"/> (4) Medical</p> <p><input type="checkbox"/> (5) Education – Day Care/ K-12<sup>th</sup></p> <p><input type="checkbox"/> (6) Education- College, Trade, other</p> <p><input type="checkbox"/> (7) Government</p> <p><input type="checkbox"/> (8) Convenience/Gas Store</p> <p><input type="checkbox"/> (9) Park/Open Space</p> <p><input type="checkbox"/> (10) Other</p> <p><input type="checkbox"/> (99) Unknown/Refused</p> | <p><input type="checkbox"/> (1) Return Home</p> <p><input type="checkbox"/> (2) Go to Work</p> <p><input type="checkbox"/> (3) Work Related</p> <p><input type="checkbox"/> (4) School</p> <p><input type="checkbox"/> (5) Social/Recreation</p> <p><input type="checkbox"/> (6) Eat Out</p> <p><input type="checkbox"/> (7) Shop</p> <p><input type="checkbox"/> (8) Pick up/Drop off Passenger</p> <p><input type="checkbox"/> (9) Change Travel Mode</p> <p><input type="checkbox"/> (10) Personal Business</p> <p><input type="checkbox"/> (11) Other _____</p> | <p><input type="checkbox"/> (1) Driver (car/truck/van)</p> <p><input type="checkbox"/> (2) Passenger (car/truck/van)</p> <p><input type="checkbox"/> (3) Walk</p> <p><input type="checkbox"/> (4) Bicycle</p> <p><input type="checkbox"/> (5) Bus</p> <p><input type="checkbox"/> (6) School Bus</p> <p><input type="checkbox"/> (7) Taxi/Paid Limousine</p> <p><input type="checkbox"/> (8) Commercial Vehicle</p> <p><input type="checkbox"/> (9) Motorcycle</p> <p><input type="checkbox"/> (10) Other _____</p> | <p>_____</p> <p>number of people</p> <p><b>If you paid parking, what was parking cost?</b></p> <p>\$_____</p> | <p>_____</p> <p>Year</p> <p>_____</p> <p>Make</p> <p>_____</p> <p>Model</p> <p>per</p> <p><input type="checkbox"/> Hour</p> <p><input type="checkbox"/> Day</p> <p><input type="checkbox"/> Month</p> | <p>Fare:</p> <p>\$ _____</p> <p><input type="checkbox"/> (1) Drove and parked</p> <p><input type="checkbox"/> (2) Dropped off</p> <p><input type="checkbox"/> (3) Walked</p> <p><input type="checkbox"/> (4) Carpooled</p> <p><input type="checkbox"/> (5) Other _____</p> |
| <p><b>Location Address</b></p>   | <p><b>When did you get here/ leave here?</b></p>  | <p><b>Type of activity at this location (check one)</b></p>  | <p><b>Purpose of Trip (check one)</b></p>   | <p><b>Mode of Transportation (check one)</b></p>  | <p><b>Total number of people in car/truck/van (including self)</b></p>  | <p><b>If driver, what vehicle was used? (make/model)</b></p>  | <p><b>If bus, What was the fare? How did you get to the bus stop?</b></p>  |
| <p><b>5. NEXT I WENT TO:</b></p> <p>_____</p> <p>Name of Place</p> <p>_____</p> <p>Address, or nearest intersection or landmark</p> <p>_____</p> <p>City/State/Zip</p> <p>If this place is outside of the Webb County area, what roadway were you on when you entered the area?</p> <p>_____</p> <p>(roadname)</p> <p>Do you normally work at or out of this location?</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> | <p>Arrive</p> <p>_____</p> <p>a.m.</p> <p>_____</p> <p>p.m.</p> <p>Depart</p> <p>_____</p> <p>a.m.</p> <p>_____</p> <p>p.m.</p> | <p><input type="checkbox"/> (0) Residential</p> <p><input type="checkbox"/> (1) Office</p> <p><input type="checkbox"/> (2) Retail/Restaurant</p> <p><input type="checkbox"/> (3) Industrial/ Manufacturing</p> <p><input type="checkbox"/> (4) Medical</p> <p><input type="checkbox"/> (5) Education – Day Care/ K-12<sup>th</sup></p> <p><input type="checkbox"/> (6) Education- College, Trade, other</p> <p><input type="checkbox"/> (7) Government</p> <p><input type="checkbox"/> (8) Convenience/Gas Store</p> <p><input type="checkbox"/> (9) Park/Open Space</p> <p><input type="checkbox"/> (10) Other</p> <p><input type="checkbox"/> (99) Unknown/Refused</p> | <p><input type="checkbox"/> (1) Return Home</p> <p><input type="checkbox"/> (2) Go to Work</p> <p><input type="checkbox"/> (3) Work Related</p> <p><input type="checkbox"/> (4) School</p> <p><input type="checkbox"/> (5) Social/Recreation</p> <p><input type="checkbox"/> (6) Eat Out</p> <p><input type="checkbox"/> (7) Shop</p> <p><input type="checkbox"/> (8) Pick up/Drop off Passenger</p> <p><input type="checkbox"/> (9) Change Travel Mode</p> <p><input type="checkbox"/> (10) Personal Business</p> <p><input type="checkbox"/> (11) Other _____</p> | <p><input type="checkbox"/> (1) Driver (car/truck/van)</p> <p><input type="checkbox"/> (2) Passenger (car/truck/van)</p> <p><input type="checkbox"/> (3) Walk</p> <p><input type="checkbox"/> (4) Bicycle</p> <p><input type="checkbox"/> (5) Bus</p> <p><input type="checkbox"/> (6) School Bus</p> <p><input type="checkbox"/> (7) Taxi/Paid Limousine</p> <p><input type="checkbox"/> (8) Commercial Vehicle</p> <p><input type="checkbox"/> (9) Motorcycle</p> <p><input type="checkbox"/> (10) Other _____</p> | <p>_____</p> <p>number of people</p> <p><b>If you paid parking, what was parking cost?</b></p> <p>\$_____</p> | <p>_____</p> <p>Year</p> <p>_____</p> <p>Make</p> <p>_____</p> <p>Model</p> <p>per</p> <p><input type="checkbox"/> Hour</p> <p><input type="checkbox"/> Day</p> <p><input type="checkbox"/> Month</p> | <p>Fare:</p> <p>\$ _____</p> <p><input type="checkbox"/> (1) Drove and parked</p> <p><input type="checkbox"/> (2) Dropped off</p> <p><input type="checkbox"/> (3) Walked</p> <p><input type="checkbox"/> (4) Carpooled</p> <p><input type="checkbox"/> (5) Other _____</p> |

**Form B - PART 2: TRIP INFORMATION (continued)**

| Location Address   | When did you get here/ leave here?  | Type of activity at this location (check one)  | Purpose of Trip (check one)   | Mode of Transportation (check one)  | Total number of people in car/truck/van (including self)  | If driver, what vehicle was used? (make/model)  | If bus, What was the fare? How did you get to the bus stop?  |
|--|---|--|---|---|---|---|--|
| <p><b>6. NEXT I WENT TO:</b></p> <p>_____</p> <p>Name of Place</p> <p>_____</p> <p>Address, or nearest intersection or landmark</p> <p>_____</p> <p>City/State/Zip</p> <p>If this place is outside of the Webb County area, what roadway were you on when you entered the area?</p> <p>_____</p> <p>(roadname)</p> <p>Do you normally work at or out of this location?</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> | <p>Arrive</p> <p>_____</p> <p>a.m.</p> <p>_____</p> <p>p.m.</p> <p>Depart</p> <p>_____</p> <p>a.m.</p> <p>_____</p> <p>p.m.</p> | <p><input type="checkbox"/> (0) Residential</p> <p><input type="checkbox"/> (1) Office</p> <p><input type="checkbox"/> (2) Retail/Restaurant</p> <p><input type="checkbox"/> (3) Industrial/ Manufacturing</p> <p><input type="checkbox"/> (4) Medical</p> <p><input type="checkbox"/> (5) Education – Day Care/ K-12<sup>th</sup></p> <p><input type="checkbox"/> (6) Education- College, Trade, other</p> <p><input type="checkbox"/> (7) Government</p> <p><input type="checkbox"/> (8) Convenience/Gas Store</p> <p><input type="checkbox"/> (9) Park/Open Space</p> <p><input type="checkbox"/> (10) Other</p> <p><input type="checkbox"/> (99) Unknown/Refused</p> | <p><input type="checkbox"/> (1) Return Home</p> <p><input type="checkbox"/> (2) Go to Work</p> <p><input type="checkbox"/> (3) Work Related</p> <p><input type="checkbox"/> (4) School</p> <p><input type="checkbox"/> (5) Social/Recreation</p> <p><input type="checkbox"/> (6) Eat Out</p> <p><input type="checkbox"/> (7) Shop</p> <p><input type="checkbox"/> (8) Pick up/Drop off Passenger</p> <p><input type="checkbox"/> (9) Change Travel Mode</p> <p><input type="checkbox"/> (10) Personal Business</p> <p><input type="checkbox"/> (11) Other _____</p> | <p><input type="checkbox"/> (1) Driver (car/truck/van)</p> <p><input type="checkbox"/> (2) Passenger (car/truck/van)</p> <p><input type="checkbox"/> (3) Walk</p> <p><input type="checkbox"/> (4) Bicycle</p> <p><input type="checkbox"/> (5) Bus</p> <p><input type="checkbox"/> (6) School Bus</p> <p><input type="checkbox"/> (7) Taxi/Paid Limousine</p> <p><input type="checkbox"/> (8) Commercial Vehicle</p> <p><input type="checkbox"/> (9) Motorcycle</p> <p><input type="checkbox"/> (10) Other _____</p> | <p>_____</p> <p>number of people</p> <p><b>If you paid parking, what was parking cost?</b></p> <p>\$_____</p> | <p>_____</p> <p>Year</p> <p>_____</p> <p>Make</p> <p>_____</p> <p>Model</p> <p>per</p> <p><input type="checkbox"/> Hour</p> <p><input type="checkbox"/> Day</p> <p><input type="checkbox"/> Month</p> | <p>Fare:</p> <p>\$ _____</p> <p><input type="checkbox"/> (1) Drove and parked</p> <p><input type="checkbox"/> (2) Dropped off</p> <p><input type="checkbox"/> (3) Walked</p> <p><input type="checkbox"/> (4) Carpooled</p> <p><input type="checkbox"/> (5) Other _____</p> |
| <p><b>Location Address</b></p>   | <p><b>When did you get here/ leave here?</b></p>  | <p><b>Type of activity at this location (check one)</b></p>  | <p><b>Purpose of Trip (check one)</b></p>   | <p><b>Mode of Transportation (check one)</b></p>  | <p><b>Total number of people in car/truck/van (including self)</b></p>  | <p><b>If driver, what vehicle was used? (make/model)</b></p>  | <p><b>If bus, What was the fare? How did you get to the bus stop?</b></p>  |
| <p><b>7. NEXT I WENT TO:</b></p> <p>_____</p> <p>Name of Place</p> <p>_____</p> <p>Address, or nearest intersection or landmark</p> <p>_____</p> <p>City/State/Zip</p> <p>If this place is outside of the Webb County area, what roadway were you on when you entered the area?</p> <p>_____</p> <p>(roadname)</p> <p>Do you normally work at or out of this location?</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> | <p>Arrive</p> <p>_____</p> <p>a.m.</p> <p>_____</p> <p>p.m.</p> <p>Depart</p> <p>_____</p> <p>a.m.</p> <p>_____</p> <p>p.m.</p> | <p><input type="checkbox"/> (0) Residential</p> <p><input type="checkbox"/> (1) Office</p> <p><input type="checkbox"/> (2) Retail/Restaurant</p> <p><input type="checkbox"/> (3) Industrial/ Manufacturing</p> <p><input type="checkbox"/> (4) Medical</p> <p><input type="checkbox"/> (5) Education – Day Care/ K-12<sup>th</sup></p> <p><input type="checkbox"/> (6) Education- College, Trade, other</p> <p><input type="checkbox"/> (7) Government</p> <p><input type="checkbox"/> (8) Convenience/Gas Store</p> <p><input type="checkbox"/> (9) Park/Open Space</p> <p><input type="checkbox"/> (10) Other</p> <p><input type="checkbox"/> (99) Unknown/Refused</p> | <p><input type="checkbox"/> (1) Return Home</p> <p><input type="checkbox"/> (2) Go to Work</p> <p><input type="checkbox"/> (3) Work Related</p> <p><input type="checkbox"/> (4) School</p> <p><input type="checkbox"/> (5) Social/Recreation</p> <p><input type="checkbox"/> (6) Eat Out</p> <p><input type="checkbox"/> (7) Shop</p> <p><input type="checkbox"/> (8) Pick up/Drop off Passenger</p> <p><input type="checkbox"/> (9) Change Travel Mode</p> <p><input type="checkbox"/> (10) Personal Business</p> <p><input type="checkbox"/> (11) Other _____</p> | <p><input type="checkbox"/> (1) Driver (car/truck/van)</p> <p><input type="checkbox"/> (2) Passenger (car/truck/van)</p> <p><input type="checkbox"/> (3) Walk</p> <p><input type="checkbox"/> (4) Bicycle</p> <p><input type="checkbox"/> (5) Bus</p> <p><input type="checkbox"/> (6) School Bus</p> <p><input type="checkbox"/> (7) Taxi/Paid Limousine</p> <p><input type="checkbox"/> (8) Commercial Vehicle</p> <p><input type="checkbox"/> (9) Motorcycle</p> <p><input type="checkbox"/> (10) Other _____</p> | <p>_____</p> <p>number of people</p> <p><b>If you paid parking, what was parking cost?</b></p> <p>\$_____</p> | <p>_____</p> <p>Year</p> <p>_____</p> <p>Make</p> <p>_____</p> <p>Model</p> <p>per</p> <p><input type="checkbox"/> Hour</p> <p><input type="checkbox"/> Day</p> <p><input type="checkbox"/> Month</p> | <p>Fare:</p> <p>\$ _____</p> <p><input type="checkbox"/> (1) Drove and parked</p> <p><input type="checkbox"/> (2) Dropped off</p> <p><input type="checkbox"/> (3) Walked</p> <p><input type="checkbox"/> (4) Carpooled</p> <p><input type="checkbox"/> (5) Other _____</p> |

**Form B - PART 2: TRIP INFORMATION (continued)**

| Location Address   | When did you get here/ leave here?  | Type of activity at this location (check one)  | Purpose of Trip (check one)   | Mode of Transportation (check one)  | Total number of people in car/truck/van (including self)  | If driver, what vehicle was used? (make/model)  | If bus, What was the fare? How did you get to the bus stop?  |
|--|---|--|---|---|---|---|--|
| <p><b>8. NEXT I WENT TO:</b></p> <p>_____</p> <p>Name of Place</p> <p>_____</p> <p>Address, or nearest intersection or landmark</p> <p>_____</p> <p>City/State/Zip</p> <p>If this place is outside of the Webb County area, what roadway were you on when you entered the area?</p> <p>_____</p> <p>(roadname)</p> <p>Do you normally work at or out of this location?</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> | <p>Arrive</p> <p>_____</p> <p>a.m.</p> <p>_____</p> <p>p.m.</p> <p>Depart</p> <p>_____</p> <p>a.m.</p> <p>_____</p> <p>p.m.</p> | <p><input type="checkbox"/> (0) Residential</p> <p><input type="checkbox"/> (1) Office</p> <p><input type="checkbox"/> (2) Retail/Restaurant</p> <p><input type="checkbox"/> (3) Industrial/ Manufacturing</p> <p><input type="checkbox"/> (4) Medical</p> <p><input type="checkbox"/> (5) Education – Day Care/ K-12<sup>th</sup></p> <p><input type="checkbox"/> (6) Education- College, Trade, other</p> <p><input type="checkbox"/> (7) Government</p> <p><input type="checkbox"/> (8) Convenience/Gas Store</p> <p><input type="checkbox"/> (9) Park/Open Space</p> <p><input type="checkbox"/> (10) Other</p> <p><input type="checkbox"/> (99) Unknown/Refused</p> | <p><input type="checkbox"/> (1) Return Home</p> <p><input type="checkbox"/> (2) Go to Work</p> <p><input type="checkbox"/> (3) Work Related</p> <p><input type="checkbox"/> (4) School</p> <p><input type="checkbox"/> (5) Social/Recreation</p> <p><input type="checkbox"/> (6) Eat Out</p> <p><input type="checkbox"/> (7) Shop</p> <p><input type="checkbox"/> (8) Pick up/Drop off Passenger</p> <p><input type="checkbox"/> (9) Change Travel Mode</p> <p><input type="checkbox"/> (10) Personal Business</p> <p><input type="checkbox"/> (11) Other _____</p> | <p><input type="checkbox"/> (1) Driver (car/truck/van)</p> <p><input type="checkbox"/> (2) Passenger (car/truck/van)</p> <p><input type="checkbox"/> (3) Walk</p> <p><input type="checkbox"/> (4) Bicycle</p> <p><input type="checkbox"/> (5) Bus</p> <p><input type="checkbox"/> (6) School Bus</p> <p><input type="checkbox"/> (7) Taxi/Paid Limousine</p> <p><input type="checkbox"/> (8) Commercial Vehicle</p> <p><input type="checkbox"/> (9) Motorcycle</p> <p><input type="checkbox"/> (10) Other _____</p> | <p>_____</p> <p>number of people</p> <p><b>If you paid parking, what was parking cost?</b></p> <p>\$_____</p> | <p>_____</p> <p>Year</p> <p>_____</p> <p>Make</p> <p>_____</p> <p>Model</p> <p>per</p> <p><input type="checkbox"/> Hour</p> <p><input type="checkbox"/> Day</p> <p><input type="checkbox"/> Month</p> | <p>Fare:</p> <p>\$ _____</p> <p><input type="checkbox"/> (1) Drove and parked</p> <p><input type="checkbox"/> (2) Dropped off</p> <p><input type="checkbox"/> (3) Walked</p> <p><input type="checkbox"/> (4) Carpooled</p> <p><input type="checkbox"/> (5) Other _____</p> |
| <p><b>Location Address</b></p>   | <p><b>When did you get here/ leave here?</b></p>  | <p><b>Type of activity at this location (check one)</b></p>  | <p><b>Purpose of Trip (check one)</b></p>   | <p><b>Mode of Transportation (check one)</b></p>  | <p><b>Total number of people in car/truck/van (including self)</b></p>  | <p><b>If driver, what vehicle was used? (make/model)</b></p>  | <p><b>If bus, What was the fare? How did you get to the bus stop?</b></p>  |
| <p><b>9. NEXT I WENT TO:</b></p> <p>_____</p> <p>Name of Place</p> <p>_____</p> <p>Address, or nearest intersection or landmark</p> <p>_____</p> <p>City/State/Zip</p> <p>If this place is outside of the Webb County area, what roadway were you on when you entered the area?</p> <p>_____</p> <p>(roadname)</p> <p>Do you normally work at or out of this location?</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> | <p>Arrive</p> <p>_____</p> <p>a.m.</p> <p>_____</p> <p>p.m.</p> <p>Depart</p> <p>_____</p> <p>a.m.</p> <p>_____</p> <p>p.m.</p> | <p><input type="checkbox"/> (0) Residential</p> <p><input type="checkbox"/> (1) Office</p> <p><input type="checkbox"/> (2) Retail/Restaurant</p> <p><input type="checkbox"/> (3) Industrial/ Manufacturing</p> <p><input type="checkbox"/> (4) Medical</p> <p><input type="checkbox"/> (5) Education – Day Care/ K-12<sup>th</sup></p> <p><input type="checkbox"/> (6) Education- College, Trade, other</p> <p><input type="checkbox"/> (7) Government</p> <p><input type="checkbox"/> (8) Convenience/Gas Store</p> <p><input type="checkbox"/> (9) Park/Open Space</p> <p><input type="checkbox"/> (10) Other</p> <p><input type="checkbox"/> (99) Unknown/Refused</p> | <p><input type="checkbox"/> (1) Return Home</p> <p><input type="checkbox"/> (2) Go to Work</p> <p><input type="checkbox"/> (3) Work Related</p> <p><input type="checkbox"/> (4) School</p> <p><input type="checkbox"/> (5) Social/Recreation</p> <p><input type="checkbox"/> (6) Eat Out</p> <p><input type="checkbox"/> (7) Shop</p> <p><input type="checkbox"/> (8) Pick up/Drop off Passenger</p> <p><input type="checkbox"/> (9) Change Travel Mode</p> <p><input type="checkbox"/> (10) Personal Business</p> <p><input type="checkbox"/> (11) Other _____</p> | <p><input type="checkbox"/> (1) Driver (car/truck/van)</p> <p><input type="checkbox"/> (2) Passenger (car/truck/van)</p> <p><input type="checkbox"/> (3) Walk</p> <p><input type="checkbox"/> (4) Bicycle</p> <p><input type="checkbox"/> (5) Bus</p> <p><input type="checkbox"/> (6) School Bus</p> <p><input type="checkbox"/> (7) Taxi/Paid Limousine</p> <p><input type="checkbox"/> (8) Commercial Vehicle</p> <p><input type="checkbox"/> (9) Motorcycle</p> <p><input type="checkbox"/> (10) Other _____</p> | <p>_____</p> <p>number of people</p> <p><b>If you paid parking, what was parking cost?</b></p> <p>\$_____</p> | <p>_____</p> <p>Year</p> <p>_____</p> <p>Make</p> <p>_____</p> <p>Model</p> <p>per</p> <p><input type="checkbox"/> Hour</p> <p><input type="checkbox"/> Day</p> <p><input type="checkbox"/> Month</p> | <p>Fare:</p> <p>\$ _____</p> <p><input type="checkbox"/> (1) Drove and parked</p> <p><input type="checkbox"/> (2) Dropped off</p> <p><input type="checkbox"/> (3) Walked</p> <p><input type="checkbox"/> (4) Carpooled</p> <p><input type="checkbox"/> (5) Other _____</p> |

**Form B - PART 2: TRIP INFORMATION (continued)**

| Location Address  | When did you get here/ leave here?  | Type of activity at this location (check one)  | Purpose of Trip (check one)   | Mode of Transportation (check one)  | Total number of people in car/truck/van (including self)  | If driver, what vehicle was used? (make/model)  | If bus, What was the fare? How did you get to the bus stop?  |
|---|---|--|---|---|---|---|--|
| <p><b>10. NEXT I WENT TO:</b></p> <p>_____</p> <p>Name of Place</p> <p>_____</p> <p>Address, or nearest intersection or landmark</p> <p>_____</p> <p>City/State/Zip</p> <p>If this place is outside of the Webb County area, what roadway were you on when you entered the area?</p> <p>_____</p> <p>(roadname)</p> <p>Do you normally work at or out of this location?</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> | <p>Arrive</p> <p>_____</p> <p>a.m.</p> <p>_____</p> <p>p.m.</p> <p>Depart</p> <p>_____</p> <p>a.m.</p> <p>_____</p> <p>p.m.</p> | <p><input type="checkbox"/> (0) Residential</p> <p><input type="checkbox"/> (1) Office</p> <p><input type="checkbox"/> (2) Retail/Restaurant</p> <p><input type="checkbox"/> (3) Industrial/ Manufacturing</p> <p><input type="checkbox"/> (4) Medical</p> <p><input type="checkbox"/> (5) Education – Day Care/ K-12<sup>th</sup></p> <p><input type="checkbox"/> (6) Education- College, Trade, other</p> <p><input type="checkbox"/> (7) Government</p> <p><input type="checkbox"/> (8) Convenience/Gas Store</p> <p><input type="checkbox"/> (9) Park/Open Space</p> <p><input type="checkbox"/> (10) Other</p> <p><input type="checkbox"/> (99) Unknown/Refused</p> | <p><input type="checkbox"/> (1) Return Home</p> <p><input type="checkbox"/> (2) Go to Work</p> <p><input type="checkbox"/> (3) Work Related</p> <p><input type="checkbox"/> (4) School</p> <p><input type="checkbox"/> (5) Social/Recreation</p> <p><input type="checkbox"/> (6) Eat Out</p> <p><input type="checkbox"/> (7) Shop</p> <p><input type="checkbox"/> (8) Pick up/Drop off Passenger</p> <p><input type="checkbox"/> (9) Change Travel Mode</p> <p><input type="checkbox"/> (10) Personal Business</p> <p><input type="checkbox"/> (11) Other _____</p> | <p><input type="checkbox"/> (1) Driver (car/truck/van)</p> <p><input type="checkbox"/> (2) Passenger (car/truck/van)</p> <p><input type="checkbox"/> (3) Walk</p> <p><input type="checkbox"/> (4) Bicycle</p> <p><input type="checkbox"/> (5) Bus</p> <p><input type="checkbox"/> (6) School Bus</p> <p><input type="checkbox"/> (7) Taxi/Paid Limousine</p> <p><input type="checkbox"/> (8) Commercial Vehicle</p> <p><input type="checkbox"/> (9) Motorcycle</p> <p><input type="checkbox"/> (10) Other _____</p> | <p>_____</p> <p>number of people</p> <p><b>If you paid parking, what was parking cost?</b></p> <p>\$_____</p> | <p>_____</p> <p>Year</p> <p>_____</p> <p>Make</p> <p>_____</p> <p>Model</p> <p>per</p> <p><input type="checkbox"/> Hour</p> <p><input type="checkbox"/> Day</p> <p><input type="checkbox"/> Month</p> | <p>Fare:</p> <p>\$ _____</p> <p><input type="checkbox"/> (1) Drove and parked</p> <p><input type="checkbox"/> (2) Dropped off</p> <p><input type="checkbox"/> (3) Walked</p> <p><input type="checkbox"/> (4) Carpooled</p> <p><input type="checkbox"/> (5) Other _____</p> |
| <p><b>Location Address</b></p>  | <p><b>When did you get here/ leave here?</b></p>  | <p><b>Type of activity at this location (check one)</b></p>  | <p><b>Purpose of Trip (check one)</b></p>   | <p><b>Mode of Transportation (check one)</b></p>  | <p><b>Total number of people in car/truck/van (including self)</b></p>  | <p><b>If driver, what vehicle was used? (make/model)</b></p>  | <p><b>If bus, What was the fare? How did you get to the bus stop?</b></p>  |
| <p><b>11. NEXT I WENT TO:</b></p> <p>_____</p> <p>Name of Place</p> <p>_____</p> <p>Address, or nearest intersection or landmark</p> <p>_____</p> <p>City/State/Zip</p> <p>If this place is outside of the Webb County area, what roadway were you on when you entered the area?</p> <p>_____</p> <p>(roadname)</p> <p>Do you normally work at or out of this location?</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> | <p>Arrive</p> <p>_____</p> <p>a.m.</p> <p>_____</p> <p>p.m.</p> <p>Depart</p> <p>_____</p> <p>a.m.</p> <p>_____</p> <p>p.m.</p> | <p><input type="checkbox"/> (0) Residential</p> <p><input type="checkbox"/> (1) Office</p> <p><input type="checkbox"/> (2) Retail/Restaurant</p> <p><input type="checkbox"/> (3) Industrial/ Manufacturing</p> <p><input type="checkbox"/> (4) Medical</p> <p><input type="checkbox"/> (5) Education – Day Care/ K-12<sup>th</sup></p> <p><input type="checkbox"/> (6) Education- College, Trade, other</p> <p><input type="checkbox"/> (7) Government</p> <p><input type="checkbox"/> (8) Convenience/Gas Store</p> <p><input type="checkbox"/> (9) Park/Open Space</p> <p><input type="checkbox"/> (10) Other</p> <p><input type="checkbox"/> (99) Unknown/Refused</p> | <p><input type="checkbox"/> (1) Return Home</p> <p><input type="checkbox"/> (2) Go to Work</p> <p><input type="checkbox"/> (3) Work Related</p> <p><input type="checkbox"/> (4) School</p> <p><input type="checkbox"/> (5) Social/Recreation</p> <p><input type="checkbox"/> (6) Eat Out</p> <p><input type="checkbox"/> (7) Shop</p> <p><input type="checkbox"/> (8) Pick up/Drop off Passenger</p> <p><input type="checkbox"/> (9) Change Travel Mode</p> <p><input type="checkbox"/> (10) Personal Business</p> <p><input type="checkbox"/> (11) Other _____</p> | <p><input type="checkbox"/> (1) Driver (car/truck/van)</p> <p><input type="checkbox"/> (2) Passenger (car/truck/van)</p> <p><input type="checkbox"/> (3) Walk</p> <p><input type="checkbox"/> (4) Bicycle</p> <p><input type="checkbox"/> (5) Bus</p> <p><input type="checkbox"/> (6) School Bus</p> <p><input type="checkbox"/> (7) Taxi/Paid Limousine</p> <p><input type="checkbox"/> (8) Commercial Vehicle</p> <p><input type="checkbox"/> (9) Motorcycle</p> <p><input type="checkbox"/> (10) Other _____</p> | <p>_____</p> <p>number of people</p> <p><b>If you paid parking, what was parking cost?</b></p> <p>\$_____</p> | <p>_____</p> <p>Year</p> <p>_____</p> <p>Make</p> <p>_____</p> <p>Model</p> <p>per</p> <p><input type="checkbox"/> Hour</p> <p><input type="checkbox"/> Day</p> <p><input type="checkbox"/> Month</p> | <p>Fare:</p> <p>\$ _____</p> <p><input type="checkbox"/> (1) Drove and parked</p> <p><input type="checkbox"/> (2) Dropped off</p> <p><input type="checkbox"/> (3) Walked</p> <p><input type="checkbox"/> (4) Carpooled</p> <p><input type="checkbox"/> (5) Other _____</p> |

**Form B - PART 2: TRIP INFORMATION (continued)**

| Location Address  | When did you get here/ leave here?  | Type of activity at this location (check one)  | Purpose of Trip (check one)   | Mode of Transportation (check one)  | Total number of people in car/truck/van (including self)  | If driver, what vehicle was used? (make/model)  | If bus, What was the fare? How did you get to the bus stop?  |
|---|---|--|---|---|---|---|--|
| <p><b>12. NEXT I WENT TO:</b></p> <p>_____</p> <p>Name of Place</p> <p>_____</p> <p>Address, or nearest intersection or landmark</p> <p>_____</p> <p>City/State/Zip</p> <p>If this place is outside of the Webb County area, what roadway were you on when you entered the area?</p> <p>_____</p> <p>(roadname)</p> <p>Do you normally work at or out of this location?</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> | <p>Arrive</p> <p>_____</p> <p>a.m.</p> <p>_____</p> <p>p.m.</p> <p>Depart</p> <p>_____</p> <p>a.m.</p> <p>_____</p> <p>p.m.</p> | <p><input type="checkbox"/> (0) Residential</p> <p><input type="checkbox"/> (1) Office</p> <p><input type="checkbox"/> (2) Retail/Restaurant</p> <p><input type="checkbox"/> (3) Industrial/ Manufacturing</p> <p><input type="checkbox"/> (4) Medical</p> <p><input type="checkbox"/> (5) Education – Day Care/ K-12<sup>th</sup></p> <p><input type="checkbox"/> (6) Education- College, Trade, other</p> <p><input type="checkbox"/> (7) Government</p> <p><input type="checkbox"/> (8) Convenience/Gas Store</p> <p><input type="checkbox"/> (9) Park/Open Space</p> <p><input type="checkbox"/> (10) Other</p> <p><input type="checkbox"/> (99) Unknown/Refused</p> | <p><input type="checkbox"/> (1) Return Home</p> <p><input type="checkbox"/> (2) Go to Work</p> <p><input type="checkbox"/> (3) Work Related</p> <p><input type="checkbox"/> (4) School</p> <p><input type="checkbox"/> (5) Social/Recreation</p> <p><input type="checkbox"/> (6) Eat Out</p> <p><input type="checkbox"/> (7) Shop</p> <p><input type="checkbox"/> (8) Pick up/Drop off Passenger</p> <p><input type="checkbox"/> (9) Change Travel Mode</p> <p><input type="checkbox"/> (10) Personal Business</p> <p><input type="checkbox"/> (11) Other _____</p> | <p><input type="checkbox"/> (1) Driver (car/truck/van)</p> <p><input type="checkbox"/> (2) Passenger (car/truck/van)</p> <p><input type="checkbox"/> (3) Walk</p> <p><input type="checkbox"/> (4) Bicycle</p> <p><input type="checkbox"/> (5) Bus</p> <p><input type="checkbox"/> (6) School Bus</p> <p><input type="checkbox"/> (7) Taxi/Paid Limousine</p> <p><input type="checkbox"/> (8) Commercial Vehicle</p> <p><input type="checkbox"/> (9) Motorcycle</p> <p><input type="checkbox"/> (10) Other _____</p> | <p>_____</p> <p>number of people</p> <p><b>If you paid parking, what was parking cost?</b></p> <p>\$_____</p> | <p>_____</p> <p>Year</p> <p>_____</p> <p>Make</p> <p>_____</p> <p>Model</p> <p>per</p> <p><input type="checkbox"/> Hour</p> <p><input type="checkbox"/> Day</p> <p><input type="checkbox"/> Month</p> | <p>Fare:</p> <p>\$ _____</p> <p><input type="checkbox"/> (1) Drove and parked</p> <p><input type="checkbox"/> (2) Dropped off</p> <p><input type="checkbox"/> (3) Walked</p> <p><input type="checkbox"/> (4) Carpooled</p> <p><input type="checkbox"/> (5) Other _____</p> |
| <p><b>Location Address</b></p>  | <p><b>When did you get here/ leave here?</b></p>  | <p><b>Type of activity at this location (check one)</b></p>  | <p><b>Purpose of Trip (check one)</b></p>   | <p><b>Mode of Transportation (check one)</b></p>  | <p><b>Total number of people in car/truck/van (including self)</b></p>  | <p><b>If driver, what vehicle was used? (make/model)</b></p>  | <p><b>If bus, What was the fare? How did you get to the bus stop?</b></p>  |
| <p><b>13. NEXT I WENT TO:</b></p> <p>_____</p> <p>Name of Place</p> <p>_____</p> <p>Address, or nearest intersection or landmark</p> <p>_____</p> <p>City/State/Zip</p> <p>If this place is outside of the Webb County area, what roadway were you on when you entered the area?</p> <p>_____</p> <p>(roadname)</p> <p>Do you normally work at or out of this location?</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> | <p>Arrive</p> <p>_____</p> <p>a.m.</p> <p>_____</p> <p>p.m.</p> <p>Depart</p> <p>_____</p> <p>a.m.</p> <p>_____</p> <p>p.m.</p> | <p><input type="checkbox"/> (0) Residential</p> <p><input type="checkbox"/> (1) Office</p> <p><input type="checkbox"/> (2) Retail/Restaurant</p> <p><input type="checkbox"/> (3) Industrial/ Manufacturing</p> <p><input type="checkbox"/> (4) Medical</p> <p><input type="checkbox"/> (5) Education – Day Care/ K-12<sup>th</sup></p> <p><input type="checkbox"/> (6) Education- College, Trade, other</p> <p><input type="checkbox"/> (7) Government</p> <p><input type="checkbox"/> (8) Convenience/Gas Store</p> <p><input type="checkbox"/> (9) Park/Open Space</p> <p><input type="checkbox"/> (10) Other</p> <p><input type="checkbox"/> (99) Unknown/Refused</p> | <p><input type="checkbox"/> (1) Return Home</p> <p><input type="checkbox"/> (2) Go to Work</p> <p><input type="checkbox"/> (3) Work Related</p> <p><input type="checkbox"/> (4) School</p> <p><input type="checkbox"/> (5) Social/Recreation</p> <p><input type="checkbox"/> (6) Eat Out</p> <p><input type="checkbox"/> (7) Shop</p> <p><input type="checkbox"/> (8) Pick up/Drop off Passenger</p> <p><input type="checkbox"/> (9) Change Travel Mode</p> <p><input type="checkbox"/> (10) Personal Business</p> <p><input type="checkbox"/> (11) Other _____</p> | <p><input type="checkbox"/> (1) Driver (car/truck/van)</p> <p><input type="checkbox"/> (2) Passenger (car/truck/van)</p> <p><input type="checkbox"/> (3) Walk</p> <p><input type="checkbox"/> (4) Bicycle</p> <p><input type="checkbox"/> (5) Bus</p> <p><input type="checkbox"/> (6) School Bus</p> <p><input type="checkbox"/> (7) Taxi/Paid Limousine</p> <p><input type="checkbox"/> (8) Commercial Vehicle</p> <p><input type="checkbox"/> (9) Motorcycle</p> <p><input type="checkbox"/> (10) Other _____</p> | <p>_____</p> <p>number of people</p> <p><b>If you paid parking, what was parking cost?</b></p> <p>\$_____</p> | <p>_____</p> <p>Year</p> <p>_____</p> <p>Make</p> <p>_____</p> <p>Model</p> <p>per</p> <p><input type="checkbox"/> Hour</p> <p><input type="checkbox"/> Day</p> <p><input type="checkbox"/> Month</p> | <p>Fare:</p> <p>\$ _____</p> <p><input type="checkbox"/> (1) Drove and parked</p> <p><input type="checkbox"/> (2) Dropped off</p> <p><input type="checkbox"/> (3) Walked</p> <p><input type="checkbox"/> (4) Carpooled</p> <p><input type="checkbox"/> (5) Other _____</p> |

**Form B - PART 2: TRIP INFORMATION (continued)**

| Location Address  | When did you get here/ leave here?  | Type of activity at this location (check one)  | Purpose of Trip (check one)   | Mode of Transportation (check one)  | Total number of people in car/truck/van (including self)  | If driver, what vehicle was used? (make/ model)   | If bus, What was the fare? How did you get to the bus stop?  |
|---|---|--|---|---|---|---|--|
| <p><b>14. NEXT I WENT TO:</b></p> <p>_____</p> <p>Name of Place</p> <p>_____</p> <p>Address, or nearest intersection or landmark</p> <p>_____</p> <p>City/State/Zip</p> <p>If this place is outside of the Webb County area, what roadway were you on when you entered the area?</p> <p>_____</p> <p>(roadname)</p> <p>Do you normally work at or out of this location?</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> | <p>Arrive</p> <p>_____</p> <p>a.m.</p> <p>_____</p> <p>p.m.</p> <p>Depart</p> <p>_____</p> <p>a.m.</p> <p>_____</p> <p>p.m.</p> | <p><input type="checkbox"/> (0) Residential</p> <p><input type="checkbox"/> (1) Office</p> <p><input type="checkbox"/> (2) Retail/Restaurant</p> <p><input type="checkbox"/> (3) Industrial/ Manufacturing</p> <p><input type="checkbox"/> (4) Medical</p> <p><input type="checkbox"/> (5) Education – Day Care/ K-12<sup>th</sup></p> <p><input type="checkbox"/> (6) Education- College, Trade, other</p> <p><input type="checkbox"/> (7) Government</p> <p><input type="checkbox"/> (8) Convenience/Gas Store</p> <p><input type="checkbox"/> (9) Park/Open Space</p> <p><input type="checkbox"/> (10) Other</p> <p><input type="checkbox"/> (99) Unknown/Refused</p> | <p><input type="checkbox"/> (1) Return Home</p> <p><input type="checkbox"/> (2) Go to Work</p> <p><input type="checkbox"/> (3) Work Related</p> <p><input type="checkbox"/> (4) School</p> <p><input type="checkbox"/> (5) Social/Recreation</p> <p><input type="checkbox"/> (6) Eat Out</p> <p><input type="checkbox"/> (7) Shop</p> <p><input type="checkbox"/> (8) Pick up/Drop off Passenger</p> <p><input type="checkbox"/> (9) Change Travel Mode</p> <p><input type="checkbox"/> (10) Personal Business</p> <p><input type="checkbox"/> (11) Other _____</p> | <p><input type="checkbox"/> (1) Driver (car/truck/van)</p> <p><input type="checkbox"/> (2) Passenger (car/truck/van)</p> <p><input type="checkbox"/> (3) Walk</p> <p><input type="checkbox"/> (4) Bicycle</p> <p><input type="checkbox"/> (5) Bus</p> <p><input type="checkbox"/> (6) School Bus</p> <p><input type="checkbox"/> (7) Taxi/Paid Limousine</p> <p><input type="checkbox"/> (8) Commercial Vehicle</p> <p><input type="checkbox"/> (9) Motorcycle</p> <p><input type="checkbox"/> (10) Other _____</p> | <p>_____</p> <p>number of people</p> <p><b>If you paid parking, what was parking cost?</b></p> <p>\$_____</p> | <p>_____</p> <p>Year</p> <p>_____</p> <p>Make</p> <p>_____</p> <p>Model</p> <p>per</p> <p><input type="checkbox"/> Hour</p> <p><input type="checkbox"/> Day</p> <p><input type="checkbox"/> Month</p> | <p>Fare:</p> <p>\$ _____</p> <p><input type="checkbox"/> (1) Drove and parked</p> <p><input type="checkbox"/> (2) Dropped off</p> <p><input type="checkbox"/> (3) Walked</p> <p><input type="checkbox"/> (4) Carpooled</p> <p><input type="checkbox"/> (5) Other _____</p> |
| <p><b>Location Address</b></p>  | <p><b>When did you get here/ leave here?</b></p>  | <p><b>Type of activity at this location (check one)</b></p>  | <p><b>Purpose of Trip (check one)</b></p>   | <p><b>Mode of Transportation (check one)</b></p>  | <p><b>Total number of people in car/truck/van (including self)</b></p>  | <p><b>If driver, what vehicle was used? (make/ model)</b></p>   | <p><b>If bus, What was the fare? How did you get to the bus stop?</b></p>  |
| <p><b>15. NEXT I WENT TO:</b></p> <p>_____</p> <p>Name of Place</p> <p>_____</p> <p>Address, or nearest intersection or Landmark</p> <p>_____</p> <p>City/State/Zip</p> <p>If this place is outside of the Webb County area, what roadway were you on when you entered the area?</p> <p>_____</p> <p>(roadname)</p> <p>Do you normally work at or out of this location?</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> | <p>Arrive</p> <p>_____</p> <p>a.m.</p> <p>_____</p> <p>p.m.</p> <p>Depart</p> <p>_____</p> <p>a.m.</p> <p>_____</p> <p>p.m.</p> | <p><input type="checkbox"/> (0) Residential</p> <p><input type="checkbox"/> (1) Office</p> <p><input type="checkbox"/> (2) Retail/Restaurant</p> <p><input type="checkbox"/> (3) Industrial/ Manufacturing</p> <p><input type="checkbox"/> (4) Medical</p> <p><input type="checkbox"/> (5) Education – Day Care/ K-12<sup>th</sup></p> <p><input type="checkbox"/> (6) Education- College, Trade, other</p> <p><input type="checkbox"/> (7) Government</p> <p><input type="checkbox"/> (8) Convenience/Gas Store</p> <p><input type="checkbox"/> (9) Park/Open Space</p> <p><input type="checkbox"/> (10) Other</p> <p><input type="checkbox"/> (99) Unknown/Refused</p> | <p><input type="checkbox"/> (1) Return Home</p> <p><input type="checkbox"/> (2) Go to Work</p> <p><input type="checkbox"/> (3) Work Related</p> <p><input type="checkbox"/> (4) School</p> <p><input type="checkbox"/> (5) Social/Recreation</p> <p><input type="checkbox"/> (6) Eat Out</p> <p><input type="checkbox"/> (7) Shop</p> <p><input type="checkbox"/> (8) Pick up/Drop off Passenger</p> <p><input type="checkbox"/> (9) Change Travel Mode</p> <p><input type="checkbox"/> (10) Personal Business</p> <p><input type="checkbox"/> (11) Other _____</p> | <p><input type="checkbox"/> (1) Driver (car/truck/van)</p> <p><input type="checkbox"/> (2) Passenger (car/truck/van)</p> <p><input type="checkbox"/> (3) Walk</p> <p><input type="checkbox"/> (4) Bicycle</p> <p><input type="checkbox"/> (5) Bus</p> <p><input type="checkbox"/> (6) School Bus</p> <p><input type="checkbox"/> (7) Taxi/Paid Limousine</p> <p><input type="checkbox"/> (8) Commercial Vehicle</p> <p><input type="checkbox"/> (9) Motorcycle</p> <p><input type="checkbox"/> (10) Other _____</p> | <p>_____</p> <p>number of people</p> <p><b>If you paid parking, what was parking cost?</b></p> <p>\$_____</p> | <p>_____</p> <p>Year</p> <p>_____</p> <p>Make</p> <p>_____</p> <p>Model</p> <p>per</p> <p><input type="checkbox"/> Hour</p> <p><input type="checkbox"/> Day</p> <p><input type="checkbox"/> Month</p> | <p>Fare:</p> <p>\$ _____</p> <p><input type="checkbox"/> (1) Drove and parked</p> <p><input type="checkbox"/> (2) Dropped off</p> <p><input type="checkbox"/> (3) Walked</p> <p><input type="checkbox"/> (4) Carpooled</p> <p><input type="checkbox"/> (5) Other _____</p> |

**VISITOR TRAVEL SURVEY  
Form C**

Address: \_\_\_\_\_

Site # \_\_\_\_\_

Location: \_\_\_\_\_

Interviewer \_\_\_\_\_

Date: \_\_\_\_\_

Area Type \_\_\_\_\_

| Questions  | Person 1   | Person 2   |
|--|--|--|
| 1a. Do you work in this building?<br>1b. Time survey of person begins?   | 1) Yes (Stop interview) 2) No (Continue interview)<br>_____ a.m. / p.m.  | 1) Yes (Stop interview) 2) No (Continue interview)<br>_____ a.m. / p.m.  |
| 2. In what city or county do you live?   |  |  |
| 3a. Is that outside of Webb County?<br>(If NO go to question 4)<br><br>3b. If YES ask: Did you stay over night<br>in the Laredo area?<br>3c. If YES – Where did you stay?<br>3d. If NO – Which roadway did you use<br>to enter the County? (airport is an<br>option) | a. <input type="checkbox"/> Yes <input type="checkbox"/> No<br>(If NO go to Question 4)<br><br>b. <input type="checkbox"/> Yes (Go to 3c) <input type="checkbox"/> No (GO to 3d)<br><br>c. _____<br>d. _____                                     | a. <input type="checkbox"/> Yes <input type="checkbox"/> No<br>(If NO go to Question 4)<br><br>b. <input type="checkbox"/> Yes (Go to 3c) <input type="checkbox"/> No (GO to 3d)<br><br>c. _____<br>d. _____                                     |
| 4. What is your home address or<br>nearest two intersecting streets?   |  |  |
| 5a. Did you travel here directly from<br>your home with no stops?<br>(if YES go to Question 7)<br><br>5b. If NO where did you start your trip<br>that brought you to _____ ?   | a. <input type="checkbox"/> Yes <input type="checkbox"/> No<br>(If YES go to Question 7)<br><br>b. _____<br>(Address or nearest intersection)  | a. <input type="checkbox"/> Yes <input type="checkbox"/> No<br>(If YES go to Question 7)<br><br>b. _____<br>(Address or nearest intersection)  |
| 6a. Is that location:<br><br>6b. If in Mexico, what bridge did you<br>use to enter Laredo?<br>6c. If outside of Webb County, what<br>street or highway were you on<br>when you entered Webb County?  | a. <input type="checkbox"/> In Webb County? (If Yes go to question 7)<br><input type="checkbox"/> In Mexico? (If Yes go to question 6b)<br><input type="checkbox"/> Outside Webb County (If Yes go to 6c)<br><br>b. _____(See List)_<br>c. _____ | a. <input type="checkbox"/> In Webb County? (If Yes go to question 7)<br><input type="checkbox"/> In Mexico? (If Yes go to question 6b)<br><input type="checkbox"/> Outside Webb County (If Yes go to 6c)<br><br>b. _____(See List)_<br>c. _____ |
| 7. What approximate time did you<br>arrive at this location today?   | _____ a.m / _____ p m  | _____ a.m / _____ p m  |
| 8. How did you arrive here at the<br>_____ today?<br>(Choose from arrival options)   |  |  |
| 9a. If car/truck/van ask: How many<br>people, including yourself, were in<br>the vehicle?<br>9b. If bus, ask: What fare did you pay?   | a) # people _____<br>b) Fare \$ _____  | a) # people _____<br>b) Fare \$ _____  |
| 10. What is the reason for coming here<br>today? (Choose from trip purpose<br>options)   | Number _____<br>Other _____  | Number _____<br>Other _____  |
| 11. When you leave here are you<br>going straight home with no stops?<br><br>(If Q.11 = Yes, then skip)  | <input type="checkbox"/> Yes <input type="checkbox"/> No<br>(If YES go to Question 14)   | <input type="checkbox"/> Yes <input type="checkbox"/> No<br>(If YES go to Question 14)   |
| 12. What is the address of the place<br>you will be going?<br><br>(If Q.11 = Yes, then skip)   | _____<br>_____<br>(Address or nearest intersection)  | _____<br>_____<br>(Address or nearest intersection)  |
| 13a. Is that location:<br><br>13b. If in Mexico, what bridge will you<br>use to leave Laredo?<br>13c. If outside of Webb County, what<br>street or highway will you be on  | a. <input type="checkbox"/> In Webb County? (Go to question 14)<br><input type="checkbox"/> In Mexico? (If Yes go question 13b)<br><input type="checkbox"/> Outside Webb County (If yes go to 13c)<br><br>b. _____(See List)                     | a. <input type="checkbox"/> In Webb County?(Go to question 14)<br><input type="checkbox"/> In Mexico? (If Yes go question 13b)<br><input type="checkbox"/> Outside Webb County (If yes go to 13c)<br><br>b. _____(See List)                      |

| <u>Questions</u>   | <u>Person 1</u>                        | <u>Person 2</u>                        |
|--|--|--|
| 14. How many people live at your home address? (Do not count guests)                                   |  |  |
| 15. How many vehicles are available for use by members of your household?                              |  |  |
| 16. If you combined the annual income of all members of your household, into what range would it fall? | Range: _____<br>(see below for ranges) | Range: _____<br>(see below for ranges) |

| <u>Arrival Option</u>   | <u>Trip Purpose Options</u>  | <u>Household Income Range</u>  |
|---|--|--|
| 1) Driver (car/truck/van)<br>2) Passenger (car/truck/van)<br>3) Walk<br>4) Bicycle<br>5) Bus<br>6) School Bus<br>7) Taxi/Paid Limousine<br>8) Commercial Vehicle<br>9) Motorcycle<br>10) Other – specify in block<br>99) Non-Response | 1) Work related<br>2) School<br>3) Social/recreational/visit<br>4) Shop<br>5) Eat out<br>6) Pick up/drop off passenger<br>7) Change travel mode<br>8) Delivery – pick up/drop off<br>9) Other – specify in block<br>99) Non-response | 1.) Less than \$5,000      9) \$40,000 - \$49,999<br>2.) \$5,000 – \$9,999      10) \$50,000 - \$59,999<br>3.) \$10,000 - \$14,999    11) \$60,000 - \$74,999<br>4.) \$15,000 - \$19,999    12) \$75,000 - \$99,999<br>5.) \$20,000 - \$24,999    13) \$100,000 - \$124,999<br>6.) \$25,000 - \$29,999    14) \$125,000 - \$149,999<br>7.) \$30,000 - \$34,999    15) \$150,000 or more<br>8.) \$35,000 - \$39,999 |

| <u>Webb County / Mexico Bridges</u>  |
|--|
| 1. Gateway to the Americas Bridge (Convent Street)<br>2. Juarez Lincoln Bridge (IH 35 / US 283)<br>3. Columbia Solidarity Bridge (FM 255)<br>4. World Trade Bridge (Loop 20) |

**VISITOR TRAVEL SURVEY  
Form D**

**Non Free Standing Workplace**

Address: \_\_\_\_\_

Site # \_\_\_\_\_

Location: \_\_\_\_\_

Interviewer \_\_\_\_\_

Date: \_\_\_\_\_

Area Type \_\_\_\_\_

| <u>Questions</u>   | <u>Person 1</u>  | <u>Person 2</u>  |
|--|--|--|
| 1a. Do you work in this building?<br>1b. Time survey of person begins?   | 1) Yes (Stop interview) 2) No (Continue interview)<br>_____ a.m. / p.m.  | 1) Yes (Stop interview) 2) No (Continue interview)<br>_____ a.m. / p.m.  |
| 2. In what city or county do you live?   |  |  |
| 3a. Is that outside of Webb County?<br>(If NO go to question 4)<br>3b. If YES ask: Did you stay over night<br>in the Laredo area?<br>3c. If YES – Where did you stay?<br>3d. If NO – Which roadway did you use<br>to enter the County? (airport is an<br>option) | a. <input type="checkbox"/> Yes <input type="checkbox"/> No<br>(If NO go to Question 4)<br>b. <input type="checkbox"/> Yes (Go to 3c) <input type="checkbox"/> No (GO to 3d)<br>c. _____<br>d. _____   | a. <input type="checkbox"/> Yes <input type="checkbox"/> No<br>(If NO go to Question 4)<br>b. <input type="checkbox"/> Yes (Go to 3c) <input type="checkbox"/> No (GO to 3d)<br>c. _____<br>d. _____   |
| 4. What is your home address or<br>nearest two intersecting streets?   |  |  |
| 5a. Did you travel here directly from<br>your home with no stops?<br>(If YES go to Question 7)<br>5b. If NO where did you start your trip<br>that brought you to _____ ?   | a. <input type="checkbox"/> Yes <input type="checkbox"/> No<br>(If YES go to Question7)<br>b. _____<br>(Address or nearest intersection)   | a. <input type="checkbox"/> Yes <input type="checkbox"/> No<br>(If YES go to Question7)<br>b. _____<br>(Address or nearest intersection)   |
| 6a. Is that location:<br>6b. If in Mexico, what bridge did you<br>use to enter Laredo?<br>6c. If outside of Webb County, what<br>street or highway were you on<br>when you entered Webb County?  | a. <input type="checkbox"/> In Webb County? (If Yes go to question 7)<br><input type="checkbox"/> In Mexico? (If Yes go to question 6b)<br><input type="checkbox"/> Outside Webb County (If Yes go to 6c)<br>b. _____ (See List)<br>c. _____ | a. <input type="checkbox"/> In Webb County? (If Yes go to question 7)<br><input type="checkbox"/> In Mexico? (If Yes go to question 6b)<br><input type="checkbox"/> Outside Webb County (If Yes go to 6c)<br>b. _____ (See List)<br>c. _____ |
| 7. What approximate time did you<br>arrive at this location today?   | _____ a.m / _____ p m  | _____ a.m / _____ p m  |
| 8. How did you arrive here at the<br>_____ today?<br>(Choose from arrival options )  |  |  |
| 9a. If car/truck/van ask: How many<br>people, including yourself, were in<br>the vehicle?<br>9b. If bus, ask: What fare did you pay?   | a) # people _____<br>b) Fare \$ _____  | a) # people _____<br>b) Fare \$ _____  |
| 10. What is the reason for coming here<br>today? (Choose from trip purpose<br>options)   | Number _____<br>Other _____  | Number _____<br>Other _____  |
| 11. Is this the 1 <sup>st</sup> store/establishment<br>you have visited since arriving at<br>this building/center?   | <input type="checkbox"/> Yes <input type="checkbox"/> No   | <input type="checkbox"/> Yes <input type="checkbox"/> No   |
| 12. How many stores/establishments<br>have you visited in this center<br>during this trip  |  |  |
| 13. How many more stores or<br>businesses do you plan to visit in<br>this building/center during this trip?  |  |  |

| <u>Questions</u>  | <u>Person 1</u>  | <u>Person 2</u>  |
|---|--|--|
| 14. When you leave here are you going straight home with no stops?  | <input type="checkbox"/> Yes <input type="checkbox"/> No<br>(If YES go to Question 17)   | <input type="checkbox"/> Yes <input type="checkbox"/> No<br>(If YES go to Question 17)   |
| (Skip if Q. 14 is Yes)  | _____  | _____  |
| 15. What is the address of the place you will be going?   | _____<br>( Address or nearest intersection)  | _____<br>( Address or nearest intersection)  |
| (Skip if Q. 14 is Yes)<br>16a. Is that location:<br><br>16b. If in Mexico, what bridge will you use to leave Laredo?<br>16c. If outside of Webb County, what street or highway will you be on when you leave Webb County? | a. <input type="checkbox"/> In Webb County? (If Yes go to question 17)<br><input type="checkbox"/> In Mexico? (If Yes go to question 16b)<br><input type="checkbox"/> Outside Webb County (If Yes go to 16c)<br><br>b. _____(See List)<br><br>c. _____ | a. <input type="checkbox"/> In Webb County? (If Yes go to question 17)<br><input type="checkbox"/> In Mexico? (If Yes go to question 16b)<br><input type="checkbox"/> Outside Webb County (If Yes go to 16c)<br><br>b. _____(See List)<br><br>c. _____ |
| 17. How many people live at your home address? (Do not count guests)  |  |  |
| 18. How many vehicles are available for use by members of your household?   |  |  |
| 19. If you combined the annual income of all members of your household, into what range would it fall?  | Range: _____<br>(see below for ranges)   | Range: _____<br>(see below for ranges)   |

| <u>Arrival Options</u>  | <u>Trip Purpose Options</u>  | <u>Income Ranges for Question 14</u>   |
|---|--|--|
| 1) Driver (car/truck/van)<br>2) Passenger (car/truck/van)<br>3) Walk<br>4) Bicycle<br>5) Bus<br>6) School Bus<br>7) Taxi/Paid Limousine<br>8) Commercial Vehicle<br>9) Motorcycle<br>10) Other – specify in block<br>99) Non-response | 1) Work related<br>2) School<br>3) Social/recreational/visit<br>4) Shop<br>5) Eat out<br>6) Pick up/Drop off passenger<br>7) Change Travel Mode<br>8) Delivery – pick-up/drop off<br>9) Other – specify in block<br>99) Non - response | 1) Less than \$5,000<br>2) \$5,000 – \$9,999<br>3) \$10,000 - \$14,999<br>4) \$15,000 - \$19,999<br>5) \$20,000 - \$24,999<br>6) \$25,000 - \$29,999<br>7) \$30,000 - \$34,999<br>8) \$35,000 - \$39,999<br>9) \$40,000 - \$49,999<br>10) \$50,000 - \$59,999<br>11) \$60,000 - \$74,999<br>12) \$75,000 - \$99,999<br>13) \$100,000 - \$124,999<br>14) \$125,000 - \$149,999<br>15) \$150,000 or more |

| <u>Webb County / Mexico Bridges</u>  |
|--|
| 1. Gateway to the Americas Bridge (Convent Street)<br>2. Juarez Lincoln Bridge (IH 35 / US 283)<br>3. Columbia Solidarity Bridge (FM 255)<br>4. World Trade Bridge (Loop 20) |

Record Type 10

**Workplace Commercial Vehicle Survey  
Form E**

Workplace Site #: \_\_\_\_\_

Survey Date: \_\_\_\_\_

Zone #: \_\_\_\_\_

Interviewer: \_\_\_\_\_

| <u>Questions</u>  | <u>Vehicle 1</u>  | <u>Vehicle 2</u>  |
|---|---|---|
| 1. Time of Arrival  | _____ a.m. / _____ p.m.   | _____ a.m. / _____ p.m.   |
| 2. Number of People in Vehicle  |   |   |
| 3. Standard Vehicle Class (choose from vehicle class options)   |   |   |
| 4a. What year is this vehicle?  | a. _____ (year)   | a. _____ (year)   |
| 4b. Gross vehicle weight?   | b. _____ (weight)   | b. _____ (weight)   |
| 4c. Leaded, unleaded, diesel, propane, or other kind of fuel?   | c. 1. <input type="checkbox"/> Leaded Gas      4. <input type="checkbox"/> Propane<br>2. <input type="checkbox"/> Unleaded Gas      5. <input type="checkbox"/> Other<br>3. <input type="checkbox"/> Diesel                         | c. 1. <input type="checkbox"/> Leaded Gas      4. <input type="checkbox"/> Propane<br>2. <input type="checkbox"/> Unleaded Gas      5. <input type="checkbox"/> Other<br>3. <input type="checkbox"/> Diesel                         |
| 5. What is the mileage on your odometer?  |   |   |
| 6. What is the cargo?<br>(Choose from cargo codes.)   |   |   |
| 7. Did your cargo originate in Mexico?  | <input type="checkbox"/> Yes <input type="checkbox"/> No  | <input type="checkbox"/> Yes <input type="checkbox"/> No  |
| 8. What is your reason for coming here today?   | _____<br>(Choose from trip purpose options)   | _____<br>(Choose from trip purpose options)   |
| 9. What is the address of the last place you got into your vehicle?<br><br>(Address or nearest two intersecting streets)  | _____<br>_____  | _____<br>_____  |
| 10a. Is that location:<br><br>10b. If in Mexico, what bridge did you use to enter Laredo?<br>10c. If outside of Webb County, what street or highway were you on when you entered Webb County? | a. <input type="checkbox"/> In Webb County? (If yes Go to Quest 11)<br><input type="checkbox"/> In Mexico? (If yes go to 10b)<br><input type="checkbox"/> Outside Webb County (If yes go to 10c)<br>b. _____ (See List)<br>c. _____ | a. <input type="checkbox"/> In Webb County? (If yes Go to Quest 11)<br><input type="checkbox"/> In Mexico? (If yes go to 10b)<br><input type="checkbox"/> Outside Webb County (If yes go to 10c)<br>b. _____ (See List)<br>c. _____ |
| 11. What was your purpose for being at that location?   | _____<br>(Choose from trip purpose options)   | _____<br>(Choose from trip purpose options)   |
| 12. What approximate time did you leave that location?  | _____ a.m. / _____ p.m.   | _____ a.m. / _____ p.m.   |
| 13. What is the address of the place you will be going when you leave?<br><br>(place/address or nearest intersection/city)  | _____<br>_____  | _____<br>_____  |

**Vehicle Cargo Codes:**

1. Farm Products

Livestock, fertilizer, dirt, landscaping, etc.

|  |   |   |
|--|---|---|
| <p>14a. Is that location:</p> <p>14b. If in Mexico, what bridge will you use to leave Laredo?</p> <p>14c. If outside of Webb County, what street or highway will you be on when you leave Webb County?</p> | <p><input type="checkbox"/> In Webb County? (If yes go to question 15)</p> <p><input type="checkbox"/> In Mexico? (If yes go to question 14b)</p> <p><input type="checkbox"/> Outside Webb County (If yes go to quest 14c)</p> <p>b. _____ (See List)</p> <p>c. _____</p> | <p><input type="checkbox"/> In Webb County? (If yes go to question 15)</p> <p><input type="checkbox"/> In Mexico? (If yes go to question 14b)</p> <p><input type="checkbox"/> Outside Webb County (If yes go to quest 14c)</p> <p>b. _____ (See List)</p> <p>c. _____</p> |
| <p>15. What is your purpose for traveling to your next destination?</p>  | <p>_____</p> <p>(Choose from trip purpose options)</p>  | <p>_____</p> <p>(Choose from trip purpose option)</p>   |

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>2. Forest Products</li> <li>3. Marine Products</li> <li>4. Metals and Minerals</li> <li>5. Food, Health, and Beauty Products</li> <li>6. Tobacco Products</li> <li>7. Textiles</li> <li>8. Wood Products</li> <li>9. Printed Matter</li> <li>10. Chemical Products</li> <li>11. Refined Petroleum or Coal Products</li> <li>12. Rubber, Plastic, and Styrofoam Products</li> <li>13. Clay, Concrete, Glass, or Stone</li> <li>14. Manufactured Goods/Equipment</li> <li>15. Wastes</li> <li>16. Miscellaneous Shipments</li> <li>17. Hazardous Materials</li> <li>18. Unclassified Cargo</li> <li>19. Driver Refused to Answer</li> <li>20. Unknown to Driver</li> <li>21. Empty</li> <li>22. Other</li> </ul> | <ul style="list-style-type: none"> <li>Trees, sod, etc.</li> <li>Fresh fish, seafood, etc.</li> <li>Crude petroleum, natural gas, propane, metals, gypsum, ores, etc.</li> <li>Assorted food products, cosmetics, etc.</li> <li>Cigarettes, cigars, chewing tobacco.</li> <li>Clothing, linens, etc.</li> <li>Lumber, paper, cardboard, wood pulp, etc.</li> <li>Newspapers, magazines, books, etc.</li> <li>Soaps, paints, household or industrial chemicals, etc.</li> <li>Gasoline, etc.</li> <li>Finished products of rubber, plastic, or styrofoam</li> <li>Finished products of clay, concrete, glass, or stone</li> <li>Miscellaneous products, such as machinery, appliances, furniture, etc.</li> <li>Waste products including scrap and recyclable materials</li> <li>U.S. mail, U.P.S., Federal Express, and other mixed cargo</li> <li>Hazardous chemicals and substances</li> <li>Cargo not falling within one of the above categories</li> <li>Drive refused to answer</li> <li>Unknown to driver</li> <li>Empty (including empty shipping containers)</li> </ul> |
|---|---|

**Trip Purpose Options:**

- 1. Base location / return to base location
- 2. Delivery
- 3. Pick-up
- 4. Maintenance
- 5. Driver Needs (lunch, etc.)
- 6. To home
- 7. Buy gas/fuel
- 8. Other
- 9. Refuse/Unknown

**Standard Vehicle Class Options:**

- 1. Single Unit 2-axle (6 wheels)
- 2. Single Unit 3-xle (10 wheels)
- 3. Single Unit 4-axle (14 wheels)
- 4. Semi (Tractor-Trailor combination)
- 5. Other \_\_\_\_\_

**Cargo Transfer Options:**

- 1. Truck-to-truck
- 2. Rail-to-truck
- 3. Ship-to-truck
- 4. Airplane-to-truck
- 5. Warehouse-to-truck
- 6. Pipeline-to-Truck
- 7. Unknown

**Webb County / Mexico Bridges**

- 1. Gateway to the Americas Bridge (Convent Street)
- 2. Juarez Lincoln Bridge (IH 35 / US 283)
- 3. Columbia Solidarity Bridge (FM 255)
- 4. World Trade Bridge (Loop 20)

**LAREDO WORKPLACE SURVEY**

Site Evaluation Form

(Example)

Site Name \_\_\_\_\_

Sample No. \_\_\_\_\_

Evaluator Name \_\_\_\_\_

Please complete the worksite information.  
 Use the space below to sketch the site location including driveways and parking areas for the business, office building or shopping center. Write the names and phone numbers of businesses at this site on the reverse side if needed.

**Free standing site:** A free standing site is a business located in a building by itself AND one that has its own parking area and driveways which are not used by other businesses or by through traffic. Check this box if the business meets this criteria.

**Non-free standing site:** A workplace located in a shopping center or office building with other businesses OR in a building by itself with a parking lot shared by other businesses or has a parking area that is use through traffic. Check this box if the business is non-free standing.

Please check all that apply:

- |   |   |
|---|---|
| <input type="checkbox"/> Shopping Center or Mall              | <input type="checkbox"/> Separate Parking                 |
| <input type="checkbox"/> Multi-tenant Office Building         | <input type="checkbox"/> Stand alone business             |
| <input type="checkbox"/> On-Street Parking                    | <input type="checkbox"/> Parking area used as cut through |
| <input type="checkbox"/> Shared parking with another business |   |

LEGEND

|                            |                 |                                    |                 |
|----------------------------|-----------------|------------------------------------|-----------------|
| <b>#</b> - Tube Counters   | How Many? _____ | <b>M</b> - Manual Vehicle Counters | How many? _____ |
| <b>P</b> - Person Counters | How many? _____ | <b>I</b> - Interviewers            | How Many? _____ |

ASCII FILE FORMATS

|   |         |
|---|---------|
| Workplace Establishment Survey, General Information<br>Survey Form A ASCII File Format    | 1 Page  |
| Workplace – Employee Survey   |         |
| Survey Form B, Part I – Household Information ASCII File Format                           | 2 Pages |
| Survey Form B, Part II – Trip Information ASCII File Format                               | 2 Pages |
| Visitor (Non-Employee) Survey, Free Standing Workplace<br>Survey Form C ASCII File Format | 3 Pages |
| Visitor (Non-Employee) Survey, Free Standing Workplace<br>Survey Form D ASCII File Format | 3 Pages |
| Workplace Commercial Vehicle Survey<br>Survey Form E ASCII File Format                    | 3 Pages |

Workplace Establishment General Information  
Survey Form A File Format

This file will contain the general information data collected using Form A Workplace Establishment Survey. The data should be in an ASCII data file.

| Item                     | Begin | End | Type         | Field Columns |  | Description  |
|--------------------------|-------|-----|--------------|---------------|--|--|
|                          |       |     |              | Format        |  |  |
| 1. Record Type           | 1     | 2   | Numeric RJ   | I2            |  | Code indicating type of record. Here it should be 9.   |
| 2. Month                 | 3     | 4   | Numeric RJ   | I2            |  | Month establishment was surveyed.  |
| 3. Day                   | 5     | 6   | Numeric RJ   | I2            |  | Day of month establishment was surveyed.   |
| 4. Site Number           | 7     | 10  | Numeric RJ   | I4            |  | Unique non-zero number assigned to each establishment.   |
| 5. SIC Code              | 11    | 14  | Numeric RJ   | I4            |  | Standard Industrial Classification of the establishment.   |
| 6. Establishment Type    | 15    | 16  | Numeric RJ   | I2            |  | Code indicating the type of establishment; 1- free standing, 2- non-free standing.   |
| 7. Area Type             | 17    | 18  | Numeric RJ   | I2            |  | Code indicating the area type where the establishment is located.  |
| 8. Employment Type       | 19    | 20  | Numeric RJ   | I2            |  | Code indicating the type of employment at the establishment. See code descriptions.  |
| 9. Employment Type Other | 21    | 35  | Alphanum. LJ | A15           |  | If employment type is coded as "other", this is the description of the employment type. Otherwise it is blank.   |
| 10. Name                 | 36    | 85  | Alphanum. LJ | A50           |  | Name of establishment.   |
| 11. Address              | 86    | 135 | Alphanum. LJ | A50           |  | Address of establishment.  |
| 12. City                 | 136   | 150 | Alphanum. LJ | A15           |  | City where establishment is located.   |
| 13. Zip Code             | 151   | 155 | Numeric RJ   | I5            |  | Zip code for establishment's location.   |
| 14. Longitude            | 156   | 165 | Numeric RJ   | F10.0         |  | Longitude of establishment's address. If unknown, it should be coded 888.8888.   |
| 15. Latitude             | 166   | 175 | Numeric RJ   | F10.0         |  | Latitude of establishment's address. If unknown, it should be coded 888.8888.  |
| 16. Zone                 | 176   | 180 | Numeric RJ   | I5            |  | Zone where establishment is located.   |
| 17. Hours of Operation   | 181   | 182 | Numeric RJ   | I2            |  | Number of hours in operation during a normal weekday.  |
| 18. Number of Vehicles   | 183   | 188 | Numeric RJ   | I6            |  | Total number of vehicles entering and exiting the establishment during the 24 hours the travel survey was conducted.   |
| 19. Number of Persons    | 189   | 195 | Numeric RJ   | I7            |  | Total number of persons counted entering and exiting the establishment during the 24 hours the travel survey was conducted.  |
| 20. Commercial Vehicles  | 196   | 200 | Numeric RJ   | I5            |  | Total number of commercial vehicles making deliveries or pickups counted entering and exiting the establishment during the 24 hours the travel survey was conducted. |
| 21. Total Employment     | 201   | 205 | Numeric RJ   | I5            |  | Total number of persons (full and part time) employed at the establishment.  |
| 22. Employees at Work    | 206   | 210 | Numeric RJ   | I5            |  | Total number of employees at work on day the travel survey was conducted.  |
| 23. Number of Shifts     | 211   | 212 | Numeric RJ   | I2            |  | Number of work shifts at establishment.  |
| 24. Employees per Shift  | 213   | 217 | Numeric RJ   | I5            |  | Number of employees per work shift.  |
| 25. Parking Spaces       | 218   | 223 | Numeric RJ   | I6            |  | Number of parking spaces.  |
| 26. Parking Cost         | 224   | 230 | Numeric RJ   | F7.2          |  | Cost per hour of parking.  |
| 27. Loading Docks        | 231   | 232 | Numeric RJ   | I2            |  | Number of loading docks at establishment.  |
| 28. Deliveries           | 233   | 235 | Numeric RJ   | I3            |  | Number of deliveries to establishment on day of travel survey.   |
| 29. Delivery Hours       | 236   | 238 | Numeric RJ   | I3            |  | Hours allowed for deliveries.  |
| 30. Bus Routes           | 239   | 240 | Numeric RJ   | I2            |  | Number of bus routes serving the establishment.  |
| 31. Number of Bus Stops  | 241   | 245 | Numeric RJ   | I5            |  | Number of bus stops serving the establishment.   |

Employment Type

- |   |                                       |
|---|---------------------------------------|
| 1 – Office                                    | 6 – Education – College, trade, other |
| 2 – Retail / Restaurant                       | 7 – Government                        |
| 3 – Industrial / Manufacturing                | 8 – Not used                          |
| 4 – Medical                                   | 9 – Other                             |
| 5 – Education – Day Care / K-12 <sup>th</sup> | 99 – Unknown/Refused                  |

Workplace Employee Survey  
Survey Form B, Part 1 Format

This file will contain the household/individual information data collected using Form B, Part 1, Workplace Employee Survey . The data should be in an ASCII data file.

| Item                  | Begin | End | Type         | Field Columns |  | Description  |
|-----------------------|-------|-----|--------------|---------------|--|--|
|                       |       |     |              | Format        |  |  |
| 1. Record Type        | 1     | 2   | Numeric RJ   | I2            |  | Code indicating type of record. Here it should be 5.   |
| 2. Month              | 3     | 4   | Numeric RJ   | I2            |  | Month of travel day.   |
| 3. Day                | 5     | 6   | Numeric RJ   | I2            |  | Day of the month of travel.  |
| 4. Site Number        | 7     | 10  | Numeric RJ   | I4            |  | Unique non-zero number assigned to the workplace where this employee works.  |
| 5. Sample Number      | 11    | 15  | Numeric RJ   | I5            |  | Unique non-zero number assigned to this sample (i.e. employee). This number will be assigned to the form handed out to the employee to complete and return.  |
| 6. Address            | 16    | 65  | Alphanum. LJ | A50           |  | Home street address of the employee.   |
| 7. City               | 66    | 95  | Alphanum. LJ | A30           |  | City where employee lives.   |
| 8. County             | 96    | 97  | Numeric RJ   | I2            |  | Code indicating county where employee lives; 1-within study area, 2- Mexico; 3-Other.  |
| 9. Other County       | 98    | 212 | Alphanum. LJ | A15           |  | If county of residence is coded as other in item 8, this field should contain the name of the county the person lives in.  |
| 10. Zip Code          | 213   | 217 | Numeric RJ   | I5            |  | Zip code where employee lives.   |
| 11. State Zone Ind.   | 218   | 218 | Alphanum. LJ | A1            |  | If employee lives outside study area but within Texas, this field should contain the letter "S". Otherwise the field should be blank.  |
| 12. Zone              | 219   | 223 | Numeric RJ   | I5            |  | Zone where employee lives. Unknown zone numbers within study area should be coded 8888. Mexico locations should be coded as 7777. External locations outside study area but within Texas should be coded to the state zone number. External locations outside study area but within Texas that are unknown should be coded 6666. External locations outside Texas and Mexico should be coded 9999. |
| 13. Longitude         | 224   | 233 | Numeric RJ   | F10.6         |  | Longitude of employee's home address. If address is in Mexico, this should be coded as 777.7777. If address is outside study area and not in Mexico, this should be coded 999.9999. If unknown, it should be coded 888.8888.   |
| 14. Latitude          | 234   | 243 | Numeric RJ   | F10.6         |  | Latitude of employee's home address. If address is in Mexico, this should be coded as 777.7777. If address is outside study area and not in Mexico, this should be coded 999.9999. If unknown, it should be coded 888.8888.  |
| 15. Number of Persons | 244   | 246 | Numeric RJ   | I3            |  | Number of persons residing at employee's home address.   |
| 16. Number Employed   | 247   | 248 | Numeric RJ   | I2            |  | Number of persons residing at employee's home address that are employed (including the person completing the form).  |
| 17. Vehicles          | 249   | 250 | Numeric RJ   | I2            |  | Number of vehicles available for use by members of employee's household.   |
| 18. Income            | 251   | 252 | Numeric RJ   | I2            |  | Code Indicating the combined annual household income of all members of this household. See code definitions below.   |

Household Income Codes

|                          |                           |                             |
|--------------------------|---------------------------|-----------------------------|
| 1 - Less than \$5,000    | 7 - \$30,000 to \$34,999  | 13 - \$100,000 to \$124,999 |
| 2 - \$5,000 to \$9,999   | 8 - \$35,000 to \$39,999  | 14 - \$125,000 to \$149,999 |
| 3 - \$10,000 to \$14,999 | 9 - \$40,000 to \$49,999  | 15 - \$150,000 or more      |
| 4 - \$15,000 to \$19,999 | 10 - \$50,000 to \$59,999 | 99 - No response            |
| 5 - \$20,000 to \$24,999 | 11 - \$60,000 to \$74,999 |                             |
| 6 - \$25,000 to \$29,999 | 12 - \$75,000 to \$99,999 |                             |

The above record is followed by records containing the vehicle information completed by the employee. There should be one record for each vehicle in the following ASCII format.

| <u>Item</u>            | <u>Begin</u> | <u>End</u> | <u>Type</u>  | <u>Field Columns</u> |   |
|------------------------|--------------|------------|--------------|----------------------|---|
|                        |              |            |              | <u>Format</u>        | <u>Description</u>  |
| 1. Record Type         | 1            | 2          | Numeric RJ   | I2                   | Code indicating type of record. Here it should be 6.  |
| 2. Blank               | 3            | 6          |              |                      | This field should be blank.   |
| 3. Site Number         | 7            | 10         | Numeric RJ   | I4                   | Unique non-zero number assigned to the workplace where this employee works (Same as above).   |
| 4. Sample Number       | 11           | 15         | Numeric RJ   | I5                   | Unique non-zero number assigned to this sample (i.e. employee). This number will be assigned to the form handed out to the employee to complete and return (Same as above). |
| 5. Vehicle Number      | 16           | 16         | Numeric RJ   | I1                   | Unique non-zero number assigned to the vehicle.   |
| 6. Year                | 17           | 20         | Numeric RJ   | I4                   | Year vehicle was manufactured.  |
| 7. Make                | 21           | 45         | Alphanum. LJ | A25                  | Make of vehicle used for trip.  |
| 8. Model               | 46           | 70         | Alphanum. LJ | A25                  | Model of vehicle used for trip.   |
| 9. Fuel Type           | 71           | 72         | Numeric RJ   | I2                   | Code indicating type of fuel used by vehicle; 1-Diesel, 2-Gas, 3-Other, 4-No Response or Unknown.   |
| 10. Other Description  | 73           | 82         | Alphanum. LJ | A10                  | Description of fuel used by vehicle if fuel type is coded as "other".   |
| 11. Vehicle Type       | 83           | 85         | Numeric RJ   | I3                   | Code indicating the type of vehicle. See code definitions below.  |
| 12. EPA Classification | 86           | 87         | Numeric RJ   | I2                   | Code identifying vehicle classification. See below for definitions.   |
| 13. Beginning Mileage  | 88           | 95         | Numeric RJ   | I8                   | Odometer reading on vehicle at beginning of travel day.   |
| 14. Ending Mileage     | 96           | 103        | Numeric RJ   | I8                   | Odometer reading on vehicle at end of travel day.   |

Item 12. EPA Classification Types

- 1 – Light Duty Gas Vehicle
- 2 – Light Duty Gas Truck Type 1
- 3 – Light Duty Gas Truck Type 2
- 4 – Heavy Duty Gas Truck

- 5 – Light Duty Diesel Vehicle
- 6 – Light Duty Diesel Truck
- 7 – Heavy Duty Diesel Truck
- 8 – Motorcycle

Item 11. Vehicle Type

- 1. Motorcycle
- 2. Car
- 3. Van
- 4. Sport Utility Vehicle
- 5. Pickup Truck
- 6. Cargo Van
- 7. Other
- 99 Refused/Unknown

Workplace Employee Survey  
Survey Form B, Part 2 Format

This file will contain the travel information for employees surveyed in the Workplace survey. The data should be in an ASCII data file format.

| Item                 | Begin | End | Type         | Field Columns |  |
|----------------------|-------|-----|--------------|---------------|--|
|                      |       |     |              | Format        | Description  |
| 1. Record Type       | 1     | 2   | Numeric RJ   | I2            | Code indicating type of record. Here it should be 7.   |
| 2. Month             | 3     | 4   | Numeric RJ   | I2            | Month that travel occurred.  |
| 3. Day               | 5     | 6   | Numeric RJ   | I2            | Day of the month that travel occurred.   |
| 4. Site Number       | 7     | 10  | Numeric RJ   | I4            | Unique non-zero number assigned to the establishment where this employee works.  |
| 5. Sample Number     | 11    | 15  | Numeric RJ   | I5            | Unique non-zero number assigned to this sample (i.e. employee). This number will be assigned to the form handed out to the employee to complete and return.  |
| 6. Trip Number       | 16    | 17  | Numeric RJ   | I2            | Trip number. Beginning trip will be recorded as 0 with each subsequent trip numbered sequentially as 1,2,3,etc.  |
| 7. Location          | 18    | 47  | Alphanum. LJ | A30           | Description of location. This field contains the name/description of the location. For example, if this is the beginning of the trip and the location was home, this would have home in it.  |
| 8. Address           | 48    | 77  | Alphanum. LJ | A30           | Street address of location.  |
| 9. City              | 78    | 92  | Alphanum. LJ | A15           | City where location is.  |
| 10. Zip Code         | 93    | 97  | Numeric RJ   | I5            | Zip code for location.   |
| 11. Longitude        | 98    | 107 | Numeric RJ   | F10.6         | Longitude of location. If address is outside study area, this should be coded 999.9999. If unknown, it should be coded 888.8888.   |
| 12. Latitude         | 108   | 117 | Numeric RJ   | F10.6         | Latitude of location. If address is outside study area, this should be coded 999.9999. If unknown, it should be coded 888.8888.  |
| 13. State Zone Ind   | 118   | 118 | Alphanum. LJ | A1            | If location is outside study area and within Texas, this field should contain the letter "S" indicating a state zone number is coded in the next field.  |
| 14. Zone Number      | 119   | 123 | Numeric RJ   | I5            | Zone number of location. Locations in Mexico should be coded 7777. Locations outside of study area but within Texas should be coded to the state zone system. Unknown zone numbers in study area should be coded as 8888. Unknown zone numbers outside study area but within Texas should be coded as 6666. Locations outside Texas and not in Mexico should be coded as 9999. |
| 15. Road             | 124   | 153 | Alphanum. LJ | A30           | If location is outside of study area, this is the name of the street/highway/bridge the person was on when they entered/left the study area.   |
| 16. Work Location    | 154   | 155 | Numeric RJ   | I2            | Code indicating if this location is where person normally works at or out of; 1-Yes, 2-No, 99-Unknown / No Response.   |
| 17. Arrival Hour     | 156   | 158 | Numeric RJ   | I3            | Hour that employee arrived at this location. This hour should be in terms of military time. If this is trip number 0, this field should be blank.  |
| 18. Arrival Minute   | 159   | 161 | Numeric RJ   | I3            | Minute that employee arrived at this location. If this is trip number 0, this field should be blank.   |
| 19. Departure Hour   | 162   | 164 | Numeric RJ   | I3            | Hour that employee departed this location. This hour should be in terms of military time. If this is the last location (i.e. trip), this field should be blank.  |
| 20. Departure Minute | 165   | 167 | Numeric RJ   | I3            | Minute that employee departed this location. If this is the last location (i.e. trip), this field should be blank.   |
| 21. Activity Type    | 168   | 169 | Numeric RJ   | I2            | Code indicating the type of activity at this location. See definitions below.  |
| 22. Other Activity   | 170   | 184 | Alphanum LJ  | A15           | Description of activity at location if activity type is coded as 4- other.   |
| 23. Trip Purpose     | 185   | 186 | Numeric RJ   | I2            | Code indicating purpose of trip. See definitions below. For trip number 0, this should be coded as 1 if it began at home, 2 if it began at work, or as 99 if it began at another location.   |
| 24. Other Purpose    | 187   | 201 | Alphanum. LJ | A15           | Description of trip purpose if purpose code is "other".  |
| 25. Mode             | 202   | 203 | Numeric RJ   | I2            | Code indicating mode of travel used in traveling to this location. See travel mode code definitions below.   |

Workplace Employee Survey, Survey Form B, Part 2 Format Continued.

| <u>Item</u>            | <u>Begin</u> | <u>End</u> | <u>Type</u>  | <u>Field Columns</u> |  | <u>Description</u>  |
|------------------------|--------------|------------|--------------|----------------------|--|---|
|                        |              |            |              | <u>Format</u>        |  |   |
| 26. Other Mode         | 204          | 218        | Alphanum. LJ | A15                  |  | Description of mode of travel if mode is coded as "other".  |
| 27. Number People      | 219          | 220        | Numeric RJ   | I2                   |  | If mode of travel was driver, passenger, taxi, commercial vehicle, or motorcycle, this is the number of persons in the vehicle, including the person completing the form. A zero/ blank should be recorded for all other modes of travel. |
| 28. Vehicle Year       | 221          | 225        | Numeric RJ   | I5                   |  | If mode was driver, passenger, or commercial vehicle, this is the year vehicle was manufactured. The information may come from record type 6 of employee survey.  |
| 29. Vehicle Make       | 226          | 250        | Alphanum. LJ | A25                  |  | Make of vehicle used for trip.  |
| 30. Vehicle Model      | 251          | 275        | Alphanum. LJ | A25                  |  | Model of vehicle used for trip.   |
| 31. Parking Cost       | 276          | 281        | Numeric RJ   | F6.2                 |  | Cost of parking if parking was paid.  |
| 32. Cost Basis         | 282          | 283        | Numeric RJ   | I2                   |  | Code indicating basis for parking cost; 1-Hourly, 2-Daily, 3-Monthly, 4-Unknown / No Response.  |
| 33. Bus Fare           | 284          | 289        | Numeric RJ   | F6.2                 |  | Bus fare cost if trip was by bus.   |
| 34. Arrival Mode       | 290          | 291        | Numeric RJ   | I2                   |  | Code indicating the mode used by the person to get to the location where they boarded the bus. This should be zero/ blank for all modes of travel except bus. See code definitions.   |
| 35. Other Arrival Mode | 292          | 306        | Alphanum. LJ | A15                  |  | Description of arrival mode of travel if arrival is coded as "other".   |

Item 20. Activity Type Codes

- 1 – Office
- 2 – Retail / Restaurant
- 3 – Industrial / Manufacturing
- 4 – Medical
- 5 – Education – Day Care / K-12<sup>th</sup>
- 6 – Education – College, Trade, Other
- 7 – Government
- 8 – Convenience / Gas Store
- 9 – Park / Open Space
- 10 – Other
- 99 – Unknown / Refused

Item 22. Trip Purpose Codes

- 1 – Return Home
- 2 – Go to Work
- 3 – Work Related
- 4 – School
- 5 – Social / Recreation
- 6 – Eat Out
- 7 – Shop
- 8 – Pick up / Drop off Passenger
- 9 – Change Travel Mode
- 10 – Personal Business
- 11 – Other
- 99 – No Response

Item 24. Mode of Transportation Codes

- 1 – Driver (car/truck/van)
- 2 – Passenger (car/truck/van)
- 3 – Walk
- 4 – Bicycle
- 5 – Bus / Public Transportation
- 6 – School Bus
- 7 – Taxi / Limo
- 8 – Commercial Vehicle (over 1 ton)
- 9 – Motorcycle
- 10 – Other
- 99 – No Response

Item 33. Arrival Mode Codes

- 1 – Drove Auto and Parked
- 2 – Dropped Off
- 3 – Walked
- 4 – Carpooled
- 5 – Other

Visitor Survey, Free Standing Workplace  
Survey Form C Format

This file will contain the travel data for non-employees (visitors) at surveyed free standing work establishments using Form C, Non-Employee Survey, Free Standing Workplace. The data should be in an ASCII data file.

| <u>Item</u>              | <u>Begin</u> | <u>End</u> | <u>Type</u>  | <u>Field Columns</u> |               | <u>Description</u>  |
|--------------------------|--------------|------------|--------------|----------------------|---------------|---|
|                          |              |            |              |                      | <u>Format</u> |   |
| 1. Record Type           | 1            | 2          | Numeric RJ   |                      | I2            | Code which indicates the type of record, here it should be 8.   |
| 2. Month                 | 3            | 4          | Numeric RJ   |                      | I2            | Month workplace was surveyed.   |
| 3. Day                   | 5            | 6          | Numeric RJ   |                      | I2            | Day of the month workplace was surveyed.  |
| 4. Site Number           | 7            | 10         | Numeric RJ   |                      | I4            | Unique non-zero number assigned to the establishment where these interviews were conducted.   |
| 5. Person Number         | 11           | 11         | Numeric RJ   |                      | I1            | Number of person being interviewed. This corresponds to the column number on the interview form.  |
| 6. Residence             | 12           | 36         | Alphanum. LJ |                      | A25           | Name of city, county or country where person lives.   |
| 7. Residence Code        | 37           | 38         | Numeric RJ   |                      | I2            | Code indicating if residence is outside study area; 1-Yes, 2-No, 99-Refused / Unknown.  |
| 8. Overnight Stay        | 39           | 40         | Numeric RJ   |                      | I2            | If residence code is 1, this field entry is a code indicating if person stayed over night in the Laredo area; 1-Yes, 2-No, 99-Refused / Unknown. If residence code is 2, this field should be blank.  |
| 9. Place Stayed          | 41           | 70         | Alphanum. LJ |                      | A30           | If person stayed over night, this field contains the name of the place the person stayed. If person did not stay over night, this field should be blank.  |
| 10. Entry Road           | 71           | 100        | Alphanum. LJ |                      | A30           | If person did not stay over night, this field should contain the name of the street/highway/bridge the person was on when they entered the study area. If person stayed over night, this field should be blank. Note that airport is a valid entry.   |
| 11. Home Address         | 101          | 150        | Alphanum. LJ |                      | A50           | Address where person lives. If person gives nearest intersecting streets, this should be the first street name.   |
| 12. Intersecting Street  | 151          | 180        | Alphanum. LJ |                      | A30           | If person gave nearest intersecting streets for their home address, this field should have the second street name, otherwise it is blank.   |
| 13. Home Longitude       | 181          | 190        | Numeric RJ   |                      | F10.6         | Longitude of person's home address. If address is in Mexico, this should be coded 777.7777. If address is outside study area, this should be coded 999.9999. If unknown, it should be coded 888.8888.   |
| 14. Home Latitude        | 191          | 200        | Numeric RJ   |                      | F10.6         | Latitude of person's home address. If address is in Mexico, this should be coded 777.7777. If address is outside study area, this should be coded 999.9999. If unknown, it should be coded 888.8888.  |
| 15. State Zone Indicator | 201          | 201        | Alphanum. LJ |                      | A1            | If address is outside study area but within Texas, this field should contain the letter "S" indicating the zone number in the next field is for the state zone system. Otherwise this field should be blank.  |
| 16. Home Zone            | 202          | 206        | Numeric RJ   |                      | I5            | Zone number where person lives. Locations in Mexico should be coded 7777. Locations outside of study area but within Texas should be coded to the state zone system. Unknown zone numbers in study area should be coded as 8888. Unknown zone numbers outside study area but within Texas should be coded as 6666. Locations outside Texas and not in Mexico should be coded as 9999. |
| 17. Origin Code          | 207          | 208        | Numeric RJ   |                      | I2            | Code indicating origin of trip; 1-Home, 2-Other.  |
| 18. Origin Location      | 209          | 268        | Alphanum. LJ |                      | A60           | Location that trip originated from (i.e. name, address, etc).   |
| 19. Origin Longitude     | 269          | 278        | Numeric RJ   |                      | F10.6         | Longitude of location trip originated from. If location is in Mexico, this should be coded 777.7777. If location is outside study area, this should be coded 999.9999. If unknown, it should be coded 888.8888.   |

Visitor Survey, Free Standing Workplace Survey, Form C Format, Continued.

| <u>Item</u>                 | <u>Begin</u> | <u>End</u> | <u>Type</u>  | <u>Field Columns</u><br><u>Format</u> | <u>Description</u>  |
|-----------------------------|--------------|------------|--------------|---------------------------------------|---|
| 20. Origin Latitude         | 279          | 288        | Numeric RJ   | F10.6                                 | Latitude of location trip originated from. If location is in Mexico, this should be coded 777.7777. If location is outside study area, this should be coded 999.9999. If unknown, it should be coded 888.8888.  |
| 21. State Zone Indicator    | 289          | 289        | Alphanum. LJ | A1                                    | If address is outside study area but within Texas, this field should contain the letter "S" indicating the zone number in the next field is for the state zone system. Otherwise this field should be blank.  |
| 22. Origin Zone             | 290          | 293        | Numeric RJ   | I4                                    | Zone where trip originated. Locations in Mexico should be coded 7777. Locations outside of study area but within Texas should be coded to the state zone system. Unknown zone numbers in study area should be coded as 8888. Unknown zone numbers outside study area but within Texas should be coded as 6666. Locations outside Texas and not in Mexico should be coded as 9999. |
| 23. General Origin Location | 294          | 295        | Numeric RJ   | I2                                    | Code indicating where the trip originated. 1 – in study area, 2 – in Mexico, 3 – outside study area, 99 – Unknown / Refused.  |
| 24. Bridge Entry            | 296          | 296        | Numeric RJ   | I1                                    | Code indicating the bridge used to enter the study area. See definitions below.   |
| 25. Entry Facility          | 297          | 326        | Alphanum. LJ | A30                                   | If origin is outside of study area, this field should contain the name of the bridge, street, or highway used to enter study area.  |
| 26. Entry External Zone     | 327          | 332        | Numeric RJ   | I5                                    | If origin is outside of study area this field should contain the external station number associated with the bridge, street, or highway used to enter study area.   |
| 27. Arrival Hour            | 332          | 334        | Numeric RJ   | I3                                    | Hour person arrived at this site. This hour should be in terms of military time.  |
| 28. Arrival Minute          | 335          | 337        | Numeric RJ   | I3                                    | Minute person arrived at this site.   |
| 29. Mode                    | 338          | 339        | Numeric RJ   | I2                                    | Code indicating mode of travel to this location. See definitions below.   |
| 30. Other Mode              | 340          | 349        | Alphanum. LJ | A10                                   | If mode is coded "other", this field should contain a description of the mode given.  |
| 31. Number Persons          | 350          | 351        | Numeric RJ   | I2                                    | If mode of travel was driver, passenger, taxi, commercial vehicle or motorcycle, this is the number of persons in the vehicle including the person being interviewed. This field is blank for all other modes.  |
| 32. Bus Fare                | 352          | 357        | Numeric RJ   | F6.2                                  | If mode of travel was bus, this is the bus fare paid.   |
| 33. Trip Purpose            | 358          | 359        | Numeric RJ   | I2                                    | Code indicating purpose of trip. See code definitions below.  |
| 34. Other Purpose           | 360          | 369        | Alphanum. LJ | A10                                   | If purpose is coded as "other", this contains description of purpose given.   |
| 35. Depart Destination      | 370          | 371        | Numeric RJ   | I2                                    | Code indicating destination when person departs from this site; 1-Home, 2-Other.  |
| 36. Destination Location    | 372          | 431        | Alphanum. LJ | A60                                   | Location of destination person is going.  |
| 37. Destination Longitude   | 432          | 441        | Numeric RJ   | F10.6                                 | Longitude of destination location. If location is in Mexico, this should be coded 777.7777. If location is outside study area, this should be coded 999.9999. If unknown, it should be coded 888.8888.  |
| 38. Destination Latitude    | 442          | 451        | Numeric RJ   | F10.6                                 | Latitude of destination location. If address is in Mexico, this should be coded 777.7777. If address is outside study area, this should be coded 999.9999. If unknown, it should be coded 888.8888.   |
| 39. State Zone Indicator    | 452          | 452        | Alphanum. LJ | A1                                    | If address is outside study area but within Texas, this field should contain the letter "S" indicating the zone number in the next field is for the state zone system. Otherwise this field should be blank.  |

Visitor Survey, Free Standing Workplace Survey Form C Format Continued.

| <u>Item</u>                      | <u>Begin</u> | <u>End</u> | <u>Type</u>  | Field Columns<br><u>Format</u> | <u>Description</u>   |
|----------------------------------|--------------|------------|--------------|--------------------------------|--|
| 40. Destination Zone             | 453          | 457        | Numeric RJ   | I5                             | Zone where individual is going when they leave this location. Locations in Mexico should be coded 7777. Locations outside of study area but within Texas should be coded to the state zone system. Unknown zone numbers in study area should be coded as 8888. Unknown zone numbers outside of study area but within Texas should be coded as 6666. Locations outside Texas and not in Mexico should be coded as 9999. |
| 41. General Destination Location | 458          | 459        | Numeric RJ   | I2                             | Code indicating the destination location of the trip. 1 – in study area, 2 – in Mexico, 3 – outside study area, 99 – Unknown / Refused.  |
| 42. Bridge Exit                  | 460          | 460        | Numeric RJ   | I1                             | Code indicating the bridge used to exit the study area. See definitions below.   |
| 43. Exit Facility                | 461          | 490        | Alphanum. LJ | A30                            | If destination is outside of study area, this field should contain the name of the bridge, street, or highway used to enter study area.  |
| 44. Exit External Zone           | 491          | 495        | Numeric RJ   | I5                             | If destination is outside of study area this field should contain the external station number associated with the bridge, street, or highway used to enter study area.   |
| 45. Household Size               | 496          | 498        | Numeric RJ   | I3                             | Number of persons living at person's home address.   |
| 46. Vehicles Available           | 499          | 500        | Numeric RJ   | I2                             | Number of vehicles available to persons in household.  |
| 47. Income                       | 501          | 502        | Numeric RJ   | I2                             | Code indicating household income. See code definitions.  |
| 48. Form Number                  | 503          | 508        | Numeric RJ   | I6                             | Survey form number which contains raw survey data.   |
| 49. Survey Hour                  | 509          | 510        | Numeric RJ   | I2                             | Hour that the survey of the person began. This hour should be in terms of military time.   |
| 50. Survey Minute                | 511          | 512        | Numeric RJ   | I2                             | Minute that the survey of the person began.  |

Item 24. Bridge Codes

- 1 – Gateway to the Americas Bridge (Convent Street)
- 2 – Juarez Lincoln Bridge (IH 35 / US 283)
- 3 – Columbia Solidarity Bridge (FM 255)
- 4 – World Trade Bridge (Loop 20)

Item 29. Mode of Transportation Codes

- 1 – Driver (car/truck/van)
- 2 – Passenger (car/truck/van)
- 3 – Walk
- 4 – Bicycle
- 5 – Bus / Public Transportation
- 6 – School Bus
- 7 – Taxi / Limo
- 8 – Commercial Vehicle (over 1 ton)
- 9 – Motorcycle
- 10 – Other
- 99 – No Response

Item 33. Trip Purpose Codes

- 1 – Work Related
- 2 – School Related
- 3 – Social / Recreational / Visit
- 4 – Shop
- 5 – Eat Out
- 6 – Pick Up / Drop Off Passenger
- 7 – Change Travel Mode
- 8 – Delivery – Pick Up / Drop Off
- 9 – Other
- 99 – Non-Response

Item 47. Household Income Codes

- |                          |                           |                             |
|--------------------------|---------------------------|-----------------------------|
| 1 – Less than \$5,000    | 7 - \$30,000 to \$34,999  | 13 - \$100,000 to \$124,999 |
| 2 - \$5,000 to \$9,999   | 8 - \$35,000 to \$39,999  | 14 - \$125,000 to \$149,999 |
| 3 - \$10,000 to \$14,999 | 9 - \$40,000 to \$49,999  | 15 - \$150,000 or more      |
| 4 - \$15,000 to \$19,999 | 10 - \$50,000 to \$59,999 | 99 – No response            |
| 5 - \$20,000 to \$24,999 | 11 - \$60,000 to \$74,999 |                             |
| 6 - \$25,000 to \$29,999 | 12 - \$75,000 to \$99,999 |                             |

Visitor Survey, Non-Free Standing Workplace  
Survey Form D Format

This file will contain the travel data for non-employees (visitors) at surveyed non-free standing work establishments using Form D, Non-Employee Survey, Non-Free Standing Workplace. The data should be in an ASCII data file.

| <u>Item</u>              | <u>Begin</u> | <u>End</u> | <u>Type</u>  | <u>Field Columns</u> |               | <u>Description</u>  |
|--------------------------|--------------|------------|--------------|----------------------|---------------|---|
|                          |              |            |              |                      | <u>Format</u> |   |
| 1. Record Type           | 1            | 2          | Numeric RJ   |                      | I2            | Code which indicates the type of record, here it should be 11.  |
| 2. Month                 | 3            | 4          | Numeric RJ   |                      | I2            | Month workplace was surveyed.   |
| 3. Day                   | 5            | 6          | Numeric RJ   |                      | I2            | Day of the month workplace was surveyed.  |
| 4. Site Number           | 7            | 10         | Numeric RJ   |                      | I4            | Unique non-zero number assigned to the establishment where these interviews were conducted.   |
| 5. Person Number         | 11           | 11         | Numeric RJ   |                      | I1            | Number of person being interviewed. This corresponds to the column number on the interview form.  |
| 6. Residence             | 12           | 36         | Alphanum. LJ |                      | A25           | Name of city, county or country where person lives.   |
| 7. Residence Code        | 37           | 38         | Numeric RJ   |                      | I2            | Code indicating if residence is outside study area; 1-Yes, 2-No, 99-Refused / Unknown.  |
| 8. Overnight Stay        | 39           | 40         | Numeric RJ   |                      | I2            | If residence code is 1, this field entry is a code indicating if person stayed over night in the Laredo area; 1-Yes, 2-No, 99-Refused / Unknown. If residence code is 2, this field should be blank.  |
| 9. Place Stayed          | 41           | 70         | Alphanum. LJ |                      | A30           | If person stayed over night, this field contains the name of the place the person stayed. If person did not stay over night, this field should be blank.  |
| 10. Entry Road           | 71           | 100        | Alphanum. LJ |                      | A30           | If person did not stay over night, this field should contain the name of the street/highway/bridge the person was on when they entered the study area. If person stayed over night, this field should be blank. Note that airport is a valid entry.   |
| 11. Home Address         | 101          | 150        | Alphanum. LJ |                      | A50           | Address where person lives. If person gives nearest intersecting streets, this should be the first street name.   |
| 12. Intersecting Street  | 151          | 180        | Alphanum. LJ |                      | A30           | If person gave nearest intersecting streets for their home address, this field should have the second street name, otherwise it is blank.   |
| 13. Home Longitude       | 181          | 190        | Numeric RJ   |                      | F10.6         | Longitude of person's home address. If address is in Mexico, this should be coded 777.7777. If address is outside study area, this should be coded 999.9999. If unknown, it should be coded 888.8888.   |
| 14. Home Latitude        | 191          | 200        | Numeric RJ   |                      | F10.6         | Latitude of person's home address. If address is in Mexico, this should be coded 777.7777. If address is outside study area, this should be coded 999.9999. If unknown, it should be coded 888.8888.  |
| 15. State Zone Indicator | 201          | 201        | Alphanum. LJ |                      | A1            | If address is outside study area but within Texas, this field should contain the letter "S" indicating the zone number in the next field is for the state zone system. Otherwise this field should be blank.  |
| 16. Home Zone            | 202          | 206        | Numeric RJ   |                      | I5            | Zone number where person lives. Locations in Mexico should be coded 7777. Locations outside of study area but within Texas should be coded to the state zone system. Unknown zone numbers in study area should be coded as 8888. Unknown zone numbers outside study area but within Texas should be coded as 6666. Locations outside Texas and not in Mexico should be coded as 9999. |
| 17. Origin Code          | 207          | 208        | Numeric RJ   |                      | I2            | Code indicating origin of trip; 1-Home, 2-Other.  |
| 18. Origin Location      | 209          | 268        | Alphanum. LJ |                      | A60           | Location that trip originated from (i.e. name, address, etc).   |
| 19. Origin Longitude     | 269          | 278        | Numeric RJ   |                      | F10.6         | Longitude of location trip originated from. If location is in Mexico, this should be coded 777.7777. If location is outside study area, this should be coded 999.9999. If unknown, it should be coded 888.8888.   |

Visitor Survey, Free Standing Workplace Survey, Form D Format, Continued.

| <u>Item</u>                 | <u>Begin</u> | <u>End</u> | <u>Type</u>  | <u>Field Columns</u><br><u>Format</u> | <u>Description</u>  |
|-----------------------------|--------------|------------|--------------|---------------------------------------|---|
| 20. Origin Latitude         | 279          | 288        | Numeric RJ   | F10.6                                 | Latitude of location trip originated from. If location is in Mexico, this should be coded 777.7777. If location is outside study area, this should be coded 999.9999. If unknown, it should be coded 888.8888.  |
| 21. State Zone Indicator    | 289          | 289        | Alphanum. LJ | A1                                    | If address is outside study area and within Texas, this field should contain the letter "S" indicating the zone number in the next field is for the state zone system. Otherwise this field should be blank.  |
| 22. Origin Zone             | 290          | 293        | Numeric RJ   | I4                                    | Zone where trip originated. Locations in Mexico should be coded 7777. Locations outside of study area but within Texas should be coded to the state zone system. Unknown zone numbers in study area should be coded as 8888. Unknown zone numbers outside study area but within Texas should be coded as 6666. Locations outside Texas and not in Mexico should be coded as 9999. |
| 23. General Origin Location | 294          | 295        | Numeric RJ   | I2                                    | Code indicating where the trip originated. 1 – in study area, 2 – in Mexico, 3 – outside study area, 99 – Unknown / Refused.  |
| 24. Bridge Entry            | 296          | 296        | Numeric RJ   | I1                                    | Code indicating the bridge used to enter the study area. See definitions below.   |
| 25. Entry Facility          | 297          | 326        | Alphanum. LJ | A30                                   | If origin is outside of study area, this field should contain the name of the bridge, street, or highway used to enter study area.  |
| 26. Entry External Zone     | 327          | 331        | Numeric RJ   | I5                                    | If origin is outside of study area this field should contain the external station number associated with the bridge, street, or highway used to enter study area.   |
| 27. Arrival Hour            | 332          | 334        | Numeric RJ   | I3                                    | Hour person arrived at this site. This hour should be in terms of military time.  |
| 28. Arrival Minute          | 335          | 337        | Numeric RJ   | I3                                    | Minute person arrived at this site.   |
| 29. Mode                    | 338          | 339        | Numeric RJ   | I2                                    | Code indicating mode of travel to this location. See definitions below.   |
| 30. Other Mode              | 340          | 349        | Alphanum. LJ | A10                                   | If mode is coded "other", this field should contain a description of the mode given.  |
| 31. Number Persons          | 350          | 351        | Numeric RJ   | I2                                    | If mode of travel was driver, passenger, taxi, commercial vehicle or motorcycle, this is the number of persons in the vehicle including the person being interviewed. This field is blank for all other modes.  |
| 32. Bus Fare                | 352          | 357        | Numeric RJ   | F6.2                                  | If mode of travel was bus, this is the bus fare paid.   |
| 33. Trip Purpose            | 358          | 359        | Numeric RJ   | I2                                    | Code indicating purpose of trip. See code definitions below.  |
| 34. Other Purpose           | 360          | 369        | Alphanum. LJ | A10                                   | If purpose is coded as "other", this contains description of purpose given.   |
| 35. First Store             | 370          | 371        | Numeric RJ   | I2                                    | Code indicating if this store/establishment is the first visited in the center since arriving; 1-Yes, 2-No, 99-Refused / Unknown.   |
| 36. Number Visited          | 372          | 373        | Numeric RJ   | I2                                    | Number of stores/establishments visited in this center.   |
| 37. More Visits             | 374          | 375        | Numeric RJ   | I2                                    | Number of stores/establishments in this center person plans on visiting during this trip.   |
| 38. Depart Destination      | 376          | 377        | Numeric RJ   | I2                                    | Code indicating destination when person departs from this site; 1-Home, 2-Other.  |
| 39. Destination Location    | 378          | 437        | Alphanum. LJ | A60                                   | Location of destination person is going.  |
| 40. Destination Longitude   | 438          | 447        | Numeric RJ   | F10.6                                 | Longitude of destination location. If location is in Mexico, this should be coded 777.7777. If location is outside study area, this should be coded 999.9999. If unknown, it should be coded 888.8888.  |
| 41. Destination Latitude    | 448          | 457        | Numeric RJ   | F10.6                                 | Latitude of destination location. If address is in Mexico, this should be coded 777.7777. If address is outside study area, this should be coded 999.9999. If unknown, it should be coded 888.8888.   |

Visitor Survey, Free Standing Workplace Survey Form D Format, Continued.

| <u>Item</u>                      | <u>Begin</u> | <u>End</u> | <u>Type</u>  | <u>Field Columns</u><br><u>Format</u> | <u>Description</u>  |
|----------------------------------|--------------|------------|--------------|---------------------------------------|---|
| 42. State Zone Indicator         | 458          | 458        | Alphanum. LJ | A1                                    | If address is outside study area but within Texas, this field should contain the letter "S" indicating the zone number in the next field is for the state zone system. Otherwise this field should be blank.  |
| 43. Destination Zone             | 459          | 463        | Numeric RJ   | I5                                    | Zone where individual is going when they leave this location. Locations in Mexico should be coded 7777. Locations outside of study area but within Texas should be coded to the state zone system. Unknown zone numbers in study area should be coded as 8888. Unknown zone numbers outside study area but within Texas should be coded as 6666. Locations outside Texas and not in Mexico should be coded as 9999. |
| 44. General Destination Location | 464          | 465        | Numeric RJ   | I2                                    | Code indicating the destination location of the trip. 1 – in study area, 2 – in Mexico, 3 – outside study area, 99 – Unknown / Refused.   |
| 45. Bridge Exit                  | 466          | 466        | Numeric RJ   | I1                                    | Code indicating the bridge used to exit the study area. See definitions below.  |
| 46. Exit Facility                | 467          | 496        | Alphanum. LJ | A30                                   | If destination is outside of study area, this field should contain the name of the bridge, street, or highway used to enter study area.   |
| 47. Exit External Zone           | 497          | 501        | Numeric RJ   | I5                                    | If destination is outside of study area this field should contain the external station number associated with the bridge, street, or highway used to enter study area.  |
| 48. Household Size               | 502          | 504        | Numeric RJ   | I3                                    | Number of persons living at person's home address.  |
| 49. Vehicles Available           | 505          | 506        | Numeric RJ   | I2                                    | Number of vehicles available to persons in household.   |
| 50. Income                       | 507          | 508        | Numeric RJ   | I2                                    | Code indicating household income. See code definitions.   |
| 51. Form Number                  | 509          | 514        | Numeric RJ   | I6                                    | Survey form number which contains raw survey data.  |
| 52. Survey Hour                  | 515          | 516        | Numeric RJ   | I2                                    | Hour that the survey of the person began. This hour should be in terms of military time.  |
| 53. Survey Minute                | 517          | 518        | Numeric RJ   | I2                                    | Minute that the survey of the person began.   |

Item 24. Bridge Codes

- 1 – Gateway to the Americas Bridge (Convent Street)
- 2 – Juarez Lincoln Bridge (IH 35 / US 283)
- 3 – Columbia Solidarity Bridge (FM 255)
- 4 – World Trade Bridge (Loop 20)

Item 29. Mode of Transportation Codes

- 1 – Driver (car/truck/van)
- 2 – Passenger (car/truck/van)
- 3 – Walk
- 4 – Bicycle
- 5 – Bus / Public Transportation
- 6 – School Bus
- 7 – Taxi / Limo
- 8 – Commercial Vehicle (over 1 ton)
- 9 – Motorcycle
- 10 – Other
- 99 – No Response

Item 33. Trip Purpose Codes

- 1 – Work Related
- 2 – School Related
- 3 – Social / Recreational / Visit
- 4 – Shop
- 5 – Eat Out
- 6 – Pick Up / Drop Off Passenger
- 7 – Change Travel Mode
- 8 – Delivery – Pick Up / Drop Off
- 9 – Other
- 99 – Non-Response

Item 50. Household Income Codes

- |                          |                           |                             |
|--------------------------|---------------------------|-----------------------------|
| 1 – Less than \$5,000    | 7 - \$30,000 to \$34,999  | 13 - \$100,000 to \$124,999 |
| 2 - \$5,000 to \$9,999   | 8 - \$35,000 to \$39,999  | 14 - \$125,000 to \$149,999 |
| 3 - \$10,000 to \$14,999 | 9 - \$40,000 to \$49,999  | 15 - \$150,000 or more      |
| 4 - \$15,000 to \$19,999 | 10 - \$50,000 to \$59,999 | 99 – No response            |
| 5 - \$20,000 to \$24,999 | 11 - \$60,000 to \$74,999 |                             |
| 6 - \$25,000 to \$29,999 | 12 - \$75,000 to \$99,999 |                             |

Workplace Commercial Vehicle Survey Interview  
Survey Form E Format

This file will contain the travel data for commercial vehicles surveyed in the workplace survey using Form E, Workplace Commercial Vehicle Survey. The data should be in an ASCII data file.

| Item                      | Begin | End | Type         | Field Columns |  | Description   |
|---------------------------|-------|-----|--------------|---------------|--|---|
|                           |       |     |              | Format        |  |   |
| 1. Record Type            | 1     | 2   | Numeric RJ   | I2            |  | Code which indicates the type of record, here it should be 10.  |
| 2. Month                  | 3     | 4   | Numeric RJ   | I2            |  | Month workplace was surveyed.   |
| 3. Day                    | 5     | 6   | Numeric RJ   | I2            |  | Day of the month workplace was surveyed.  |
| 4. Site Number            | 7     | 10  | Numeric RJ   | I4            |  | Non-zero number assigned to the workplace.  |
| 5. Truck Number           | 11    | 11  | Numeric RJ   | I1            |  | Truck number surveyed. This should correspond to the column number of the survey form used to collect the data.   |
| 6. Arrival Hour           | 12    | 14  | Numeric RJ   | I3            |  | Hour vehicle arrived at location. Must be in military time.   |
| 7. Arrival Minute         | 15    | 17  | Numeric RJ   | I3            |  | Minute vehicle arrived at location.   |
| 8. Occupancy              | 18    | 19  | Numeric RJ   | I2            |  | Number of people in vehicle.  |
| 9. Vehicle Classification | 20    | 21  | Numeric RJ   | I2            |  | Code indicating the classification of the vehicle. See below for code descriptions.   |
| 10. Other Classification  | 22    | 31  | Alphanum. LJ | A10           |  | If vehicle classification is coded as "other", this field should contain the description recorded on the survey form for vehicle.   |
| 11. Year of Vehicle       | 32    | 36  | Numeric RJ   | I5            |  | Year vehicle was manufactured.  |
| 12. Gross Vehicle Weight  | 37    | 44  | Numeric RJ   | I8            |  | Gross (empty) weight of vehicle.  |
| 13. Vehicle Fuel Type     | 45    | 46  | Numeric RJ   | I2            |  | Type of fuel used by vehicle; 1-Leaded Gas, 2-Unleaded Gas, 3-Diesel, 4-Propane, 5-Other.   |
| 14. Other Fuel            | 47    | 56  | Alphanum. LJ | A10           |  | If vehicle fuel type is coded "other", this field should contain the description recorded on the survey form for the vehicle.   |
| 15. Odometer              | 57    | 64  | Numeric RJ   | I8            |  | Odometer mileage on vehicle.  |
| 16. Vehicle Cargo         | 65    | 67  | Numeric RJ   | I3            |  | Cargo being carried by vehicle. See code definitions below.   |
| 17. Cargo Origin Country  | 68    | 69  | Numeric RJ   | I2            |  | If cargo originated in Mexico enter 1 for Yes and 2 for No.   |
| 18. Trip Purpose          | 70    | 71  | Numeric RJ   | I2            |  | Purpose of trip. See code descriptions below.   |
| 19. Other Trip Purpose    | 72    | 81  | Alphanum. LJ | A10           |  | If trip purpose is coded as "other", this is a description of that purpose.   |
| 20. Origin Address        | 82    | 141 | Alphanum. LJ | A60           |  | City and street address of last place person got into vehicle before traveling to this workplace.   |
| 21. Origin Longitude      | 142   | 151 | Numeric RJ   | F10.6         |  | Longitude of location trip originated from. If location is in Mexico, this should be coded 777.7777. If location is outside study area, this should be coded 999.9999. If unknown, it should be coded 888.8888.   |
| 22. Origin Latitude       | 152   | 161 | Numeric RJ   | F10.6         |  | Latitude of location trip originated from. If location is in Mexico, this should be coded 777.7777. If location is outside study area, this should be coded 999.9999. If unknown, it should be coded 888.8888.  |
| 23. State Zone Indicator  | 162   | 162 | Alphanum. LJ | A1            |  | If address is outside study area but within Texas, this field should contain the letter "S" indicating the zone number in the next field is for the state zone system. Otherwise this field should be blank.  |
| 24. Origin Zone           | 163   | 166 | Numeric RJ   | I4            |  | Zone where trip originated. Locations in Mexico should be coded 7777. Locations outside of study area but within Texas should be coded to the state zone system. Unknown zone numbers in study area should be coded as 8888. Unknown zone numbers outside study area but within Texas should be coded as 6666. Locations outside Texas and not in Mexico should be coded as 9999. |
| 25. Entry Facility        | 167   | 196 | Alphanum. LJ | A30           |  | If origin is outside of study area, this field should contain the name of the bridge, street, or highway used to enter study area.  |

Workplace Commercial Vehicle Survey Interview Survey, Form E Format, Continued.

| <u>Item</u>                   | <u>Begin</u> | <u>End</u> | <u>Type</u>  | <u>Field Columns</u><br><u>Format</u> | <u>Description</u>  |
|-------------------------------|--------------|------------|--------------|---------------------------------------|---|
| 26. Entry External Zone       | 197          | 201        | Numeric RJ   | I5                                    | If origin is outside of study area this field should contain the external station number associated with the bridge, street, or highway used to enter study area.   |
| 27. Origin Purpose            | 202          | 203        | Numeric RJ   | I2                                    | Purpose for being at origin address where this trip originated. See code definitions below.   |
| 28. Other Origin Purpose      | 204          | 213        | Alphanum. LJ | A10                                   | If the origin purpose is coded as "other", this is a description of that purpose.   |
| 29. Hour Departed             | 214          | 216        | Numeric RJ   | I3                                    | Hour vehicle departed from origin address. This time should be in military time.  |
| 30. Minute Departed           | 217          | 219        | Numeric RJ   | I3                                    | Minute vehicle departed from origin address.  |
| 31. Destination Address       | 220          | 279        | Alphanum. LJ | A60                                   | City and street address of location vehicle will be going when they leave this workplace.   |
| 32. Destination Longitude     | 280          | 289        | Numeric RJ   | F10.6                                 | Longitude of destination location. If location is in Mexico, this should be coded 777.7777. If location is outside study area, this should be coded 999.9999. If unknown, it should be coded 888.8888.  |
| 33. Destination Latitude      | 290          | 299        | Numeric RJ   | F10.6                                 | Latitude of destination location. If address is in Mexico, this should be coded 777.7777. If address is outside study area, this should be coded 999.9999. If unknown, it should be coded 888.8888.   |
| 34. State Zone Indicator      | 300          | 300        | Alphanum. LJ | A1                                    | If address is outside study area but within Texas, this field should contain the letter "S" indicating the zone number in the next field is for the state zone system. Otherwise this field should be blank.  |
| 35. Destination Zone          | 301          | 304        | Numeric RJ   | I4                                    | Zone where individual is going when they leave this location. Locations in Mexico should be coded 7777. Locations outside of study area but within Texas should be coded to the state zone system. Unknown zone numbers in study area should be coded as 8888. Unknown zone numbers outside study area but within Texas should be coded as 6666. Locations outside Texas and not in Mexico should be coded as 9999. |
| 36. Exit Facility             | 305          | 334        | Alphanum. LJ | A30                                   | If destination is outside of study area, this field should contain the name of the bridge, street, or highway used to enter study area.   |
| 37. Exit External Zone        | 335          | 339        | Numeric RJ   | I5                                    | If destination is outside of study area this field should contain the external station number associated with the bridge, street, or highway used to enter study area.  |
| 38. Destination Purpose       | 340          | 341        | Numeric RJ   | I2                                    | Purpose for traveling to the next destination. See below for code definitions.  |
| 39. Other Destination Purpose | 342          | 351        | Alphanum. LJ | A10                                   | If the destination purpose is coded as "other", this is a description of that purpose.  |
| 40. Form Number               | 352          | 358        | Numeric RJ   | I7                                    | Number of survey form.  |

Item 9. Vehicle Classification Codes

- 1 – Single Unit 2-axle (6 wheels)
- 2 – Single Unit 3-axle (10 wheels)
- 3 – Single Unit 4-axle (14 wheels)
- 4 – Semi (tractor-trailer combination)
- 5 – Other

Item 17. Trip Purpose Options

- 1 – Base location / Return to base location
- 2 – Delivery
- 3 – Pick up
- 4 – Maintenance
- 5 – Driver Needs (lunch, etc.)
- 6 – To Home
- 7 – Buy Gas / Fuel
- 8 – Other
- 99 – Refused / Unknown

Workplace Commercial Vehicle Survey Interview Survey Form E Format Continued

Vehicle Cargo Codes

|    |   |   |  |
|----|---|---|--|
| 1  | - | Farm Products                           | Livestock, fertilizer, dirt, landscaping, etc.                         |
| 2  | - | Forest Products                         | Trees, sod, etc.   |
| 3  | - | Marine Products                         | Fresh fish, seafood, etc.  |
| 4  | - | Metals and Minerals                     | Crude petroleum, natural gas, propane, Metals, gypsum, ores, etc.      |
| 5  | - | Food, Health, and Beauty Products       | Assorted food products, cosmetics, etc.                                |
| 6  | - | Tobacco Products                        | Cigarettes, cigars, and chewing tobacco                                |
| 7  | - | Textiles                                | Clothing, linens, etc.   |
| 8  | - | Wood Products                           | Lumber, paper, cardboard, wood pulp, etc.                              |
| 9  | - | Printed Matter                          | Newspapers, magazines, books, etc.                                     |
| 10 | - | Chemical Products                       | Soaps, paints, household or industrial chemicals, etc.                 |
| 11 | - | Refined Petroleum or Coal Products      | Gasoline, etc.   |
| 12 | - | Rubber, Plastic, and Styrofoam Products | Finished products of rubber, plastic, or Styrofoam                     |
| 13 | - | Clay, Concrete, Glass, or Stone         | Finished products of clay, concrete, glass, or stone                   |
| 14 | - | Manufactured Goods/Equip.               | Miscellaneous products, such as machinery, appliances, furniture, etc. |
| 15 | - | Wastes                                  | Waste products including scrap and recyclable materials                |
| 16 | - | Miscellaneous Shipments                 | U.S. mail, U.P.S., Federal Express, and other mixed cargo              |
| 17 | - | Hazardous Materials                     | Hazardous chemicals and substances                                     |
| 18 | - | Transportation                          | Automobiles, Heavy Equipment, etc.                                     |
| 19 | - | Unclassified Cargo                      | Cargo not falling within one of the above categories                   |
| 20 | - | Driver Refused to Answer                | Driver refused to answer   |
| 21 | - | Unknown to Driver                       | Unknown to driver  |
| 22 | - | Empty                                   | Empty (including empty shipping containers)                            |