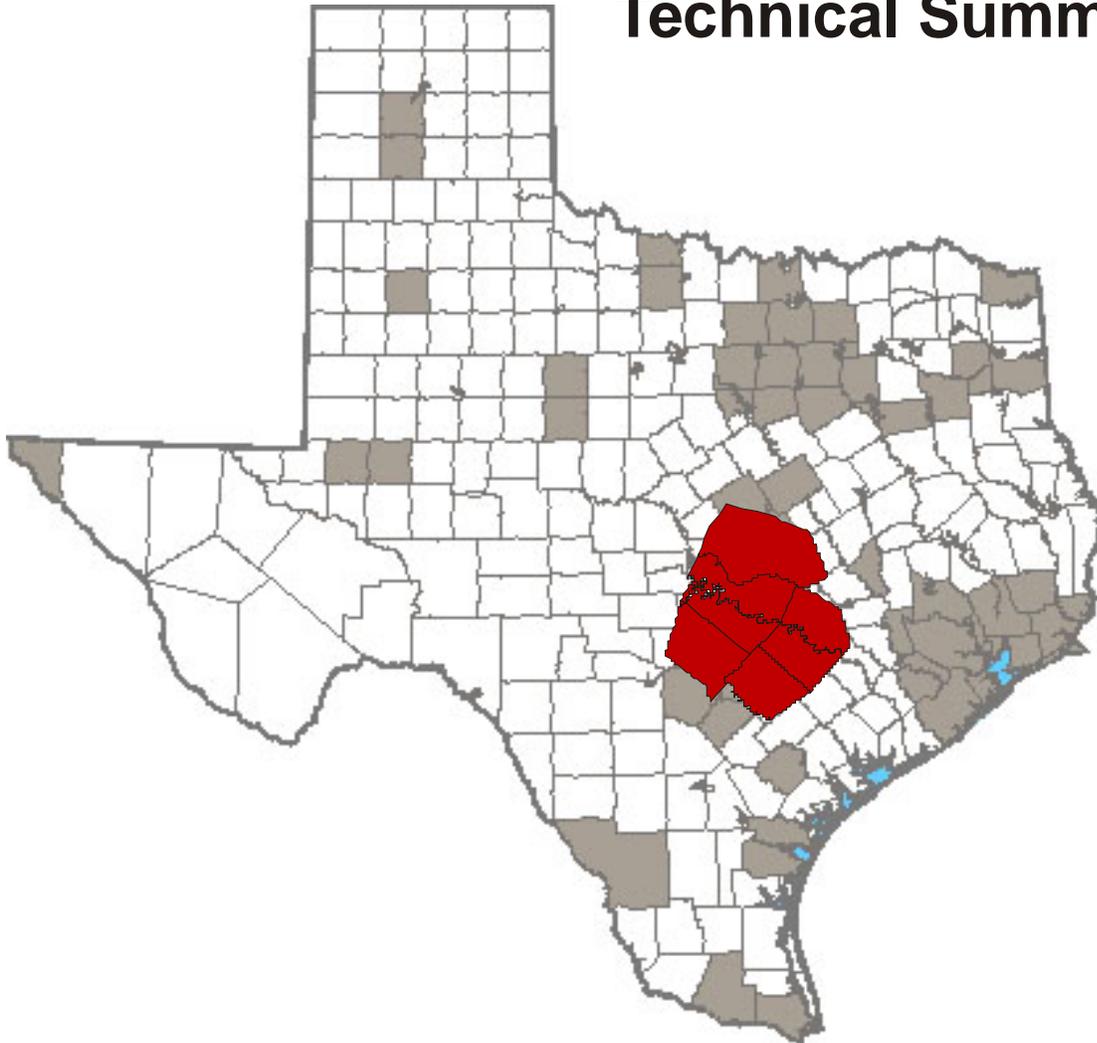


# 2006/2007 Austin Area Work Place Travel Survey Technical Summary



Prepared by the  
Texas Transportation Institute  
March 2009



# **2006/2007 Austin Area Work Place Travel Survey**

## **TECHNICAL SUMMARY**

**Texas Department of Transportation Travel Survey Program**

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## **INTRODUCTION**

In 2006/2007, the Transportation Planning and Programming (TPP) Division of the Texas Department of Transportation (TxDOT) funded a comprehensive set of travel surveys in Austin, Texas. These surveys measured and identified travel patterns within the Austin study area. The data obtained will be used in the development and update of the travel demand model for the Capital Area Metropolitan Planning Organization (CAMPO). The surveys conducted include a household travel/activity survey with a global positioning system (GPS) component, a work place survey, an external station survey, a travel time and delay survey, and two special generator surveys conducted as part of the work place survey.

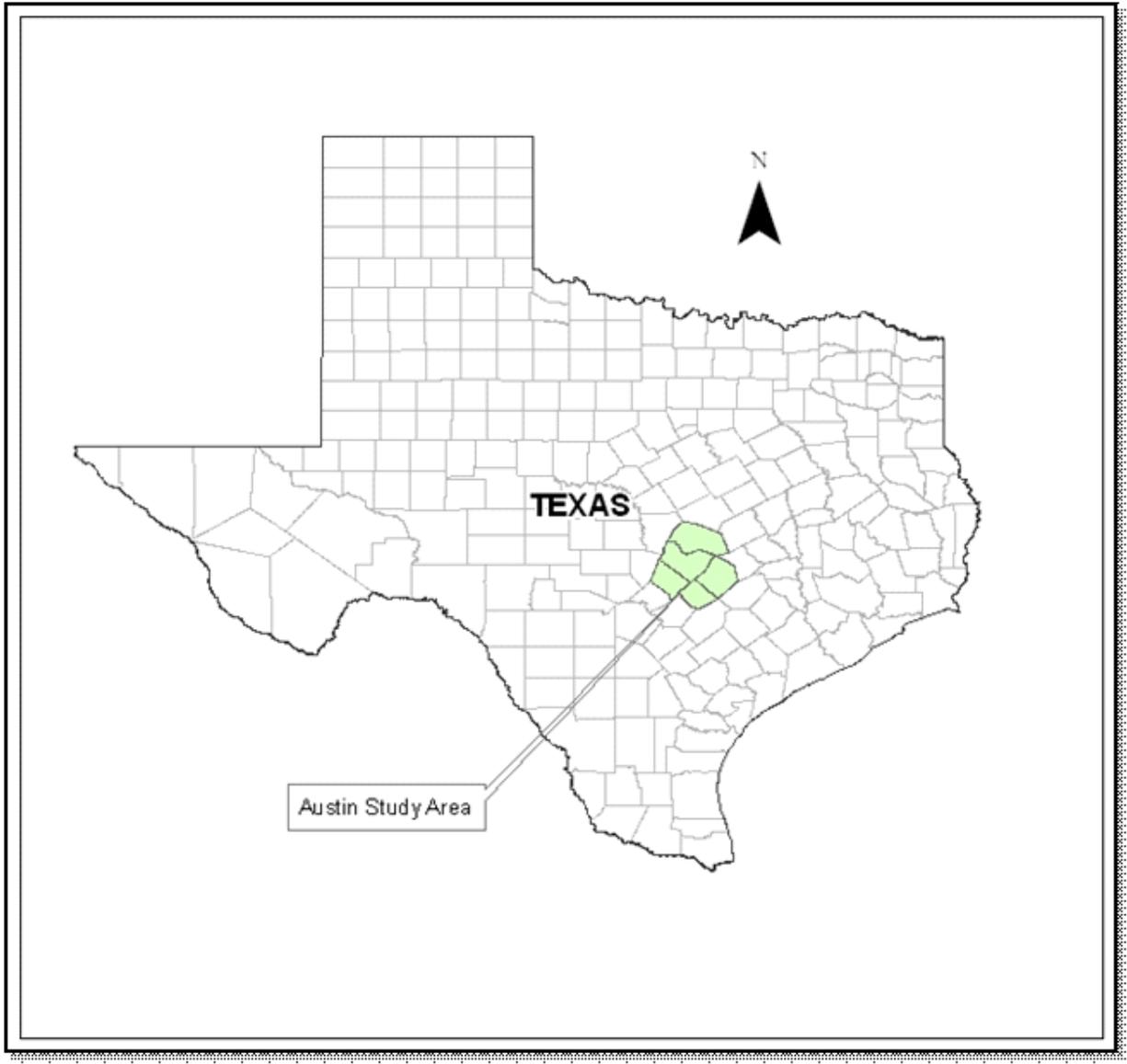
This report presents a technical summary of the 2006/2007 Austin Work Place Survey. It documents the data that were collected and presents the results of the data analysis.

## **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. While the household survey collects information on the travel characteristics of persons living in the study 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.

### **Austin Study Area**

The Austin study area covers five counties: Bastrop, Caldwell, Hays, Travis and Williamson counties, located in Central Texas. Total population of the study area based on the 2000 Census is 1.3 million, with number of households estimated at 472,000. The population during the survey period in 2006 was estimated by the Census at 1.5 million. The Texas Workforce Commission (TWC) estimates that about 34,485 work place establishments are located in the study area with a total employment of 656,153. The city of Austin is the study area's population center, with approximately 710,000 residents based on the 2006 Census. Figure 1 shows the location of Austin study area.



**Figure 1. Austin 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 System 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 provide examples of these establishments.

For travel demand modeling purposes, the study area is divided into distinct areas called traffic analysis zones (TAZs). 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 are five area types initially identified in the study area — the central business district (CBD), the central business district fringe (CBD Fringe), urban, suburban, and rural.



**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 study 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. Appendix A of this report presents the survey instruments used in the survey and Appendix B shows the data file formats.

### **Phase 1 Findings**

Based on data from the TWC, the number of establishments in Austin study area in 2004 was 7,641 Basic, 6,518 Retail and 20,326 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 where 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		Rural		Total	
	FS	N-FS	FS	N-FS	FS	N-FS	FS	N-FS	FS	N-FS	FS	N-FS
1500 +			5		3		4	1	1		13	1
1000-1499			3	1	1		2	1			6	2
500-999			4	2			2	2	1		7	4
200-499	1	2	10	6	2	2	11	2	4	4	28	16
100-199	1	2	7	5	5	2	14	5	2	3	29	17
50-99	2	3	6	6	2	7	18	13	9	4	37	33
25-49		2	6	10	6	4	22	10	10	4	44	30
10-24	1	7	6	11		4	13	10	7	7	27	39
5-9	0	0	5	2	1	1	5	4	5	4	16	11
1-4	0	0	1	3	1	3	2	5	3	3	7	14
Totals	5	16	53	46	21	23	93	53	42	29	214	167
	21		99		44		146		71		381	

**Retail Employment Establishments**

Employees	CBD		CBD-Fringe		Urban		Suburban		Rural		Total	
	FS	N-FS	FS	N-FS	FS	N-FS	FS	N-FS	FS	N-FS	FS	N-FS
1500 +		1	1								1	1
1000-1499												
500-999							2	4			2	4
200-499			11	8	2	1	9	2	4	1	26	12
100-199	1		7	9	7	4	6	6	3	3	24	22
50-99	3	2	18	17	5	4	8	10	4	1	38	34
25-49	1		20	12	9	2	20	9	9	2	59	25
10-24	0	1	21	14	5	3	16	11	6	1	48	30
5-9	1		7	5	1	3	2		4		15	8
1-4			2	2		1	4	3	1	1	7	7
Totals	6	4	87	67	29	18	67	45	31	9	220	143
	10		154		47		112		40		363	

### Service Employment Establishments

Employees	CBD		CBD-Fringe		Urban		Suburban		Rural		Total	
	FS	N-FS	FS	N-FS	FS	N-FS	FS	N-FS	FS	N-FS	FS	N-FS
1500 +	1	2	3	2							4	4
1000-1499		2	4	6				1			4	9
500-999	1	2	8	7	4	1	6	6			19	16
200-499	4	18	26	23	4	3	3	2	1	4	38	50
100-199	3	9	44	32	35	8	61	10	19	2	162	61
50-99	3	15	10	26	10	13	39	13	39		101	67
25-49		7	18	36	5	5	16	7	9	5	48	60
10-24	5	11	22	33	13	19	11	21	9	5	60	89
5-9	1	7	15	18	4	6	8	18	9	1	37	50
81-4			8	14	4	3	13	16	6	3	31	36
<b>Sub-Total</b>	<b>18</b>	<b>73</b>	<b>158</b>	<b>197</b>	<b>79</b>	<b>58</b>	<b>157</b>	<b>94</b>	<b>92</b>	<b>20</b>	<b>504</b>	<b>442</b>
<b>Total</b>	<b>91</b>		<b>355</b>		<b>137</b>		<b>251</b>		<b>112</b>		<b>946</b>	

Note that the sampling in Phase 1 was random and no effort was made to control size of the establishment or the area type where 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.

Based on data from the TWC, the estimated number of basic employees in Austin was 164,887, the number of retail employees was 134,524, and the number of service employees was 356,742. The employment at the sites that were surveyed in Phase 1 was 83,929 basic employees, 35,434 retail employees, and 140,473 service employees. This indicates the sites surveyed in Phase 1 represented approximately 51 percent of all basic employment, 26 percent of all retail employment, and 39 percent of all service employment.

## SAMPLING PLAN

The number of establishments to be surveyed had been pre-determined as 100 full survey sites and 150 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 Austin area.

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

<b>Sample Area</b>	<b>Basic</b>	<b>Retail</b>	<b>Service</b>	<b>Total</b>
1 – CBD, CBD Fringe	120	164	446	730
2 – Urban, Suburban	190	159	388	737
3 – Rural	71	40	112	223
<b>Total</b>	<b>381</b>	<b>363</b>	<b>946</b>	<b>1,690</b>

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

<b>Sample Area</b>	<b>Basic</b>	<b>Retail</b>	<b>Service</b>	<b>Total</b>
1 – CBD, CBD Fringe	2,407	2,945	2,406	14,934
2 – Urban, Suburban	3,810	2,855	8,337	15,002
3 – Rural	1,424	718	9,583	4,549
<b>Total</b>	<b>7,641</b>	<b>6,518</b>	<b>20,326</b>	<b>34,485</b>

Table 5 presents the final sampling plan for Phase 2 of the Austin work place survey. The sampling is weighted to obtain more surveys of retail and service than basic establishments. This was performed 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. Additionally, two of the full survey service establishments surveyed were the Austin Bergstrom International Airport and Southwestern University. These were considered special generators and were analyzed and discussed separately.

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

Sample Area	Basic		Retail		Service		Total	
	Full	Partial	Full	Partial	Full	Partial	Full	Partial
1 – CBD, CBD Fringe	8	12	20	15	20	35	48	62
2 – Urban, Suburban	8	13	15	10	15	25	38	48
3 – Rural	4	5	5	5	5	30	14	40
<b>Total</b>	<b>20</b>	<b>30</b>	<b>40</b>	<b>30</b>	<b>40</b>	<b>90</b>	<b>100</b>	<b>150</b>

Table 6 presents the distribution of sites surveyed. During the course of the survey, problems were encountered by the vendor and the amount of funding allocated for the survey. As a result, the survey was terminated and the number of sites surveyed was less than that scheduled in the sampling plan. A review of the data revealed a number of sites had been incorrectly designated by employment type. The actual data files contained a number of sites that had been classified as “Other” and when translated into three types used for analysis purposes, had been incorrectly classified. One notable change that occurred after the survey was initiated was the desire to have attraction rates developed for education establishments.

Note in Table 6 that the employment type “Education” has been included. After the surveys were initiated, the decision was made to develop trip production rates for education, pre-kindergarten through 12th grade. This created the necessity to develop corresponding attraction rates for education employment. Since this was not considered in the work place survey design, the sampling plan did not specify the number of education establishments to be surveyed and as a result, only a limited number was surveyed. These are the reasons the final distribution of surveyed sites do not match the sampling plan.

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

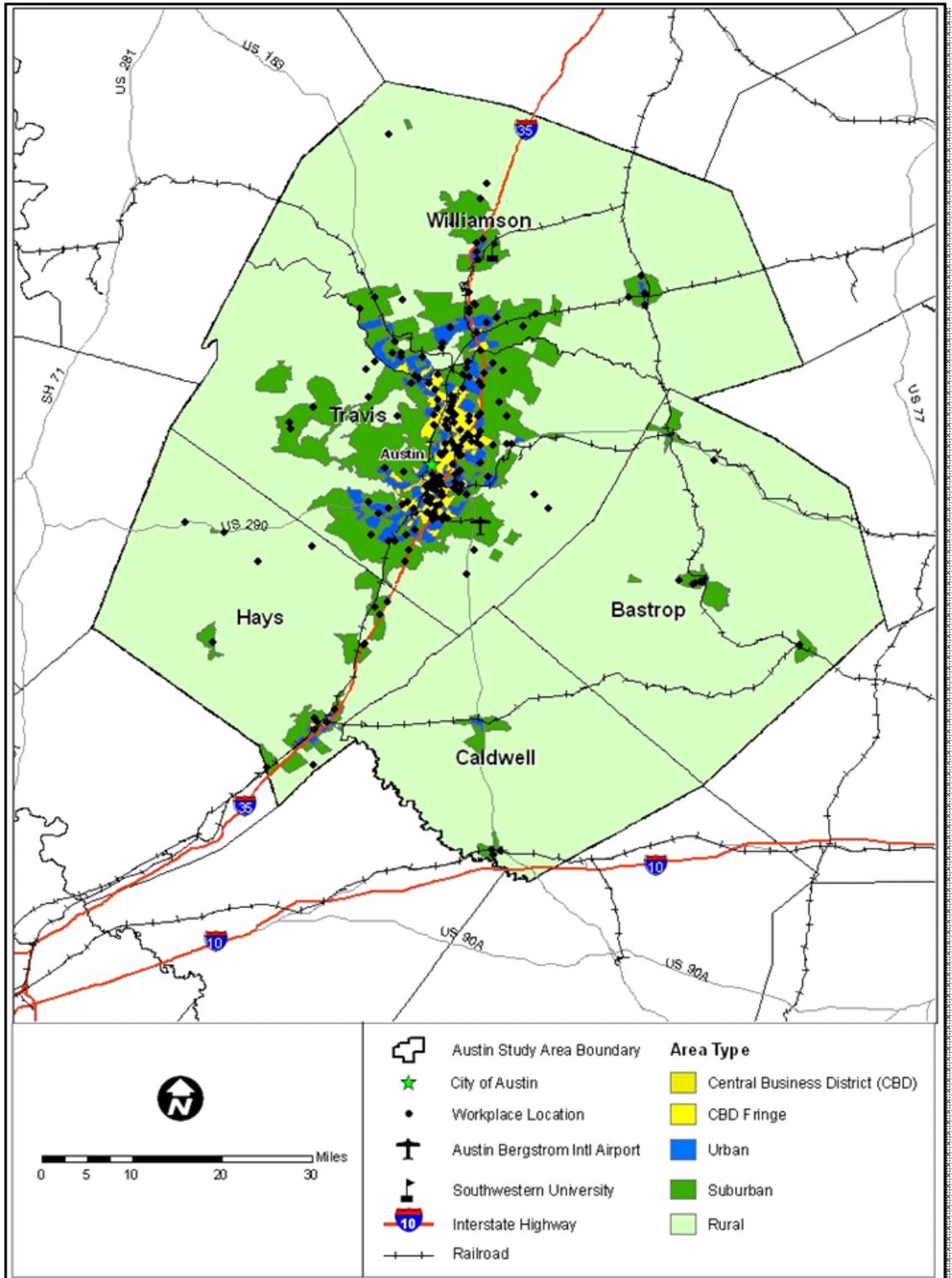
Sample Area	Basic		Retail		Service		Education		Total	
	Full	Partial								
1 – CBD	1	2	1	0	4	3	1	0	7	5
2 – CBD Fringe	6	12	10	15	15	18	1	7	32	52
3 – Urban	0	2	3	6	2	3	0	0	5	11
4 – Suburban	7	10	9	9	8	8	0	6	24	33
5 – Rural	4	6	3	3	4	17	1	3	12	29
<b>Total</b>	<b>18</b>	<b>32</b>	<b>26</b>	<b>33</b>	<b>33</b>	<b>49</b>	<b>3</b>	<b>16</b>	<b>80</b>	<b>130</b>

**Sampling Results**

Figure 4 shows the locations of the establishments that participated in the work place survey. A total of 80 establishments had complete full surveys. The majority of these were services and retail establishments. A total of 805 employees and 2,325 visitors (i.e., non-employees) were surveyed. The employment at the sites that were surveyed totaled 14,134 where 83 percent (11,764) were at work on the day of the survey. The sampling rate for the employees at the sites surveyed was approximately 7 percent.

Table 7 provides the breakdown of the number of sites, surveyed employees, surveyed visitors, total employment, and employees at work by area type and employment types for full surveyed establishments.

Table 8 shows the number of sites, total employment, and employees at work by area type and employment types for partial surveyed establishments. There were 130 sites where a partial survey was conducted. The employment at those sites totaled 20,422 where 83 percent (16,980) were at work on the day of the survey.



**Figure 4. Austin Study Area Work Place Locations.**

**Table 7. Full Survey Establishments.**

Sample Area	Item	Employment Type				Total
		Basic	Retail	Services	Education	
CBD	Number of Sites	1	1	4	1	7
	Surveyed Employees	15	2	64	1	82
	Surveyed Visitors	14	59	73	73	219
	Total Employment	200	8	3,525	20	3,753
	Employees at Work	126	4	3,233	16	3,379
CBD Fringe	Number of Sites	6	10	15	1	32
	Surveyed Employees	135	43	155	19	352
	Surveyed Visitors	108	582	211	6	907
	Total Employment	1,892	490	3,874	413	6,669
	Employees at Work	1,552	341	3,520	390	5,803
Urban	Number of Sites		3	2		5
	Surveyed Employees		7	17		24
	Surveyed Visitors		158	7		165
	Total Employment		262	559		821
	Employees at Work		195	306		501
Suburban	Number of Sites	7	9	8		24
	Surveyed Employees	50	24	163		237
	Surveyed Visitors	12	473	203		688
	Total Employment	558	304	1,156		2,018
	Employees at Work	265	181	962		1,408
Rural	Number of Sites	4	3	4	1	12
	Surveyed Employees	43	14	37	16	110
	Surveyed Visitors	10	215	57	64	346
	Total Employment	489	170	134	80	873
	Employees at Work	423	123	47	80	673
<b>Total</b>	<b>Number of Sites</b>	<b>18</b>	<b>26</b>	<b>33</b>	<b>3</b>	<b>80</b>
	<b>Surveyed Employees</b>	<b>243</b>	<b>90</b>	<b>436</b>	<b>36</b>	<b>805</b>
	<b>Surveyed Visitors</b>	<b>144</b>	<b>1,487</b>	<b>551</b>	<b>143</b>	<b>2,325</b>
	<b>Total Employment</b>	<b>3,139</b>	<b>1,234</b>	<b>9,248</b>	<b>513</b>	<b>14,134</b>
	<b>Employees at Work</b>	<b>2,366</b>	<b>844</b>	<b>8,068</b>	<b>486</b>	<b>11,764</b>

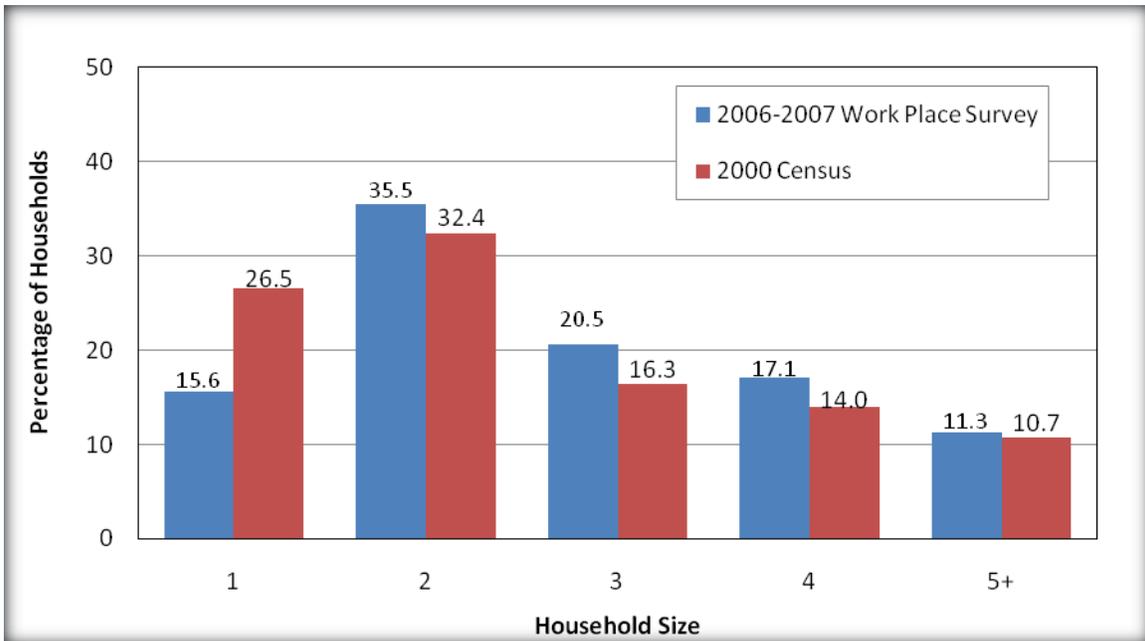
**Table 8. Partial Survey Establishments.**

Sample Area	Item	Employment Type				Total
		Basic	Retail	Services	Education	
CBD	Number of Sites	2		3		5
	Total Employment	110		187		297
	Employees at Work	110		173		283
CBD Fringe	Number of Sites	12	15	18	7	52
	Total Employment	7,167	870	1,426	506	9,969
	Employees at Work	5,969	549	1,033	439	7,990
Urban	Number of Sites	2	6	3		11
	Total Employment	65	256	93		414
	Employees at Work	59	177	84		320
Suburban	Number of Sites	10	9	8	6	33
	Total Employment	3,750	981	201	640	5,572
	Employees at Work	3,308	628	146	609	4,691
Rural	Number of Sites	6	3	17	3	29
	Total Employment	3,221	118	568	263	4,170
	Employees at Work	2,899	67	467	263	3,696
<b>Total</b>	<b>Number of Sites</b>	<b>32</b>	<b>33</b>	<b>49</b>	<b>16</b>	<b>130</b>
	<b>Total Employment</b>	<b>14,313</b>	<b>2,225</b>	<b>2,475</b>	<b>1,409</b>	<b>20,422</b>
	<b>Employees at Work</b>	<b>12,345</b>	<b>1,421</b>	<b>1,903</b>	<b>1,311</b>	<b>16,980</b>

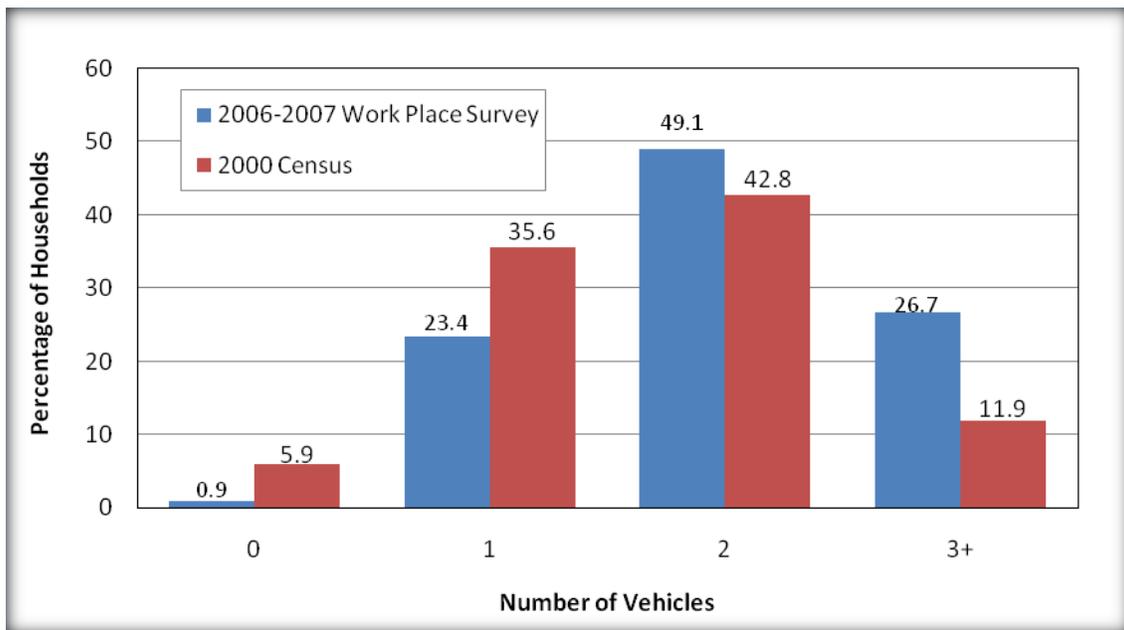
The Austin study area work place survey included questions concerning the household size, income, and vehicles available. These data provide a profile of the persons that participated in the survey and how they relate to data from the 2000 Census. Figure 5 presents the distribution of persons surveyed by their household size compared to that reported in the 2000 Census for Austin study area. Figures 6 and 7 respectively present the distribution of persons by vehicles available and by household income.

The households represented by survey participants were larger in size than the population in Austin study area. The participants in the survey typically came from households with two or more vehicles. Also, the participants in the survey came from households with generally higher incomes, above the \$50,000 income range. Households with incomes below \$20,000 were under

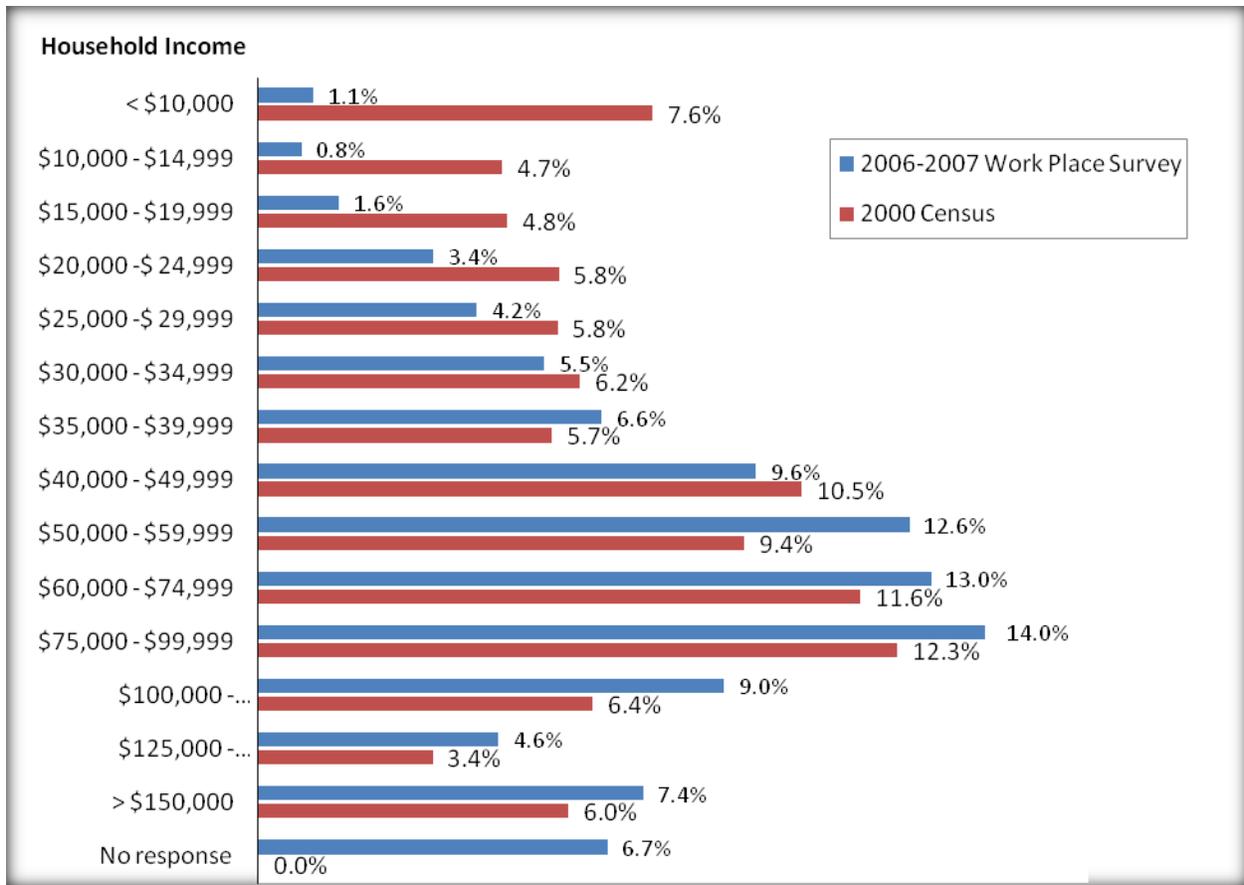
represented in the survey. The distribution of households above \$30,000 matched fairly well with that reported in the 2000 Census.



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

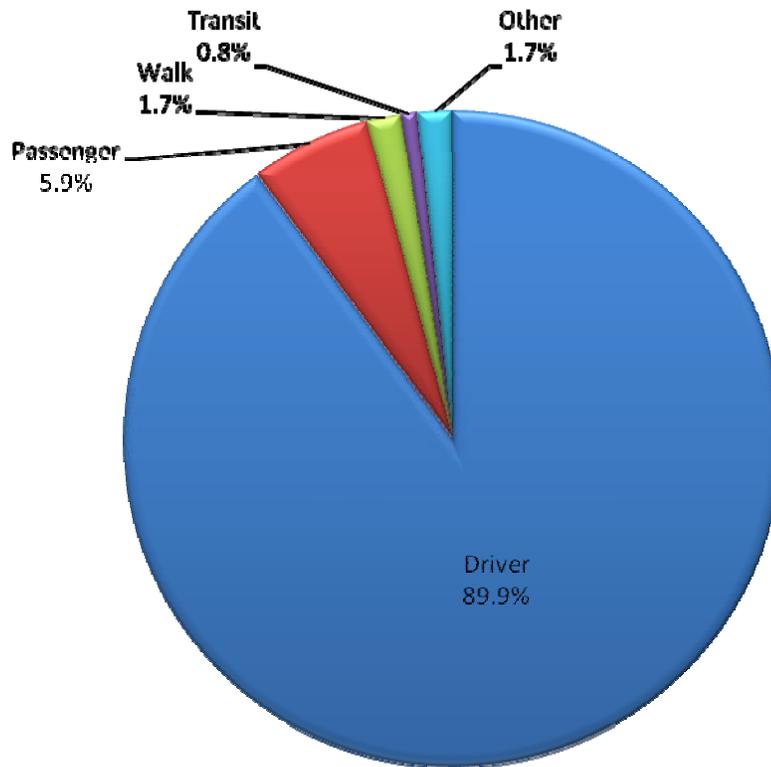


**Figure 6. Distribution of Surveyed Employees and Visitors by Vehicles Available.**



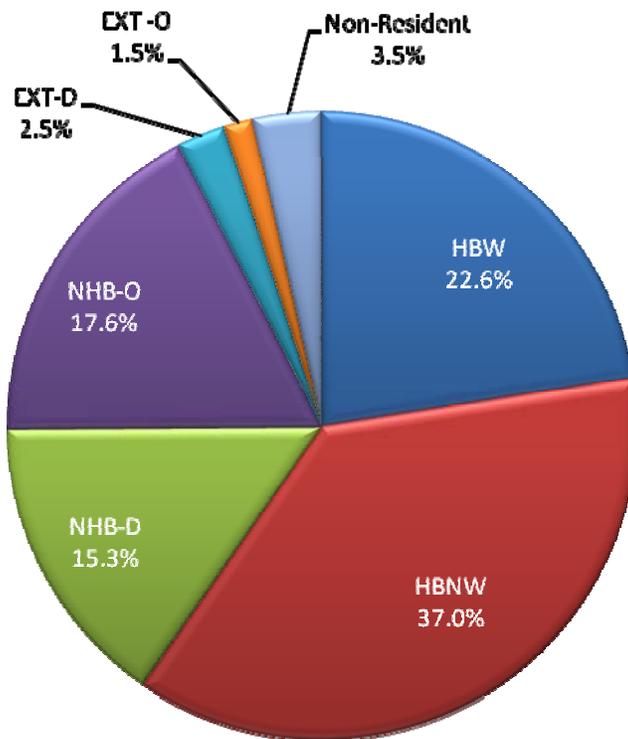
**Figure 7. Distribution of Surveyed Employees and Visitors by Household Income.**

Figure 8 shows the distribution of reported trips by employees and visitors 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. Other modes of travel included bicycle, motorcycle, school bus, taxi, and commercial vehicles. Note that these are just the observations in the data and do not represent expanded results.



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

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 (EXT-D), external origins (EXT-O), 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). 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.



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

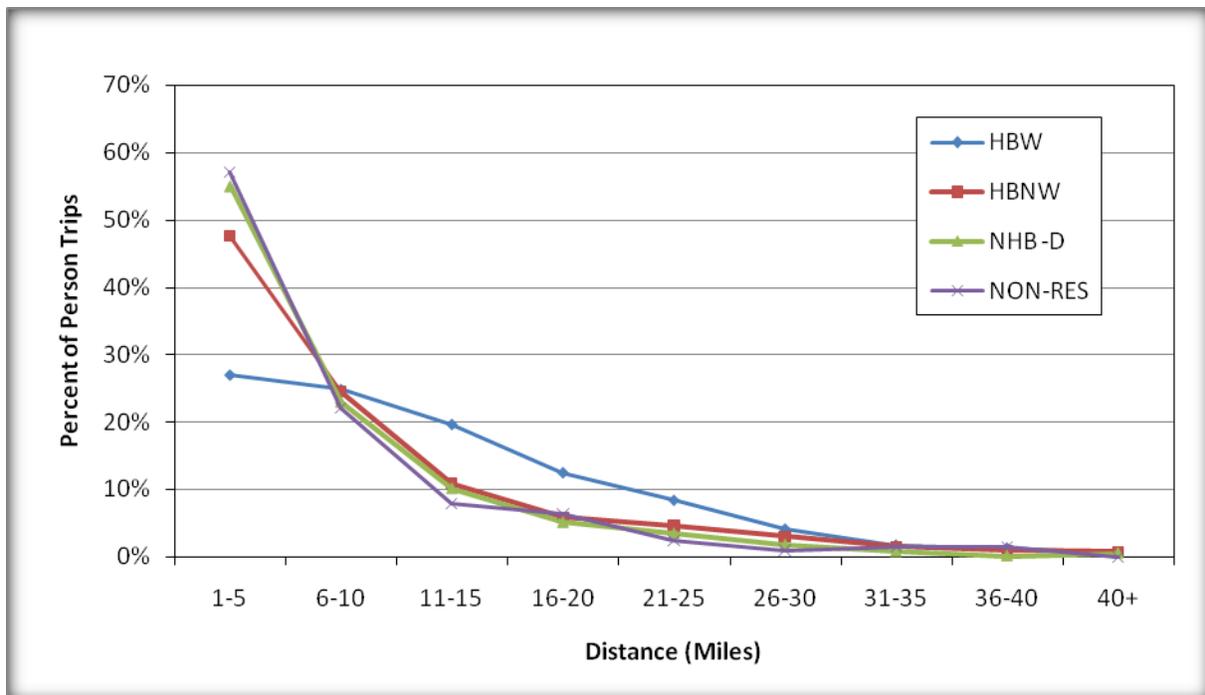
Since the data were geocoded to the TAZs, the transportation network was used to add the travel distance to the surveyed trip records. These data were then processed to compute the average trip length in travel distance as well as the trip length frequency distributions for person and vehicle trips by trip purpose. Table 9 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

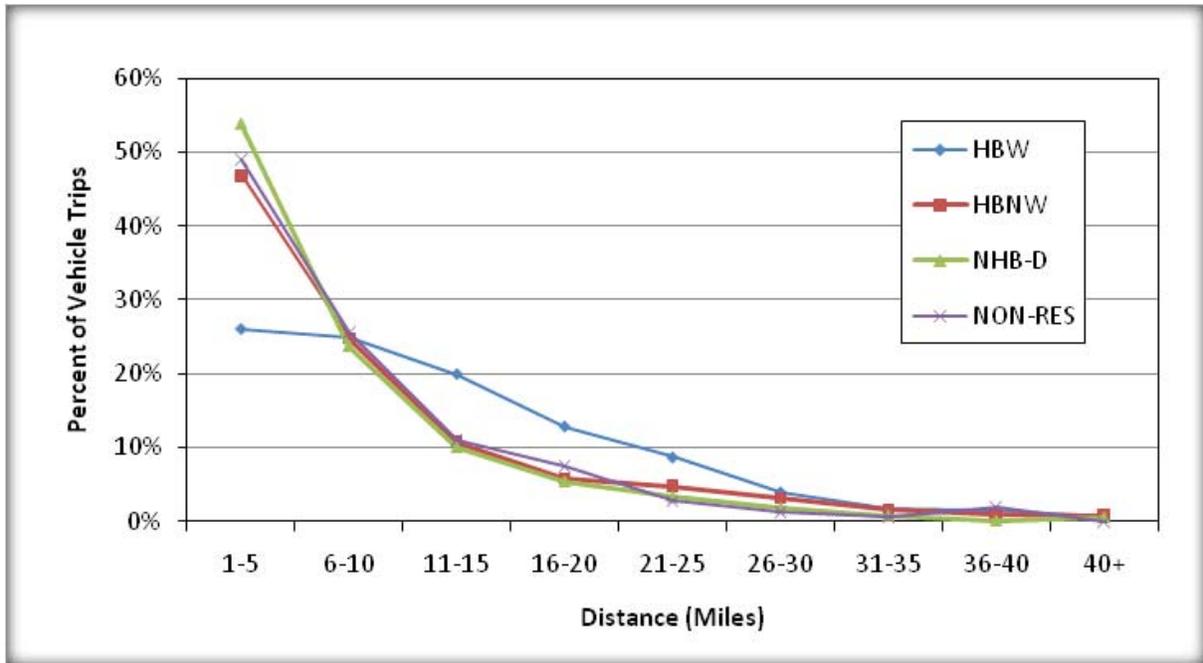
shorter distances and travel times while HBW trips are longer trips. For informational purposes, the average trip lengths were also computed for non-resident internal trips. Table 9 also shows these values. For the most part, these trips have about the same average trip lengths as NHB trips.

**Table 9. Average Trip Length by Trip Purpose.**

Trip Purpose/Type	Person Trips		Vehicle Trips	
	Observations	Miles	Observations	Miles
HBW	1,170	11.9	1,097	12.1
HBNW	2,468	9.0	2,319	9.1
NHB Destinations	896	7.3	811	7.4
Non-Resident	203	7.0	145	7.8

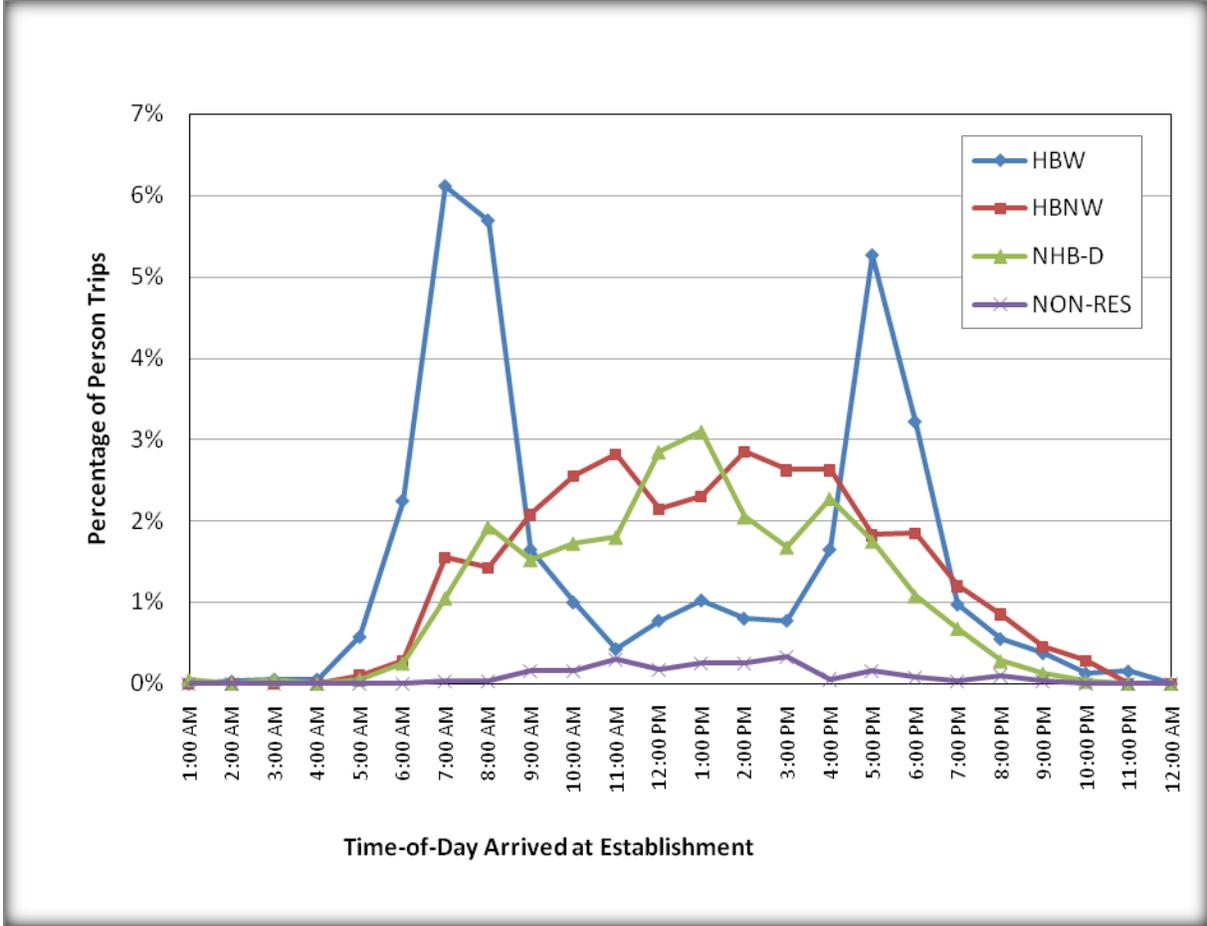


**Figure 10. Survey Person Trip Length Frequency Distributions.**



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

Trips by trip purpose typically have distinct characteristics by time of day that is 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 Austin study 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 morning peak is between 7 a.m. and 8 a.m., and the afternoon peak is at 5 p.m. 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.



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

## **COMMERCIAL VEHICLE SURVEY**

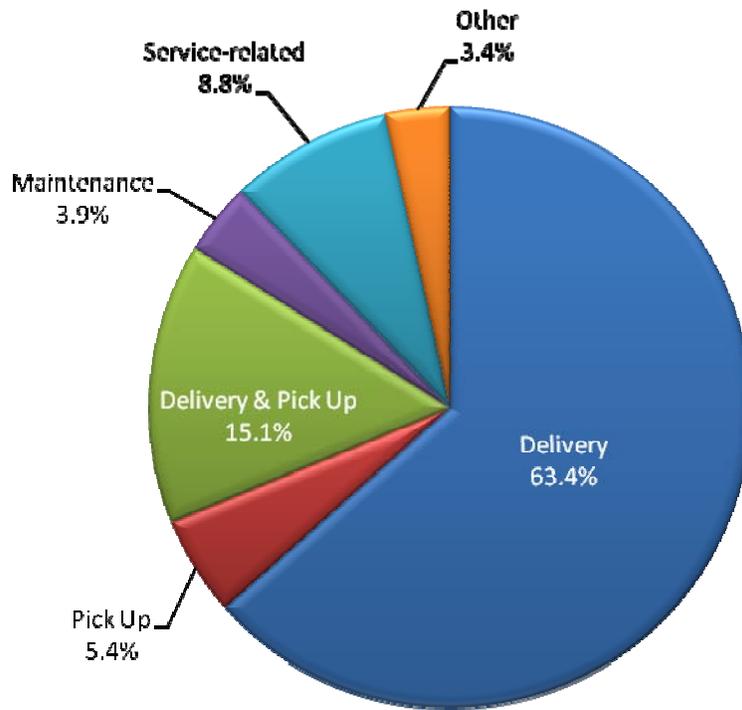
In addition to the employee and visitor surveys, counts and surveys of commercial vehicles at the work places were also conducted. These provide information on the commercial vehicles attracted to the establishments, their travel patterns, the types of cargo being delivered or picked up, their trip purpose and their origin and destination locations.

The commercial vehicle count at all surveyed work places was 6,511 cargo vehicles and 6,382 service vehicles. Commercial vehicles were surveyed at 48 work places. The number of vehicles surveyed was 205 (172 cargo vehicles and 33 service vehicles). Data were collected on each vehicle trip to the site and where the vehicle was going after it left the site. Of the 205 trips to the site, 7 (3 percent) began at a location outside of the study area and were classified as external destinations. None of the external destinations came from Mexico. Of the 205 trips from the surveyed sites, 12 (6 percent) were destined to a location out of the study area and classified as external origins. None of the trips were destined to Mexico.

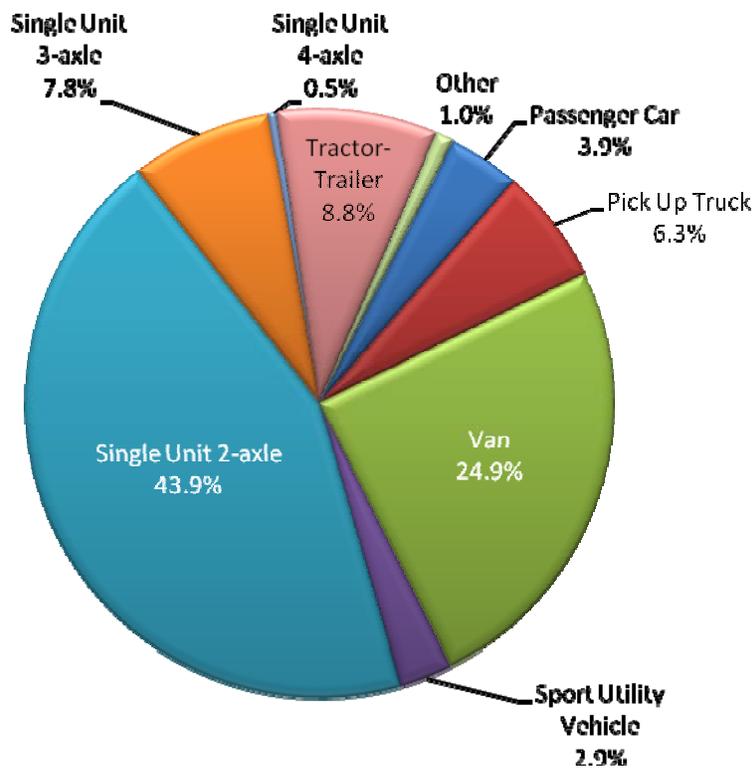
Commercial vehicle drivers were also asked where their travel originated and ultimately destined. The majority of vehicles (193 vehicles) originated in the study area and 198 vehicles were destined to locations in the study area. There were 12 vehicles that originated outside of the study area and 7 vehicles destined outside of the study area.

Figure 13 shows the distribution of surveyed commercial vehicles by trip purpose at the site. The majority of vehicles, 130 (63 percent), traveled to a site to make a delivery while 31 (15 percent) were making a delivery and pick up of cargo. For vehicles that originated in the study area, 63 percent were making a delivery and 15 percent were making a delivery and pick up of cargo. For vehicles leaving the establishment, 47 percent were going to make a delivery, 15 percent were going to pick up cargo, and 15 percent were returning to their base location.

Figure 14 shows the distribution of surveyed vehicles by vehicle classification. Nearly half of the vehicles surveyed were a single unit two-axle vehicle, and 25 percent were vans.



**Figure 13. Distribution of All Commercial Vehicles by Purpose at Establishments.**



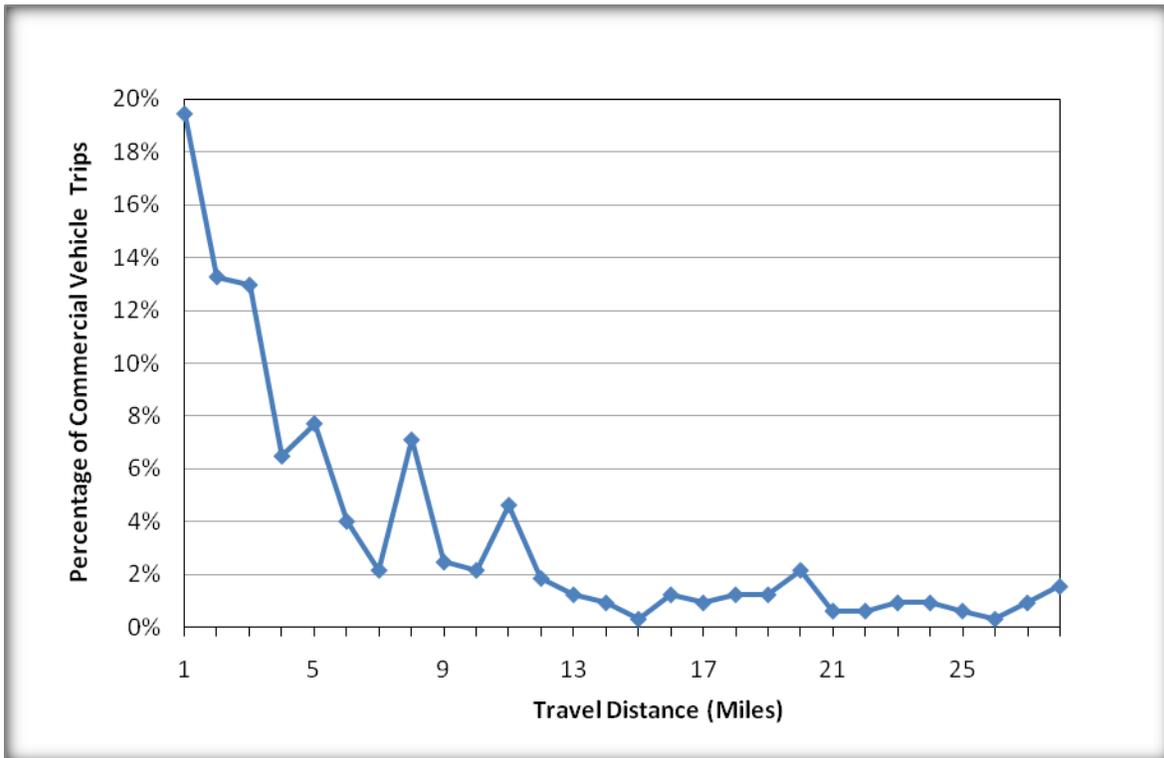
**Figure 14. Distribution of Commercial Vehicles by Type of Vehicle.**

Table 10 shows the distribution of surveyed vehicles by vehicle class and type of cargo being transported. Approximately 33 percent of the vehicles were transporting miscellaneous shipments and 25 percent reported carrying manufactured goods and equipment. Cargos of food, health, and beauty products were the next most frequently reported.

**Table 10. Distribution of Commercial Vehicles by Type of Cargo.**

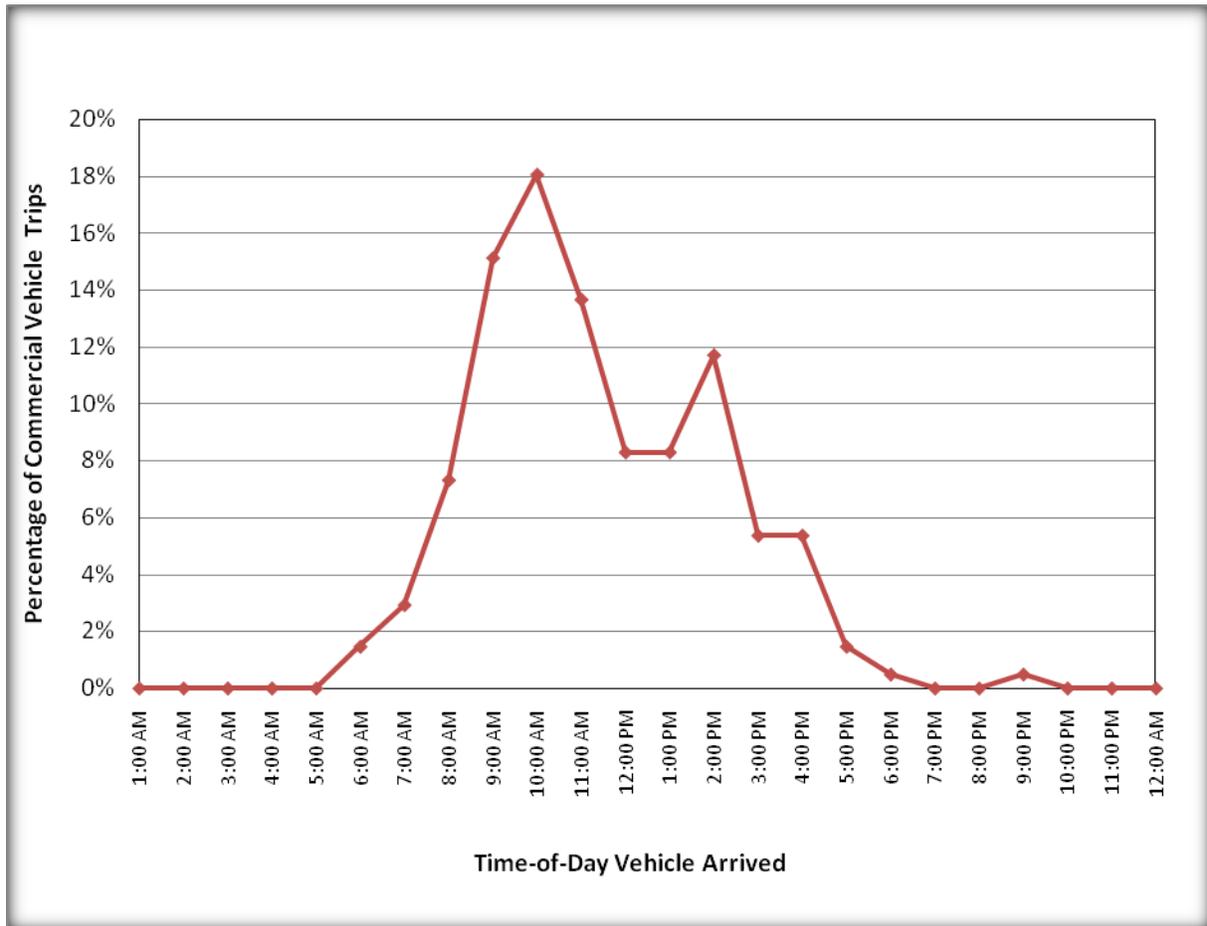
<b>Cargo</b>	<b>Other</b>	<b>Single Unit 2-Axle</b>	<b>Single Unit 3-Axle</b>	<b>Single Unit 4-Axle</b>	<b>Tractor Trailer</b>	<b>Total</b>
Farm Products	2	1				3
Forest Products						
Marine Products						
Metals and Minerals		4				4
Food, Health, and Beauty Products	8	18	1	3		30
Tobacco Products						
Textiles		2				2
Wood Products	1	7				8
Printed Matter	1			1		2
Chemical Products		1	1			2
Refined Petroleum or Coal Products		1				1
Rubber, Plastic, and Styrofoam Products						
Clay, Concrete, Glass, or Stone						
Manufactured Goods/Equipment	11	21	10	9		51
Wastes						
Miscellaneous Shipments	28	33	2	1	3	67
Hazardous Materials				1		
Transportation						
Unclassified Cargo						
Unknown to Driver	29	2	2	1		34
Empty						
<b>Total</b>	<b>80</b>	<b>90</b>	<b>16</b>	<b>16</b>	<b>3</b>	<b>205</b>

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 7 miles. Figure 15 presents the trip length frequency distributions for commercial vehicles in travel distance.



**Figure 15. Commercial Vehicle Trip Length Frequency Distribution for Distance.**

Figure 16 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. Distribution of Commercial Vehicles by Time of Arrival.**

## **SPECIAL GENERATORS**

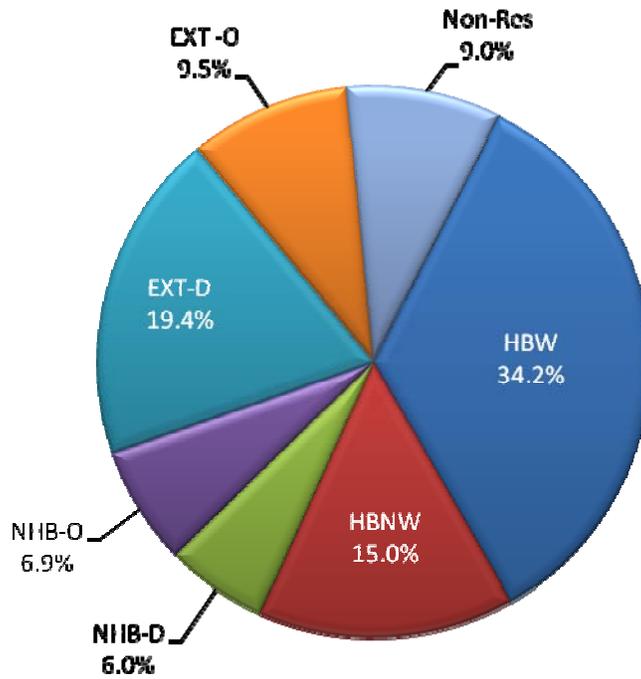
Two of the work places surveyed were treated as special generators. These were the Austin Bergstrom International Airport and Southwestern University. Special generators are those types of development that are considered unique and subject to modeling outside the typical modeling framework. The following sections summarize the survey data for these two sites.

### **Austin Bergstrom International Airport**

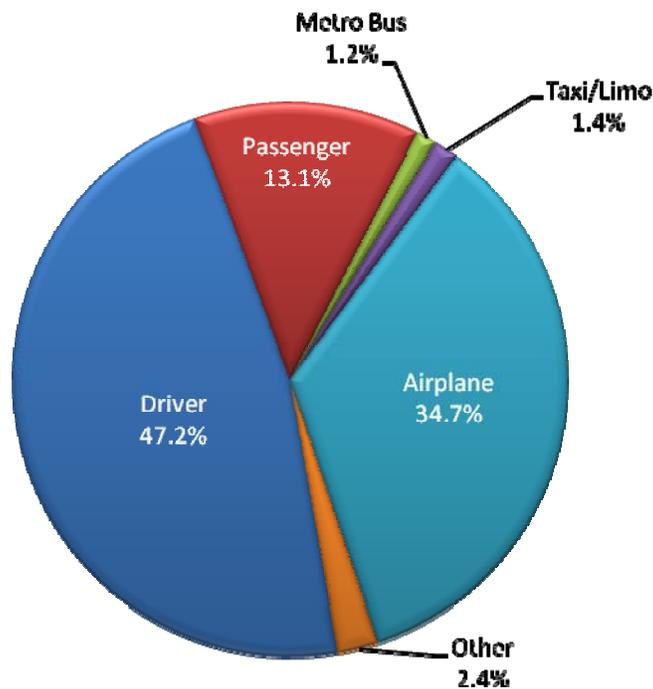
The Austin Bergstrom International Airport was surveyed as a special generator due to its uniqueness as a transportation generator and the impact it has on the community in terms of transportation. Total employment reported at the site (this includes all businesses located on the airport property) was 4,100 with 3,054 employees at work on the day of the survey. The number of employees that participated in the survey was 157. The number of visitors surveyed at the airport was 251. The number of commercial vehicles counted was 842 for cargo vehicles and 4,558 for service vehicles. There were 1,491 shuttle vans at the airport. The surveyed employees reported 319 trip ends at the airport and the visitors reported 502.

Figure 17 presents the distribution of surveyed trips by trip purpose. Nearly half of the trips were home-based (34 percent work-related and 15 percent non-work). Approximately 29 percent of the trips were external and 9 percent were non-resident travel. The reported mode of travel for the majority of surveyed airport employees was as a driver of a vehicle. For surveyed visitors, approximately 47 percent reported their mode of travel as a driver of a vehicle and 35 percent reported their mode of departure as airplane. Figure 18 presents the reported modes of travel for surveyed airport visitors.

Visitors that reported their mode of departure was plane were also asked their destination. The responses were varied with the most frequent destinations being in Texas. However, the reported destinations included cities in 10 different states and two foreign countries.



**Figure 17. Surveyed Trips by Trip Purpose at Austin Bergstrom International Airport.**



**Figure 18. Surveyed Visitor Trips by Mode at Austin Bergstrom International Airport.**

The internal survey trips were geocoded for both employees and visitors to the TAZs in the Austin study area. The data were processed and average trip length computed for travel distance by trip purpose. It is recognized that 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 for the airport trips.

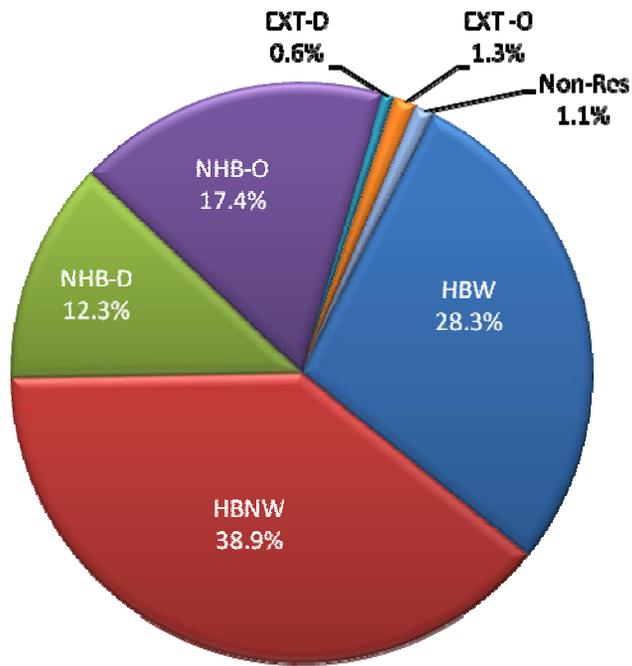
**Table 11. Average Trip Lengths for Surveyed Trips to Austin Bergstrom International Airport.**

Trip Purpose/Type	Person Trips	Vehicle Trips
	Miles	Miles
HBW	15.9	16.1
HBNW	24.1	24.4
NHB-D	14.4	14.2
Non-Residents	21.0	20.9

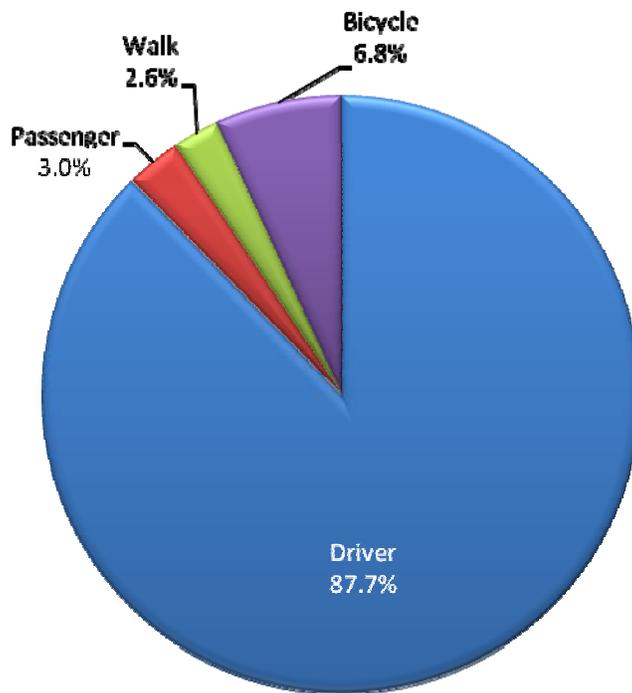
### **Southwestern University**

Southwestern University was also surveyed because of its impact on the Austin study area in terms of trip generation. Total employment reported at the site was 400 and 350 were reported to be at work on the day of the survey. There were 88 employees who participated in the survey and 108 visitors were surveyed. Total vehicles counted at the site were 3,279, and total person count was 3,582. Six commercial vehicles were counted at the site. The surveyed employees reported 254 trips and 216 trips were recorded for the visitors at the site.

Figure 19 presents the distribution of surveyed trips by trip purpose. Approximately 67 percent were home-based trips (28 percent work-related and 39 percent non-work). Roughly 30 percent of the trips were not home-based and only 2 percent were external trips. The majority of the survey participants reported their mode of travel as a driver of a vehicle. Figure 20 shows the distribution of trips by mode of travel at the site.



**Figure 19. Distribution of Surveyed Trips by Trip Purpose at Southwestern University.**



**Figure 20. Distribution of Surveyed Trips by Mode of Travel at Southwestern University.**

The internal survey trips were geocoded for both employees and visitors to the TAZs in the Austin 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 12 shows the average trip lengths found for trips to Southwestern University.

**Table 12. Average Trip Lengths for Surveyed Trips to Southwestern University.**

Trip Purpose/Type	Person Trips	Vehicle Trips
	Miles	Miles
HBW	7.9	8.0
HBNW	7.5	8.0
NHB-D	6.3	6.3
Non-Residents	-	-

### **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. 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, EXT-D, EXT-O, 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, EXT-D, EXT-O, 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 were 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.
16. Rates for residential land uses were estimated using total attractions computed from the household survey to residential land uses by trip purpose divided by the total number of households in the study area. These rates are assumed to be the same for each area type.
17. Commercial vehicle rates for residential land uses were estimated by first estimating the commercial vehicle trips using the commercial vehicle rates from the work place survey. Rates for cells with no observations were estimated by summing the commercial vehicle counts and total employment for surveyed establishments in each employment type over all area types. Data from the commercial vehicle survey indicated that 9.5 percent of all commercial vehicle trips were destined for residential land uses. The total commercial vehicle trips computed from applying the commercial vehicle rates to the total employment were assumed to represent 90.5 percent of all commercial vehicle trips. This was used to estimate the total number of commercial vehicle trips destined for residential land uses. These were divided by the total number of households and assumed to be the same for each area type.

Tables 13 and 14 present the results of data expansion and rate estimation for HBW, HBNW, NHB-D, NHB-O, EXT-D, EXT-O, and non-resident trips for person and auto driver trips by area type. Table 15 presents the rates for commercial vehicles. Table 16 shows the expanded survey results for the two special generators, Austin Bergstrom International Airport and Southwestern University.

**Table 13. Raw Person Trip Rates.**

Trip Purpose	Estimate	Person Trips				
		Per Basic Employee	Per Retail Employee	Per Service Employee	Per Education Employee	Per Household
HBW Attractions	CBD	0.81	1.29	1.23	1.60	0.07
	CBD Fringe	1.20	1.08	1.34	1.47	0.07
	Urban	1.36	1.44	0.77	*	0.07
	Suburban	1.24	0.96	1.25	1.45	0.07
	Rural	1.29	1.04	1.17	1.50	0.07
HBNW Retail	CBD		10.15			
	CBD Fringe		20.77			
	Urban		16.37			
	Suburban		18.25			
	Rural		23.11			
HBNW Other Attractions	CBD	2.18		0.99		0.45
	CBD Fringe	0.25		1.64		0.45
	Urban	3.72		0.64		0.45
	Suburban	0.51		4.02		0.45
	Rural	0.12		4.52		0.45
HBNW School Attractions	CBD				20.73	
	CBD Fringe				13.41	
	Urban				*	
	Suburban				16.14	
	Rural				18.59	
NHB-D	CBD	0.90	4.70	0.85	8.53	0.28
	CBD Fringe	0.39	5.49	0.76	3.17	0.28
	Urban	1.73	4.38	0.57	*	0.28
	Suburban	0.56	4.78	1.13	3.74	0.28
	Rural	0.31	4.58	1.74	1.06	0.28
NHB-O	CBD	2.19	5.88	1.05	6.34	0.28
	CBD Fringe	0.59	4.74	1.08	3.46	0.28
	Urban	2.49	5.03	0.71	*	0.28
	Suburban	0.64	4.99	1.66	4.05	0.28
	Rural	0.54	3.11	2.72	3.34	0.28
EXT-D	CBD	0.59	2.14	0.07	0.00	
	CBD Fringe	0.06	0.32	0.27	0.02	
	Urban	0.84	0.28	0.07	*	
	Suburban	0.06	1.03	0.60	0.02	
	Rural	0.08	0.22	0.30	0.00	
EXT-O	CBD	0.40	0.53	0.04	0.00	
	CBD Fringe	0.03	0.21	0.12	0.02	
	Urban	0.39	0.37	0.07	*	
	Suburban	0.00	0.77	0.44	0.02	
	Rural	0.06	0.07	0.08	0.00	
Non-Resident	CBD	0.20	24.03	0.19	0.00	
	CBD Fringe	0.08	1.38	0.23	0.04	
	Urban	0.59	1.86	0.08	*	
	Suburban	0.24	1.20	0.32	0.04	
	Rural	0.06	0.44	0.29	0.00	

\* No observation.

**Table 14. Raw Auto Driver Trip Rates.**

Trip Purpose	Estimate	Auto Driver Trips				
		Per Basic Employee	Per Retail Employee	Per Service Employee	Per Education Employee	Per Household
HBW Attractions	CBD	0.61	1.29	0.96	1.60	0.06
	CBD Fringe	1.16	1.07	1.26	1.43	0.06
	Urban	1.29	1.23	0.77	*	0.06
	Suburban	1.17	0.92	1.22	1.40	0.06
	Rural	1.23	1.04	1.13	1.50	0.06
HBNW Retail	CBD		8.55			
	CBD Fringe		20.21			
	Urban		15.90			
	Suburban		18.25			
	Rural		23.11			
HBNW Other Attractions	CBD	1.78		0.95		0.26
	CBD Fringe	0.25		1.62		0.26
	Urban	3.66		0.64		0.26
	Suburban	0.51		3.96		0.26
	Rural	0.12		4.52		0.26
HBNW School Attractions	CBD				20.73	
	CBD Fringe				13.41	
	Urban				*	
	Suburban				16.14	
	Rural				18.59	
NHB-D	CBD	0.75	3.64	0.65	8.53	0.26
	CBD Fringe	0.36	5.37	0.67	3.16	0.26
	Urban	1.56	4.19	0.57	*	0.26
	Suburban	0.52	4.75	1.11	3.72	0.26
	Rural	0.31	4.54	1.64	1.06	0.26
NHB-O	CBD	1.84	5.34	0.80	6.34	0.26
	CBD Fringe	0.56	4.47	0.99	3.44	0.26
	Urban	2.33	4.74	0.71	*	0.26
	Suburban	0.61	4.96	1.63	4.02	0.26
	Rural	0.54	3.06	2.60	3.34	0.26
EXT-D	CBD	0.59	2.14	0.06	0.00	
	CBD Fringe	0.06	0.32	0.26	0.02	
	Urban	0.84	0.28	0.07	*	
	Suburban	0.06	1.03	0.56	0.02	
	Rural	0.08	0.22	0.30	0.00	
EXT-O	CBD	0.40	0.53	0.04	0.00	
	CBD Fringe	0.03	0.21	0.12	0.02	
	Urban	0.39	0.37	0.07	*	
	Suburban	0.00	0.77	0.41	0.02	
	Rural	0.06	0.07	0.08	0.00	
Non-Resident	CBD	0.20	17.63	0.17	0.00	
	CBD Fringe	0.05	1.21	0.22	0.04	
	Urban	0.59	1.49	0.08	*	
	Suburban	0.24	1.12	0.32	0.04	
	Rural	0.04	0.44	0.29	0.03	

\* No observation.

**Table 15. Raw Commercial Vehicle Attraction Rates.**

Area Type	Person Trips				
	Per Basic Employee	Per Retail Employee	Per Service Employee	Per Education Employee	Per Household
CBD	0.50	0.92	0.25	0.20	0.08
CBD Fringe	0.23	0.60	0.33	0.92	0.08
Urban	0.33	0.91	0.17	*	0.08
Suburban	0.51	0.67	0.23	0.65	0.08
Rural	0.31	0.92	0.50	0.48	0.08

\* No observation.

**Table 16. Travel Estimates for the Special Generators.**

Trip Purpose/Type	Austin Bergstrom International Airport				Southwestern University			
	Vehicle Trips	Vehicle Trip Rate	Person Trips	Person Trip Rate	Vehicle Trips	Vehicle Trip Rate	Person Trips	Person Trip Rate
HBW	6,495	1.58	6,576	1.60	501	1.25	529	1.32
HBNW	10,446	2.55	17,804	4.34	3,891	9.73	5,267	13.17
NHB-D	2,843	0.69	3,288	0.80	513	1.28	548	1.37
NHB-O	2,843	0.69	3,288	0.80	513	1.28	548	1.37
EXT-D	2,728	0.67	4,960	1.21	116	0.29	139	0.35
EXT-O	2,728	0.67	4,960	1.21	116	0.29	139	0.35
Internal Non-Resident Trips	4,823	1.18	8,086	1.97	118	0.30	162	0.40
Commercial Vehicle Trips	1,627	0.40	1,627	0.40	7	0.02	7	0.02
<b>Total</b>	<b>34,532</b>	<b>8.42</b>	<b>50,590</b>	<b>12.34</b>	<b>5,776</b>	<b>14.44</b>	<b>7,339</b>	<b>18.35</b>

## 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 13 through 16 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. Note that data were not available in some area types. Rates must be developed for these missing data. 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 13 through 16 were applied to estimates of employment for the Austin study area. Table 17 shows the employment estimates for Austin study area. These estimates were obtained from the CAMPO zonal demographic data.

**Table 17. Employment Estimates for Austin Study Area.**

Area Type	Employment Type			
	Basic	Retail	Service	Education
CBD	4,321	7,666	50,105	4,568
CBD Fringe	85,263	57,812	153,845	28,840
Urban	28,074	30,994	46,148	10,059
Suburban	47,714	34,512	50,049	13,205
Rural	16,772	7,386	13,342	3,979
<b>Total</b>	<b>182,144</b>	<b>138,370</b>	<b>313,489</b>	<b>60,651</b>

Estimates of trips by trip purpose were developed by multiplying the trip rates shown in Tables 13 through 16 by the employment estimates shown in Table 17 and by the number of households by area type. Cells where no establishments were surveyed were estimated by using the rates for the adjacent cell within the same employment type. These estimates are shown in Table 18 with the estimates from the Austin study area household survey, external station survey, and commercial vehicle survey. Note that these are raw unadjusted estimates for the work place survey.

**Table 18. Raw Unadjusted Travel Estimates for Austin Study Area.**

Trip Purpose/Type	Work Place Survey		Household Survey <sup>1</sup>		External Station Survey		Commercial Vehicle
	Person	Vehicle	Person	Vehicle	Person	Vehicle	Vehicle
HBW	890,540	837,113	1,020,167	935,711	-	-	-
HBNW Retail	2,586,456	2,527,226	936,639	618,899	-	-	-
HBNW Other	930,871	930,871	758,843	462,493	-	-	-
HBNW School	1,001,179	885,514	752,678	274,434	-	-	-
NHB-D	1,446,306	1,376,215	1,342,692	878,969	-	-	-
NHB-O	1,599,650	1,517,904	-	-	-	-	-
EXT-D	199,558	195,516	-	-	128,107	99,308	-
EXT-O	118,831	117,330	-	-	128,107	99,308	-
Non-Resident	287,298	269,005	-	-	-	-	-
Commercial Vehicles <sup>2</sup>	-	337,909	-	-	-	34,156	159,333

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

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

The data in Table 18 indicates the estimates of HBW trips from the work place survey are less than the estimates from the household survey. The estimates of HBNW trips from the household survey are significantly less than the work place survey. The person trip estimates of NHB-D from the household survey match reasonably close to the estimates from the work place survey. However, the vehicle trip estimates from the household surveys are about 63 percent of the estimates 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 were summed and averaged to reflect this same type of adjustment. The estimates of EXT-D and EXT-O from the household survey are less than the estimates from the work place survey. These numbers are presented for information purposes only since the current travel demand models do not use external destination or origin rates. The estimates of the internal commercial vehicle trips from the work place survey are more than double the estimate from the commercial vehicle survey. Given the limited number of

surveys in some of the stratification cells and high variability of attraction rates, the raw rates from the work place survey were adjusted as follows:

- attraction rates for area Type 4 (Rural) were set equal to the aggregate attraction rates for each employment type calculated for all area types combined;
- attraction rates for education employment were calculated for all surveyed sites aggregated over all area types and assumed to be the same for each area type; and
- all attraction rates were adjusted to balance the aggregate estimates with the aggregate estimates of trip productions for each trip purpose.

Tables 19 and 20 show the final recommended trip rates.

**Table 19. Recommended Person Trip Attraction Rates.**

Trip Purpose	Estimate	Person Trips				
		Per Basic Employee	Per Retail Employee	Per Service Employee	Per Education Employee	Per Household
HBW	CBD	1.21	1.14	1.53	1.39	0.07
	CBD Fringe	1.15	1.17	1.81	1.37	0.07
	Urban	1.21	1.44	1.66	1.39	0.07
	Suburban	1.30	1.12	1.89	1.35	0.07
	Rural	1.20	1.17	1.03	1.39	0.07
HBNW Retail	CBD		3.58			
	CBD Fringe		7.24			
	Urban		5.70			
	Suburban		6.40			
	Rural		8.04			
HBNW Other	CBD	0.87		0.55		0.45
	CBD Fringe	0.16		1.03		0.45
	Urban	0.20		1.37		0.45
	Suburban	0.31		3.45		0.45
	Rural	0.20		4.95		0.45
HBNW School	CBD				20.73	
	CBD Fringe				13.34	
	Urban				16.27	
	Suburban				16.06	
	Rural				18.42	
NHB	CBD	0.39	3.92	0.70	2.50	0.28
	CBD Fringe	0.36	3.79	0.68	2.46	0.28
	Urban	0.39	3.50	0.78	2.50	0.28
	Suburban	0.45	3.63	1.03	2.89	0.28
	Rural	0.31	2.85	1.65	1.63	0.28

**Table 20. Recommended Auto Driver Trip Attraction Rates.**

Trip Purpose	Estimate	Auto Driver Trips				
		Per Basic Employee	Per Retail Employee	Per Service Employee	Per Education Employee	Per Household
HBW	CBD	1.15	1.06	1.26	1.34	0.06
	CBD Fringe	1.10	1.08	1.61	1.31	0.06
	Urban	1.15	1.24	1.51	1.34	0.06
	Suburban	1.22	1.03	1.83	1.30	0.06
	Rural	1.12	1.09	0.98	1.34	0.06
HBNW Retail	CBD		2.08			
	CBD Fringe		4.87			
	Urban		3.82			
	Suburban		4.42			
	Rural		5.54			
HBNW Other	CBD	0.27		0.31		0.26
	CBD Fringe	0.10		0.64		0.26
	Urban	0.12		0.83		0.26
	Suburban	0.19		2.08		0.26
	Rural	0.11		3.05		0.26
HBNW School	CBD				8.91	
	CBD Fringe				5.74	
	Urban				6.99	
	Suburban				6.91	
	Rural				7.92	
NHB	CBD	0.25	2.24	0.36	1.67	0.26
	CBD Fringe	0.23	2.45	0.41	1.64	0.26
	Urban	0.25	2.22	0.46	1.67	0.26
	Suburban	0.28	2.42	0.68	1.93	0.26
	Rural	0.21	1.89	1.06	1.10	0.26

The final set of attraction rates are those for commercial vehicles. These rates were developed using the commercial vehicle counts conducted at the surveyed establishments and data from the commercial vehicle survey. The raw commercial vehicle rates were adjusted to bring the total number of commercial vehicle attractions in balance with the estimate of total internal commercial vehicle trips developed from the commercial vehicle survey. Table 21 shows the recommended rates.

**Table 21: Recommended Commercial Vehicle Trip Attraction Rates.**

Area Type	Person Trips				
	Per Basic Employee	Per Retail Employee	Per Service Employee	Per Education Employee	Per Household
CBD	0.50	0.92	0.25	0.20	0.08
CBD Fringe	0.23	0.60	0.33	0.92	0.08
Urban	0.33	0.91	0.17	0.65	0.08
Suburban	0.51	0.67	0.23	0.65	0.08
Rural	0.31	0.92	0.50	0.48	0.08

## SUMMARY OF FINDINGS

The 2006/2007 Austin Area 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 1,690. Approximately 44 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 80 randomly selected establishments and two data collection efforts at 210 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 were conducted at those sites. Those sites were the Austin Bergstrom International Airport and Southwestern University. A total of 157 employees and 251 visitors at the airport participated in the survey, while 88 employees and 108 visitors participated in the Southwestern University survey.

A total of 805 employees participated at the 80 establishments that were fully surveyed. The number of visitors surveyed at those sites totaled 2,325. Information was collected on 1,969 site-related trips for the employees and 4,650 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 2.8. This is slightly higher than the 2000 Census estimate of 2.7 persons per household. The average household income for participants was \$68,850 and the median household income was around \$55,000. The 2000 Census reported the average household income for the five counties in the Austin study area was \$64,094 and the median household income was \$46,512.

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 0.77 to a high of 1.60. The number of HBNW person trip attractions per employee ranged from a low of 0.12 to a high of 23.11. The number of NHB person trip destinations per employee ranged from a low of 0.31 to a high of 5.49. The number of non-resident person trips per employee ranged from a low of 0.04 to a high of 1.86. These values represent the observed data from the survey and not the final recommendations.

Travel by non-residents in the Austin study area is a significant amount, over 287,000 daily person trips. The distribution of trips by purpose as estimated from the Austin study area work place survey appear to reasonably estimate the amount of HBW travel and over estimate the amount of HBNW travel.

Tables 13 through 15 show the trip rates as observed in the work place survey. These rates were adjusted based on estimates of travel from the Austin study area household survey, external station survey, and commercial vehicle survey. These adjustments used estimates of employment for the Austin study area from CAMPO. Tables 18 through 21 show the adjusted rates. Since adjustments to observed trip rates is highly sensitive to the amount of employment and the distribution of employment, note that additional adjustments may be necessary in the calibration phase of the travel demand model to achieve acceptable results. The rates presented in Tables 19 through 21 are recommended for use in the Austin study area travel demand model subject to further adjustments to achieve acceptable results.



**APPENDIX A:  
WORK PLACE TRAVEL SURVEY FORMS**



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 Cargo Vehicles \_\_\_\_\_ Non-Commercial Vehicle Count \_\_\_\_\_ Person Count \_\_\_\_\_  
Commercial Service Vehicles \_\_\_\_\_

**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

Number/Type of Vehicles owned/Leased for Commercial/Business Purposes  
\_\_\_\_\_ Commercial Cargo Transport Vehicles \_\_\_\_\_ Commercial Service Vehicles  
\_\_\_\_\_ Cars \_\_\_\_\_ Vans \_\_\_\_\_ SUV's \_\_\_\_\_ Pickup Trucks

**WORK PLACE 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)

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 <input type="checkbox"/> car <input type="checkbox"/> van <input type="checkbox"/> SUV <input type="checkbox"/> pickup	<input type="checkbox"/> commercial vehicle <input type="checkbox"/> other - specify _____	1) Diesel 2) Gas 3) Other _____	
2				<input type="checkbox"/> motorcycle <input type="checkbox"/> car <input type="checkbox"/> van <input type="checkbox"/> SUV <input type="checkbox"/> pickup	<input type="checkbox"/> commercial vehicle <input type="checkbox"/> other - specify _____	1) Diesel 2) Gas 3) Other _____	
3				<input type="checkbox"/> motorcycle <input type="checkbox"/> car <input type="checkbox"/> van <input type="checkbox"/> SUV <input type="checkbox"/> pickup	<input type="checkbox"/> commercial vehicle <input type="checkbox"/> other - specify _____	1) Diesel 2) Gas 3) Other _____	
4				<input type="checkbox"/> motorcycle <input type="checkbox"/> car <input type="checkbox"/> van <input type="checkbox"/> SUV <input type="checkbox"/> pickup	<input type="checkbox"/> commercial vehicle <input type="checkbox"/> other - specify _____	1) Diesel 2) Gas 3) Other _____	
5				<input type="checkbox"/> motorcycle <input type="checkbox"/> car <input type="checkbox"/> van <input type="checkbox"/> SUV <input type="checkbox"/> pickup	<input type="checkbox"/> commercial vehicle <input type="checkbox"/> other - specify _____	1) Diesel 2) Gas 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)	Number of persons in vehicle (including self)	If driver, what vehicle was used?	If you took the bus ... (answer questions below)
<p><b>1. FIRST I WENT TO:</b></p> <p>_____</p> <p>Name of Place</p> <p>_____</p> <p>Address or nearest intersection</p> <p>_____</p> <p>City / state / zip</p> <p>If this place is outside of x,y, and z counties, what road were you on when you entered / exited the area</p> <p>_____</p> <p>(road name)</p> <p>Do you normally work at or out of this location?</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>	<p><input type="checkbox"/> a.m.</p> <p><input type="checkbox"/> p.m.</p> <p>Arrive</p> <p><input type="checkbox"/> a.m.</p> <p><input type="checkbox"/> p.m.</p> <p>Depart</p>	<p><input type="checkbox"/> (0) Residential</p> <p><input type="checkbox"/> (1) Industrial, Manufacturing, Agricultural, Construction Mining / Refining, Transportation, Warehousing</p> <p><input type="checkbox"/> (2) Retail trade, shopping for food, gas, clothes, home, garden. Restaurants. Any place that sells something</p> <p><input type="checkbox"/> (3) Services - banking, medical, governmental educational, repair, hotels, recreation, amusement</p> <p><input type="checkbox"/> (4) Other</p>	<p><input type="checkbox"/> (1) Leave / 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 Cargo Transport Vehicle</p> <p><input type="checkbox"/> (9) Commercial Service Vehicle</p> <p><input type="checkbox"/> (10) Motorcycle</p> <p><input type="checkbox"/> (11) Other</p>	<p>_____</p> <p>number of people</p>	<p>_____</p> <p>Year</p> <p>_____</p> <p>Make</p> <p>_____</p> <p>Model</p>	<p>What was the bus fare?:</p> <p>\$ _____</p> <p>How did you get to the bus stop?</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>_____</p>
					<p><b>If you paid parking, what was parking cost?</b></p> <p>\$_____</p>		<p>Per</p> <p><input type="checkbox"/> Hour</p> <p><input type="checkbox"/> Day</p> <p><input type="checkbox"/> Month</p>

 Thanks for your help with this important survey! **We are collecting 'complete' information on all travel during the day. Please include ANY and ALL stops including lunch, convenient store, shopping, etc. We appreciate your cooperation**

## 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)	Number of persons in vehicle (including self)	If driver, what vehicle was used?	If you took the bus ... (answer questions below)
<p><b>2. NEXT I WENT TO:</b></p> <p>_____</p> <p>Name of Place</p> <p>_____</p> <p>Address or nearest intersection</p> <p>_____</p> <p>City / state / zip</p> <p>If this place is outside of x,y, and z counties, what road were you on when you entered / exited the area</p> <p>_____</p> <p>(road name)</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><input type="checkbox"/> a.m.</p> <p><input type="checkbox"/> p.m.</p> <p>Depart</p> <p><input type="checkbox"/> a.m.</p> <p><input type="checkbox"/> p.m.</p>	<p><input type="checkbox"/> (0) Residential</p> <p><input type="checkbox"/> (1) Industrial, Manufacturing, Agricultural, Construction Mining / Refining, Transportation, Warehousing</p> <p><input type="checkbox"/> (2) Retail trade, shopping for food, gas, clothes, home, garden. Restaurants. Any place that sells something</p> <p><input type="checkbox"/> (3) Services - banking, medical, governmental educational, repair, hotels recreation, amusement</p> <p><input type="checkbox"/> (4) Other</p>	<p><input type="checkbox"/> (1) Leave / 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 Cargo Transport Vehicle</p> <p><input type="checkbox"/> (9) Commercial Service Vehicle</p> <p><input type="checkbox"/> (10) Motorcycle</p> <p><input type="checkbox"/> (11) Other</p>	<p>_____</p> <p>number of people</p>	<p>_____</p> <p>Year</p> <p>_____</p> <p>Make</p> <p>_____</p> <p>Model</p>	<p>What was the bus fare?:</p> <p>\$ _____</p> <p>How did you get to the bus stop?</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>_____</p>
<p><b>3. NEXT I WENT TO:</b></p> <p>_____</p> <p>Name of Place</p> <p>_____</p> <p>Address or nearest intersection</p> <p>_____</p> <p>City / state / zip</p> <p>If this place is outside of x,y, and z counties, what road were you on when you entered / exited the area</p> <p>_____</p> <p>(road name)</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><input type="checkbox"/> a.m.</p> <p><input type="checkbox"/> p.m.</p> <p>Depart</p> <p><input type="checkbox"/> a.m.</p> <p><input type="checkbox"/> p.m.</p>	<p><input type="checkbox"/> (0) Residential</p> <p><input type="checkbox"/> (1) Industrial, Manufacturing, Agricultural, Construction Mining / Refining, Transportation, Warehousing</p> <p><input type="checkbox"/> (2) Retail trade, shopping for food, gas, clothes, home, garden. Restaurants. Any place that sells something</p> <p><input type="checkbox"/> (3) Services - banking, medical, governmental educational, repair, hotels recreation, amusement</p> <p><input type="checkbox"/> (4) Other</p>	<p><input type="checkbox"/> (1) Leave / 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 Cargo Transport Vehicle</p> <p><input type="checkbox"/> (9) Commercial Service Vehicle</p> <p><input type="checkbox"/> (10) Motorcycle</p> <p><input type="checkbox"/> (11) Other</p>	<p>_____</p> <p>number of people</p>	<p>_____</p> <p>Year</p> <p>_____</p> <p>Make</p> <p>_____</p> <p>Model</p>	<p>What was the bus fare?:</p> <p>\$ _____</p> <p>How did you get to the bus stop?</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>_____</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)	Number of persons in vehicle (including self)	If driver, what vehicle was used?	If you took the bus ... (answer questions below)
<p><b>4. NEXT I WENT TO:</b></p> <p>_____</p> <p>Name of Place</p> <p>_____</p> <p>Address or nearest intersection</p> <p>_____</p> <p>City / state / zip</p> <p>If this place is outside of x,y, and z counties, what road were you on when you entered / exited the area</p> <p>_____</p> <p>(road name)</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><input type="checkbox"/> a.m.</p> <p><input type="checkbox"/> p.m.</p> <p>Depart</p> <p><input type="checkbox"/> a.m.</p> <p><input type="checkbox"/> p.m.</p>	<p><input type="checkbox"/> (0) Residential</p> <p><input type="checkbox"/> (1) Industrial, Manufacturing, Agricultural, Construction Mining / Refining, Transportation, Warehousing</p> <p><input type="checkbox"/> (2) Retail trade, shopping for food, gas, clothes, home, garden. Restaurants. Any place that sells something</p> <p><input type="checkbox"/> (3) Services - banking, medical, governmental educational, repair, hotels recreation, amusement</p> <p><input type="checkbox"/> (4) Other</p>	<p><input type="checkbox"/> (1) Leave / 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 Cargo Transport Vehicle</p> <p><input type="checkbox"/> (9) Commercial Service Vehicle</p> <p><input type="checkbox"/> (10) Motorcycle</p> <p><input type="checkbox"/> (11) Other</p>	<p>_____</p> <p>number of people</p>	<p>_____</p> <p>Year</p> <p>_____</p> <p>Make</p> <p>_____</p> <p>Model</p>	<p>What was the bus fare?:</p> <p>\$ _____</p> <p>How did you get to the bus stop?</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>
<b>If you paid parking, what was parking cost?</b>					<p>\$_____</p>	<p>Per</p> <p><input type="checkbox"/> Hour</p> <p><input type="checkbox"/> Day</p> <p><input type="checkbox"/> Month</p>	
<p><b>5. NEXT I WENT TO:</b></p> <p>_____</p> <p>Name of Place</p> <p>_____</p> <p>Address or nearest intersection</p> <p>_____</p> <p>City / state / zip</p> <p>If this place is outside of x,y, and z counties, what road were you on when you entered / exited the area</p> <p>_____</p> <p>(road name)</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><input type="checkbox"/> a.m.</p> <p><input type="checkbox"/> p.m.</p> <p>Depart</p> <p><input type="checkbox"/> a.m.</p> <p><input type="checkbox"/> p.m.</p>	<p><input type="checkbox"/> (0) Residential</p> <p><input type="checkbox"/> (1) Industrial, Manufacturing, Agricultural, Construction Mining / Refining, Transportation, Warehousing</p> <p><input type="checkbox"/> (2) Retail trade, shopping for food, gas, clothes, home, garden. Restaurants. Any place that sells something</p> <p><input type="checkbox"/> (3) Services - banking, medical, governmental educational, repair, hotels recreation, amusement</p> <p><input type="checkbox"/> (4) Other</p>	<p><input type="checkbox"/> (1) Leave / 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 Cargo Transport Vehicle</p> <p><input type="checkbox"/> (9) Commercial Service Vehicle</p> <p><input type="checkbox"/> (10) Motorcycle</p> <p><input type="checkbox"/> (11) Other</p>	<p>_____</p> <p>number of people</p>	<p>_____</p> <p>Year</p> <p>_____</p> <p>Make</p> <p>_____</p> <p>Model</p>	<p>What was the bus fare?:</p> <p>\$ _____</p> <p>How did you get to the bus stop?</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>
<b>If you paid parking, what was parking cost?</b>					<p>\$_____</p>	<p>Per</p> <p><input type="checkbox"/> Hour</p> <p><input type="checkbox"/> Day</p> <p><input type="checkbox"/> Month</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)	Number of persons in vehicle (including self)	If driver, what vehicle was used?	If you took the bus ... (answer questions below)
<p><b>6. NEXT I WENT TO:</b></p> <p>_____</p> <p>Name of Place</p> <p>_____</p> <p>Address or nearest intersection</p> <p>_____</p> <p>City / state / zip</p> <p>If this place is outside of x,y, and z counties, what road were you on when you entered / exited the area</p> <p>_____</p> <p>(road name)</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><input type="checkbox"/> a.m.</p> <p><input type="checkbox"/> p.m.</p> <p>Depart</p> <p><input type="checkbox"/> a.m.</p> <p><input type="checkbox"/> p.m.</p>	<p><input type="checkbox"/> (0) Residential</p> <p><input type="checkbox"/> (1) Industrial, Manufacturing, Agricultural, Construction Mining / Refining, Transportation, Warehousing</p> <p><input type="checkbox"/> (2) Retail trade, shopping for food, gas, clothes, home, garden. Restaurants. Any place that sells something</p> <p><input type="checkbox"/> (3) Services - banking, medical, governmental educational, repair, hotels recreation, amusement</p> <p><input type="checkbox"/> (4) Other</p>	<p><input type="checkbox"/> (1) Leave / 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 Cargo Transport Vehicle</p> <p><input type="checkbox"/> (9) Commercial Service Vehicle</p> <p><input type="checkbox"/> (10) Motorcycle</p> <p><input type="checkbox"/> (11) Other</p>	<p>_____</p> <p>number of people</p>	<p>_____</p> <p>Year</p> <p>_____</p> <p>Make</p> <p>_____</p> <p>Model</p>	<p>What was the bus fare?:</p> <p>\$ _____</p> <p>How did you get to the bus stop?</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>
<b>If you paid parking, what was parking cost?</b>					<p>\$_____</p>	<p>Per</p> <p><input type="checkbox"/> Hour</p> <p><input type="checkbox"/> Day</p> <p><input type="checkbox"/> Month</p>	
<p><b>7. NEXT I WENT TO:</b></p> <p>_____</p> <p>Name of Place</p> <p>_____</p> <p>Address or nearest intersection</p> <p>_____</p> <p>City / state / zip</p> <p>If this place is outside of x,y, and z counties, what road were you on when you entered / exited the area</p> <p>_____</p> <p>(road name)</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><input type="checkbox"/> a.m.</p> <p><input type="checkbox"/> p.m.</p> <p>Depart</p> <p><input type="checkbox"/> a.m.</p> <p><input type="checkbox"/> p.m.</p>	<p><input type="checkbox"/> (0) Residential</p> <p><input type="checkbox"/> (1) Industrial, Manufacturing, Agricultural, Construction Mining / Refining, Transportation, Warehousing</p> <p><input type="checkbox"/> (2) Retail trade, shopping for food, gas, clothes, home, garden. Restaurants. Any place that sells something</p> <p><input type="checkbox"/> (3) Services - banking, medical, governmental educational, repair, hotels recreation, amusement</p> <p><input type="checkbox"/> (4) Other</p>	<p><input type="checkbox"/> (1) Leave / 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 Cargo Transport Vehicle</p> <p><input type="checkbox"/> (9) Commercial Service Vehicle</p> <p><input type="checkbox"/> (10) Motorcycle</p> <p><input type="checkbox"/> (11) Other</p>	<p>_____</p> <p>number of people</p>	<p>_____</p> <p>Year</p> <p>_____</p> <p>Make</p> <p>_____</p> <p>Model</p>	<p>What was the bus fare?:</p> <p>\$ _____</p> <p>How did you get to the bus stop?</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>
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**Form B - PART 2: TRIP INFORMATION (continued)**

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<p><b>8. NEXT I WENT TO:</b></p> <p>_____</p> <p>Name of Place</p> <p>_____</p> <p>Address or nearest intersection</p> <p>_____</p> <p>City / state / zip</p> <p>If this place is outside of x,y, and z counties, what road were you on when you entered / exited the area</p> <p>_____</p> <p>(road name)</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><input type="checkbox"/> a.m.</p> <p><input type="checkbox"/> p.m.</p> <p>Depart</p> <p><input type="checkbox"/> a.m.</p> <p><input type="checkbox"/> p.m.</p>	<p><input type="checkbox"/> (0) Residential</p> <p><input type="checkbox"/> (1) Industrial, Manufacturing, Agricultural, Construction Mining / Refining, Transportation, Warehousing</p> <p><input type="checkbox"/> (2) Retail trade, shopping for food, gas, clothes, home, garden. Restaurants. Any place that sells something</p> <p><input type="checkbox"/> (3) Services - banking, medical, governmental educational, repair, hotels recreation, amusement</p> <p><input type="checkbox"/> (4) Other</p>	<p><input type="checkbox"/> (1) Leave / 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 Cargo Transport Vehicle</p> <p><input type="checkbox"/> (9) Commercial Service Vehicle</p> <p><input type="checkbox"/> (10) Motorcycle</p> <p><input type="checkbox"/> (11) Other</p>	<p>_____</p> <p>number of people</p>	<p>_____</p> <p>Year</p> <p>_____</p> <p>Make</p> <p>_____</p> <p>Model</p>	<p>What was the bus fare?:</p> <p>\$ _____</p> <p>How did you get to the bus stop?</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>9. NEXT I WENT TO:</b></p> <p>_____</p> <p>Name of Place</p> <p>_____</p> <p>Address or nearest intersection</p> <p>_____</p> <p>City / state / zip</p> <p>If this place is outside of x,y, and z counties, what road were you on when you entered / exited the area</p> <p>_____</p> <p>(road name)</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><input type="checkbox"/> a.m.</p> <p><input type="checkbox"/> p.m.</p> <p>Depart</p> <p><input type="checkbox"/> a.m.</p> <p><input type="checkbox"/> p.m.</p>	<p><input type="checkbox"/> (0) Residential</p> <p><input type="checkbox"/> (1) Industrial, Manufacturing, Agricultural, Construction Mining / Refining, Transportation, Warehousing</p> <p><input type="checkbox"/> (2) Retail trade, shopping for food, gas, clothes, home, garden. Restaurants. Any place that sells something</p> <p><input type="checkbox"/> (3) Services - banking, medical, governmental educational, repair, hotels recreation, amusement</p> <p><input type="checkbox"/> (4) Other</p>	<p><input type="checkbox"/> (1) Leave / 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 Cargo Transport Vehicle</p> <p><input type="checkbox"/> (9) Commercial Service Vehicle</p> <p><input type="checkbox"/> (10) Motorcycle</p> <p><input type="checkbox"/> (11) Other</p>	<p>_____</p> <p>number of people</p>	<p>_____</p> <p>Year</p> <p>_____</p> <p>Make</p> <p>_____</p> <p>Model</p>	<p>What was the bus fare?:</p> <p>\$ _____</p> <p>How did you get to the bus stop?</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>

**If you paid parking, what was parking cost?**

\$\_\_\_\_\_

Per  
 Hour  
 Day  
 Month

**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)	Number of persons in vehicle (including self)	If driver, what vehicle was used?	If you took the bus ... (answer questions below)
<p><b>10. NEXT I WENT TO:</b></p> <p>_____</p> <p>Name of Place</p> <p>_____</p> <p>Address or nearest intersection</p> <p>_____</p> <p>City / state / zip</p> <p>If this place is outside of x,y, and z counties, what road were you on when you entered / exited the area</p> <p>_____</p> <p>(road name)</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><input type="checkbox"/> a.m.</p> <p><input type="checkbox"/> p.m.</p> <p>Depart</p> <p><input type="checkbox"/> a.m.</p> <p><input type="checkbox"/> p.m.</p>	<p><input type="checkbox"/> (0) Residential</p> <p><input type="checkbox"/> (1) Industrial, Manufacturing, Agricultural, Construction Mining / Refining, Transportation, Warehousing</p> <p><input type="checkbox"/> (2) Retail trade, shopping for food, gas, clothes, home, garden. Restaurants. Any place that sells something</p> <p><input type="checkbox"/> (3) Services - banking, medical, governmental educational, repair, hotels recreation, amusement</p> <p><input type="checkbox"/> (4) Other</p>	<p><input type="checkbox"/> (1) Leave / 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 Cargo Transport Vehicle</p> <p><input type="checkbox"/> (9) Commercial Service Vehicle</p> <p><input type="checkbox"/> (10) Motorcycle</p> <p><input type="checkbox"/> (11) Other</p>	<p>_____</p> <p>number of people</p>	<p>_____</p> <p>Year</p> <p>_____</p> <p>Make</p> <p>_____</p> <p>Model</p>	<p>What was the bus fare?:</p> <p>\$ _____</p> <p>How did you get to the bus stop?</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>If you paid parking, what was parking cost?</b></p>	<p>\$_____</p>	<p>Per</p> <p><input type="checkbox"/> Hour</p> <p><input type="checkbox"/> Day</p> <p><input type="checkbox"/> Month</p>
<p><b>11. NEXT I WENT TO:</b></p> <p>_____</p> <p>Name of Place</p> <p>_____</p> <p>Address or nearest intersection</p> <p>_____</p> <p>City / state / zip</p> <p>If this place is outside of x,y, and z counties, what road were you on when you entered / exited the area</p> <p>_____</p> <p>(road name)</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><input type="checkbox"/> a.m.</p> <p><input type="checkbox"/> p.m.</p> <p>Depart</p> <p><input type="checkbox"/> a.m.</p> <p><input type="checkbox"/> p.m.</p>	<p><input type="checkbox"/> (0) Residential</p> <p><input type="checkbox"/> (1) Industrial, Manufacturing, Agricultural, Construction Mining / Refining, Transportation, Warehousing</p> <p><input type="checkbox"/> (2) Retail trade, shopping for food, gas, clothes, home, garden. Restaurants. Any place that sells something</p> <p><input type="checkbox"/> (3) Services - banking, medical, governmental educational, repair, hotels recreation, amusement</p> <p><input type="checkbox"/> (4) Other</p>	<p><input type="checkbox"/> (1) Leave / 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 Cargo Transport Vehicle</p> <p><input type="checkbox"/> (9) Commercial Service Vehicle</p> <p><input type="checkbox"/> (10) Motorcycle</p> <p><input type="checkbox"/> (11) Other</p>	<p>_____</p> <p>number of people</p>	<p>_____</p> <p>Year</p> <p>_____</p> <p>Make</p> <p>_____</p> <p>Model</p>	<p>What was the bus fare?:</p> <p>\$ _____</p> <p>How did you get to the bus stop?</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>If you paid parking, what was parking cost?</b></p>	<p>\$_____</p>	<p>Per</p> <p><input type="checkbox"/> Hour</p> <p><input type="checkbox"/> Day</p> <p><input type="checkbox"/> Month</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)	Number of persons in vehicle (including self)	If driver, what vehicle was used?	If you took the bus ... (answer questions below)
<p><b>12. NEXT I WENT TO:</b></p> <p>_____</p> <p>Name of Place</p> <p>_____</p> <p>Address or nearest intersection</p> <p>_____</p> <p>City / state / zip</p> <p>If this place is outside of x,y, and z counties, what road were you on when you entered / exited the area</p> <p>_____</p> <p>(road name)</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><input type="checkbox"/> a.m.</p> <p><input type="checkbox"/> p.m.</p> <p>Depart</p> <p><input type="checkbox"/> a.m.</p> <p><input type="checkbox"/> p.m.</p>	<p><input type="checkbox"/> (0) Residential</p> <p><input type="checkbox"/> (1) Industrial, Manufacturing, Agricultural, Construction Mining / Refining, Transportation, Warehousing</p> <p><input type="checkbox"/> (2) Retail trade, shopping for food, gas, clothes, home, garden. Restaurants. Any place that sells something</p> <p><input type="checkbox"/> (3) Services - banking, medical, governmental educational, repair, hotels recreation, amusement</p> <p><input type="checkbox"/> (4) Other</p>	<p><input type="checkbox"/> (1) Leave / 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 Cargo Transport Vehicle</p> <p><input type="checkbox"/> (9) Commercial Service Vehicle</p> <p><input type="checkbox"/> (10) Motorcycle</p> <p><input type="checkbox"/> (11) Other</p>	<p>_____</p> <p>number of people</p>	<p>_____</p> <p>Year</p> <p>_____</p> <p>Make</p> <p>_____</p> <p>Model</p>	<p>What was the bus fare?:</p> <p>\$ _____</p> <p>How did you get to the bus stop?</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>
<b>If you paid parking, what was parking cost?</b>					<p>\$_____</p>	<p>Per</p> <p><input type="checkbox"/> Hour</p> <p><input type="checkbox"/> Day</p> <p><input type="checkbox"/> Month</p>	
<p><b>13. NEXT I WENT TO:</b></p> <p>_____</p> <p>Name of Place</p> <p>_____</p> <p>Address or nearest intersection</p> <p>_____</p> <p>City / state / zip</p> <p>If this place is outside of x,y, and z counties, what road were you on when you entered / exited the area</p> <p>_____</p> <p>(road name)</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><input type="checkbox"/> a.m.</p> <p><input type="checkbox"/> p.m.</p> <p>Depart</p> <p><input type="checkbox"/> a.m.</p> <p><input type="checkbox"/> p.m.</p>	<p><input type="checkbox"/> (0) Residential</p> <p><input type="checkbox"/> (1) Industrial, Manufacturing, Agricultural, Construction Mining / Refining, Transportation, Warehousing</p> <p><input type="checkbox"/> (2) Retail trade, shopping for food, gas, clothes, home, garden. Restaurants. Any place that sells something</p> <p><input type="checkbox"/> (3) Services - banking, medical, governmental educational, repair, hotels recreation, amusement</p> <p><input type="checkbox"/> (4) Other</p>	<p><input type="checkbox"/> (1) Leave / 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 Cargo Transport Vehicle</p> <p><input type="checkbox"/> (9) Commercial Service Vehicle</p> <p><input type="checkbox"/> (10) Motorcycle</p> <p><input type="checkbox"/> (11) Other</p>	<p>_____</p> <p>number of people</p>	<p>_____</p> <p>Year</p> <p>_____</p> <p>Make</p> <p>_____</p> <p>Model</p>	<p>What was the bus fare?:</p> <p>\$ _____</p> <p>How did you get to the bus stop?</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>
<b>If you paid parking, what was parking cost?</b>					<p>\$_____</p>	<p>Per</p> <p><input type="checkbox"/> Hour</p> <p><input type="checkbox"/> Day</p> <p><input type="checkbox"/> Month</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)	Number of persons in vehicle (including self)	If driver, what vehicle was used?	If you took the bus ... (answer questions below)
<p><b>14. NEXT I WENT TO:</b></p> <p>_____</p> <p>Name of Place</p> <p>_____</p> <p>Address or nearest intersection</p> <p>_____</p> <p>City / state / zip</p> <p>If this place is outside of x,y, and z counties, what road were you on when you entered / exited the area</p> <p>_____</p> <p>(road name)</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><input type="checkbox"/> a.m.</p> <p><input type="checkbox"/> p.m.</p> <p>Depart</p> <p><input type="checkbox"/> a.m.</p> <p><input type="checkbox"/> p.m.</p>	<p><input type="checkbox"/> (0) Residential</p> <p><input type="checkbox"/> (1) Industrial, Manufacturing, Agricultural, Construction Mining / Refining, Transportation, Warehousing</p> <p><input type="checkbox"/> (2) Retail trade, shopping for food, gas, clothes, home, garden. Restaurants. Any place that sells something</p> <p><input type="checkbox"/> (3) Services - banking, medical, governmental educational, repair, hotels recreation, amusement</p> <p><input type="checkbox"/> (4) Other</p>	<p><input type="checkbox"/> (1) Leave / 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 Cargo Transport Vehicle</p> <p><input type="checkbox"/> (9) Commercial Service Vehicle</p> <p><input type="checkbox"/> (10) Motorcycle</p> <p><input type="checkbox"/> (11) Other</p>	<p>_____</p> <p>number of people</p>	<p>_____</p> <p>Year</p> <p>_____</p> <p>Make</p> <p>_____</p> <p>Model</p>	<p>What was the bus fare?:</p> <p>\$ _____</p> <p>How did you get to the bus stop?</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>15. NEXT I WENT TO:</b></p> <p>_____</p> <p>Name of Place</p> <p>_____</p> <p>Address or nearest intersection</p> <p>_____</p> <p>City / state / zip</p> <p>If this place is outside of x,y, and z counties, what road were you on when you entered / exited the area</p> <p>_____</p> <p>(road name)</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><input type="checkbox"/> a.m.</p> <p><input type="checkbox"/> p.m.</p> <p>Depart</p> <p><input type="checkbox"/> a.m.</p> <p><input type="checkbox"/> p.m.</p>	<p><input type="checkbox"/> (0) Residential</p> <p><input type="checkbox"/> (1) Industrial, Manufacturing, Agricultural, Construction Mining / Refining, Transportation, Warehousing</p> <p><input type="checkbox"/> (2) Retail trade, shopping for food, gas, clothes, home, garden. Restaurants. Any place that sells something</p> <p><input type="checkbox"/> (3) Services - banking, medical, governmental educational, repair, hotels recreation, amusement</p> <p><input type="checkbox"/> (4) Other</p>	<p><input type="checkbox"/> (1) Leave / 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 Cargo Transport Vehicle</p> <p><input type="checkbox"/> (9) Commercial Service Vehicle</p> <p><input type="checkbox"/> (10) Motorcycle</p> <p><input type="checkbox"/> (11) Other</p>	<p>_____</p> <p>number of people</p>	<p>_____</p> <p>Year</p> <p>_____</p> <p>Make</p> <p>_____</p> <p>Model</p>	<p>What was the bus fare?:</p> <p>\$ _____</p> <p>How did you get to the bus stop?</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

Free Standing Workplace  
Survey Area

Site # \_\_\_\_\_  
Date: \_\_\_\_/\_\_\_\_/\_\_\_\_  
Interviewer \_\_\_\_\_  
Area Type \_\_\_\_\_

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

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

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

<u>Questions</u>	<u>Person 1</u>	<u>Person 2</u>
(If Q.11 = Yes, then skip)  13a. Is that location:  13b. If outside of X,Y, or Z county what street or highway will you be on when you leave this area?	a. <input type="checkbox"/> In X County? <input type="checkbox"/> In Y County? <input type="checkbox"/> In Z County? <input type="checkbox"/> Outside of XY and Z counties  b. _____  _____	a. <input type="checkbox"/> In X County? <input type="checkbox"/> In Y County? <input type="checkbox"/> In Z County? <input type="checkbox"/> Outside of XY and Z counties  b. _____  _____
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: _____  (see below for ranges)	Range: _____  (see below for ranges)

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

**VISITOR TRAVEL SURVEY**  
Form D

**Non Free Standing Workplace**  
Survey Area

Site # \_\_\_\_\_  
Date: \_\_\_\_/\_\_\_\_/\_\_\_\_  
Interviewer \_\_\_\_\_  
Area Type \_\_\_\_\_

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

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

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

<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 (If YES go to Question 14)	<input type="checkbox"/> Yes <input type="checkbox"/> No (If YES go to Question 14)
(If Q.11 = Yes, then skip)		
15. What is the address of the place you will be going?	_____	_____
	(Address or nearest intersection)	(Address or nearest intersection)
(If Q.11 = Yes, then skip)		
16a. Is that location in:	a. <input type="checkbox"/> In X County? <input type="checkbox"/> In Y County? <input type="checkbox"/> In Z County? <input type="checkbox"/> Outside of XY and Z counties	a. <input type="checkbox"/> In X County? <input type="checkbox"/> In Y County? <input type="checkbox"/> In Z County? <input type="checkbox"/> Outside of XY and Z counties
16c. If outside one of these counties, what street or highway will you be on when you leave this area?	b. _____	b. _____
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: _____ (see below for ranges)	Range: _____ (see below for ranges)

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

**Workplace Delivery 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)		
4. Vehicle Type	<input type="checkbox"/> 1 – Cargo Transport <input type="checkbox"/> 2 Service	<input type="checkbox"/> 1 – Cargo Transport <input type="checkbox"/> 2 Service
5a. What year is this vehicle?	a. _____ (year)	a. _____ (year)
5b. Gross vehicle weight?	b. _____ (weight)	b. _____ (weight)
5c. Leaded, unleaded, diesel, propane, or other kind of fuel?	c. 1. <input type="checkbox"/> Leaded Gas      4. <input type="checkbox"/> Propane 2. <input type="checkbox"/> Unleaded Gas    5. <input type="checkbox"/> Other 3. <input type="checkbox"/> Diesel	c. 1. <input type="checkbox"/> Leaded Gas      4. <input type="checkbox"/> Propane 2. <input type="checkbox"/> Unleaded Gas    5. <input type="checkbox"/> Other 3. <input type="checkbox"/> Diesel
6. What is the mileage on your odometer?		
7. What is the cargo? (Choose from cargo codes)		
8. What is the weight of the cargo being delivered in pounds?		
9. What is the weight of the cargo being picked up in pounds?		
10. Did your cargo originate in Mexico?		
11. What is your reason for coming here today?	_____ (Choose from trip purpose options)	_____ (Choose from trip purpose options)
12. What is the address of the last place you got into your vehicle?  (Address or nearest two intersecting streets)	_____ _____	_____ _____
13a. Is that location:	a. <input type="checkbox"/> In X County? <input type="checkbox"/> In Y County? <input type="checkbox"/> In Z County? <input type="checkbox"/> Outside of XY and Z counties	a. <input type="checkbox"/> In X County? <input type="checkbox"/> In Y County? <input type="checkbox"/> In Z County? <input type="checkbox"/> Outside of XY and Z counties
13b. If outside of X,Y or Z counties county, what street or highway were you on when you entered the area?	b. _____ _____	b. _____ _____
14. What was your purpose for being at that location?	_____ (Choose from trip purpose options)	_____ (Choose from trip purpose options)
15. What approximate time did you leave that location?	_____ a.m. / _____ p.m.	_____ a.m. / _____ p.m.
16. What is the address of the place you will be going when you leave?  (place/address or nearest intersection/city)	_____ _____	_____ _____

**Workplace Delivery Vehicle Survey  
Form E**

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

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

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

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

8.0 Workplace Survey, Form E (continued)

<p>17a. Is that location:</p>	<p>a. <input type="checkbox"/> In X County?  <input type="checkbox"/> In Y County?  <input type="checkbox"/> In Z County?  <input type="checkbox"/> Outside of XY and Z counties</p>	<p>a. <input type="checkbox"/> In X County?  <input type="checkbox"/> In Y County?  <input type="checkbox"/> In Z County?  <input type="checkbox"/> Outside of XY and Z counties</p>
<p>17b. If outside of X,Y or Z county, what street or highway will you be on when you leave the area?</p>	<p>b. _____          _____</p>	<p>b. _____          _____</p>
<p>18. What is your purpose for traveling to your next destination?</p>	<p>_____</p>	<p>_____</p>
	<p>(Choose from trip purpose options)</p>	<p>(Choose from trip purpose options)</p>

**Vehicle Cargo Codes:**

- |  |   |
|--|---|
| <ol style="list-style-type: none"> <li>1. Farm Products</li> <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. Transportation</li> <li>19. Unclassified Cargo</li> <li>20. Driver refused to Answer</li> <li>21. Unknown to Driver</li> <li>22. Empty</li> </ol> | <p>Livestock, fertilizer, dirt, landscaping, etc.<br/>             Trees, sod, etc.<br/>             Fresh fish, seafood, etc.<br/>             Crude petroleum, natural gas, propane, metals, gypsum, ores, etc.<br/>             Assorted food products, cosmetics, etc.<br/>             Cigarettes, cigars, chewing tobacco<br/>             Clothing, linens, etc.<br/>             Lumber, paper, cardboard, wood pulp, etc.<br/>             Newspapers, magazines, books, etc.<br/>             Soaps, paints, household or industrial chemicals, etc.<br/>             Gasoline, etc.<br/>             Finished products of rubber, plastic, or styrofoam<br/>             Finished products of clay, concrete, glass, or stone<br/>             Miscellaneous products, such as machinery, appliances, furniture, etc.<br/>             Waste products including scrap and recyclable materials<br/>             U.S. mail, U.P.S., Federal Express, and other mixed cargo<br/>             Hazardous chemicals and substances<br/>             Automobiles, Heavy Equipment<br/>             Unclassified Cargo etc. (cargo not falling within one of the above)<br/>             Driver refused to answer<br/>             Unknown to Driver<br/>             Empty (including empty shipping containers)</p> |
|--|---|

**Trip Purpose Options:**

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

**Standard Vehicle Class Options:**

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 \_\_\_\_\_

**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
- 99 - Refused

(Example Only)

**WORKPLACE VEHICLES OWNED/LEASED SURVEY  
FORM F**

**PART 1: VEHICLE INFORMATION**

(If you have participated in prior surveys, please fill out this form anyway)

Vehicle ID#: \_\_\_\_\_

Vehicle License # : \_\_\_\_\_

Survey Location (zone): \_\_\_\_\_

SIC Code: \_\_\_\_\_

Travel Day: \_\_\_\_\_  
Month / Day

Company or Name of Owner (name on registration):

\_\_\_\_\_

Address of location where vehicle was based at beginning of travel day:

\_\_\_\_\_  
(Street Address or Nearest Intersection)

City

State

ZIP

Vehicle Make: \_\_\_\_\_

Vehicle Model: \_\_\_\_\_

Vehicle Year: \_\_\_\_\_

Vehicle Fuel Type:      1)  Leaded Gas   2)  Unleaded Gas   3)  Diesel   4)  Propane  
5)  Other \_\_\_\_\_ (Specify)

Vehicle Type            1)  Cargo / Freight Transport Vehicle  
2)  Service Vehicle (i.e., any vehicle not used for transporting cargo or freight)

Vehicle Classification:

- 1)  Passenger Car
- 2)  Pick-up
- 3)  Van (Passenger or Mini)
- 4)  Sport Utility Vehicle (SUV)
- 5)  Single Unit 2-axle (6 wheels)
- 6)  Single Unit 3-axle (10 wheels)
- 7)  Single Unit 4-axle (14 wheels)
- 8)  Semi (all tractor trailer combinations)
- 9)  Other \_\_\_\_\_

Gross Vehicle Weight: \_\_\_\_\_ pounds

Beginning Odometer Reading: \_\_\_\_\_

Record Type 21

WORKPLACE VEHICLES OWNED/LEASED SURVEY – FORM F

VEHICLE LICENSE #: \_\_\_\_\_

PART 2: Travel Log

THE PLACE MY TRAVEL BEGAN TODAY WAS:

- (1) Work / Base Location
- (6) Home
- (7) Other Location (specify type of place, see codes below) \_\_\_\_\_

\_\_\_\_\_  
(Street address or nearest intersection for place travel began)

\_\_\_\_\_  
(City, state, zip code)

TRAVEL DATE \_\_\_\_\_  
Month / Day

DEPARTURE TIME: \_\_\_\_\_ a.m. / p.m.

When you left the above location was your vehicle:  Fully Loaded  Partially Loaded  Empty  
If loaded, what is the total weight in pounds of the cargo being transported? \_\_\_\_\_

RECORD EVERY PLACE YOU GO, INCLUDING QUICK STOPS

RECORD the following information about each place		What time did you arrive and depart this location? (record exact times)	Activity What are you doing at this Location See options below	What type of place is this? (see options below)	Is this the work / base location for this vehicle?  <input type="checkbox"/> - Yes <input type="checkbox"/> - No	Type of Cargo What is it?	Cargo Weight (in pounds)
NAME of Place:	Address including city, state, and zip OR Nearest street intersection or Landmark						
<b>PLACE 1</b>	<b>PLACE 1</b>	Arrive: _____ a.m./p.m. Depart: _____ a.m./p.m.			<input type="checkbox"/> - Yes <input type="checkbox"/> - No		Delivery Picked Up
	<b>PLACE 2</b>	Arrive: _____ a.m./p.m. Depart: _____ a.m./p.m.			<input type="checkbox"/> - Yes <input type="checkbox"/> - No		Delivery Picked Up
	<b>PLACE 3</b>	Arrive: _____ a.m./p.m. Depart: _____ a.m./p.m.			<input type="checkbox"/> - Yes <input type="checkbox"/> - No		Delivery Picked Up

Activity OPTIONS		TYPE OF PLACE OPTIONS		
(1) Base Location / Return to Base Location	(5) Maintenance (fuel, oil, etc.)	(1) Office Building (non-government)	(6) Education (college, trade)	(11) Warehouse
(2) Delivery	(6) Driver Needs (lunch, etc.)	(2) Retail / Shopping	(7) Government Office / Building	(12) Distribution Center
(3) Pick-up	(7) Service related business	(3) Industrial / Manufacturing	(8) Residential	(13) Construction Site
(4) Pick-up and Delivery	(8) Other (please specify)	(4) Medical / Hospital	(9) Airport	(14) Other (specify)
		(5) Education (12 <sup>th</sup> grade or less)	(10) Intermodal Facility	(99) Refused / Unknown

**WORKPLACE VEHICLES OWNED/LEASED SURVEY – FORM F**  
**(continued)**

2006/2007 Austin Area Work Place Travel Survey Technical Summary

RECORD the following information about each place		What time did you arrive and depart this location? <small>(record exact times)</small>	Activity What are you doing at this location? <small>(see options on bottom of page 1)</small>	Type of Activity at This Location <small>(see options on bottom of page 1)</small>	Is this the work / base location for this vehicle?  <input type="checkbox"/> - Yes <input type="checkbox"/> - No	Type of Cargo <small>(see options on bottom of page 1)</small>	Cargo Weight <small>(in pounds)</small>
NAME of Place:	Address including city, state, and zip OR Nearest street intersection or Landmark						
PLACE 4		Arrive: _____ a.m./p.m. Depart: _____ a.m./p.m.					Delivery Picked Up
		Arrive: _____ a.m./p.m. Depart: _____ a.m./p.m.					Delivery Picked Up
PLACE 5		Arrive: _____ a.m./p.m. Depart: _____ a.m./p.m.					Delivery Picked Up
		Arrive: _____ a.m./p.m. Depart: _____ a.m./p.m.					Delivery Picked Up
PLACE 6		Arrive: _____ a.m./p.m. Depart: _____ a.m./p.m.					Delivery Picked Up
		Arrive: _____ a.m./p.m. Depart: _____ a.m./p.m.					Delivery Picked Up
PLACE 7		Arrive: _____ a.m./p.m. Depart: _____ a.m./p.m.					Delivery Picked Up
		Arrive: _____ a.m./p.m. Depart: _____ a.m./p.m.					Delivery Picked Up
PLACE 8		Arrive: _____ a.m./p.m. Depart: _____ a.m./p.m.					Delivery Picked Up
		Arrive: _____ a.m./p.m. Depart: _____ a.m./p.m.					Delivery Picked Up
PLACE 9		Arrive: _____ a.m./p.m. Depart: _____ a.m./p.m.					Delivery Picked Up
		Arrive: _____ a.m./p.m. Depart: _____ a.m./p.m.					Delivery Picked Up

Activity OPTIONS		TYPE OF PLACE OPTIONS		
(1) Base Location / Return to Base Location	(5) Maintenance (fuel, oil, etc.)	(1) Office Building (non-government)	(6) Education (college, trade)	(11) Warehouse
(2) Delivery	(6) Driver Needs (lunch, etc.)	(2) Retail / Shopping	(7) Government Office / Building	(12) Distribution Center
(3) Pick-up	(7) Service related business	(3) Industrial / Manufacturing	(8) Residential	(13) Construction Site
(4) Pick-up and Delivery	(8) Other (please specify)	(4) Medical / Hospital	(9) Airport	(14) Other (specify)
		(5) Education (12 <sup>th</sup> grade or less)	(10) Intermodal Facility	(99) Refused / Unknown

Record Type 21

**WORKPLACE VEHICLES OWNED/LEASED SURVEY – FORM F**  
**(continued)**

VEHICLE LICENSE #: \_\_\_\_\_

RECORD the following information about each place		What time did you arrive and depart this location? <small>(record exact times)</small>	Activity What are you doing at this location? <small>(see options on bottom of page 1)</small>	Type of Activity at This Location <small>(see options on bottom of page 1)</small>	Is this the work / base location for this vehicle?	Type of Cargo <small>(see options on bottom of page 1)</small>	Cargo Weight <small>(in pounds)</small>
NAME of Place:	Address including city, state, and zip OR Nearest street intersection or Landmark						
PLACE 10 PLACE 11 PLACE 12 PLACE 13 PLACE 14 PLACE 15		Arrive: _____ a.m./p.m. Depart: _____ a.m./p.m.			<input type="checkbox"/> - Yes <input type="checkbox"/> - No		_____ Delivery _____ Picked Up
		Arrive: _____ a.m./p.m. Depart: _____ a.m./p.m.			<input type="checkbox"/> - Yes <input type="checkbox"/> - No		_____ Delivery _____ Picked Up
		Arrive: _____ a.m./p.m. Depart: _____ a.m./p.m.			<input type="checkbox"/> - Yes <input type="checkbox"/> - No		_____ Delivery _____ Picked Up
		Arrive: _____ a.m./p.m. Depart: _____ a.m./p.m.			<input type="checkbox"/> - Yes <input type="checkbox"/> - No		_____ Delivery _____ Picked Up
		Arrive: _____ a.m./p.m. Depart: _____ a.m./p.m.			<input type="checkbox"/> - Yes <input type="checkbox"/> - No		_____ Delivery _____ Picked Up
		Arrive: _____ a.m./p.m. Depart: _____ a.m./p.m.			<input type="checkbox"/> - Yes <input type="checkbox"/> - No		_____ Delivery _____ Picked Up

Activity OPTIONS		TYPE OF PLACE OPTIONS		
(1) Base Location / Return to Base Location	(5) Maintenance (fuel, oil, etc.)	(1) Office Building (non-government)	(6) Education (college, trade)	(11) Warehouse
(2) Delivery	(6) Driver Needs (lunch, etc.)	(2) Retail / Shopping	(7) Government Office / Building	(12) Distribution Center
(3) Pick-up	(7) Service related business	(3) Industrial / Manufacturing	(8) Residential	(13) Construction Site
(4) Pick-up and Delivery	(8) Other (please specify)	(4) Medical / Hospital	(9) Airport	(14) Other (specify)
		(5) Education (12 <sup>th</sup> grade or less)	(10) Intermodal Facility	(99) Refused / Unknown

Record Type 21

**WORKPLACE VEHICLES OWNED/LEASED SURVEY – FORM F**  
**(continued)**

VEHICLE LICENSE #: \_\_\_\_\_

2006/2007 Austin Area Work Place Travel Survey Technical Summary

RECORD the following information about each place		What time did you arrive and depart this location? <small>(record exact times)</small>	Activity What are you doing at this location? <small>(see options on bottom of page 1)</small>	Type of Activity at This Location <small>(see options on bottom of page 1)</small>	Is this the work / base location for this vehicle?	Type of Cargo <small>(see options on bottom of page 1)</small>	Cargo Weight <small>(in pounds)</small>			
NAME of Place:	Address including city, state, and zip OR Nearest street intersection or Landmark									
<b>PLACE 16</b>		Arrive: _____ a.m./p.m. Depart: _____ a.m./p.m.			<input type="checkbox"/> - Yes <input type="checkbox"/> - No		_____ Delivery _____ Picked Up			
	<b>PLACE 17</b>		Arrive: _____ a.m./p.m. Depart: _____ a.m./p.m.			<input type="checkbox"/> - Yes <input type="checkbox"/> - No		_____ Delivery _____ Picked Up		
		<b>PLACE 18</b>		Arrive: _____ a.m./p.m. Depart: _____ a.m./p.m.			<input type="checkbox"/> - Yes <input type="checkbox"/> - No		_____ Delivery _____ Picked Up	
			<b>PLACE 19</b>		Arrive: _____ a.m./p.m. Depart: _____ a.m./p.m.			<input type="checkbox"/> - Yes <input type="checkbox"/> - No		_____ Delivery _____ Picked Up
				<b>PLACE 20</b>		Arrive: _____ a.m./p.m. Depart: _____ a.m./p.m.			<input type="checkbox"/> - Yes <input type="checkbox"/> - No	

Activity OPTIONS		TYPE OF PLACE OPTIONS		
(1) Base Location / Return to Base Location	(5) Maintenance (fuel, oil, etc.)	(1) Office Building (non-government)	(6) Education (college, trade)	(11) Warehouse
(2) Delivery	(6) Driver Needs (lunch, etc.)	(2) Retail / Shopping	(7) Government Office / Building	(12) Distribution Center
(3) Pick-up	(7) Service related business	(3) Industrial / Manufacturing	(8) Residential	(13) Construction Site
(4) Pick-up and Delivery	(8) Other (please specify)	(4) Medical / Hospital	(9) Airport	(14) Other (specify)
		(5) Education (12 <sup>th</sup> grade or less)	(10) Intermodal Facility	(99) Refused / Unknown



PART 2: Travel Log

THE PLACE MY TRAVEL BEGAN TODAY WAS:

At Work / Base Location?  - YES  - NO What Type of Place is This? (See Options Below) \_\_\_\_\_

\_\_\_\_\_  
 (Street address or nearest intersection for place travel began)  
 Month / Day

TRAVEL DATE \_\_\_\_\_

\_\_\_\_\_  
 p.m.  
 (City, state, zip code)

DEPARTURE TIME: \_\_\_\_\_ a.m.

When you left the above location was you vehicle:  Fully Loaded  Partially Loaded  Empty  
 If loaded, what is the weight of the cargo being transported? \_\_\_\_\_ (pounds/lbs.)

RECORD the following information about each place		What time did you arrive and depart this location? <small>(record exact times)</small>	Activity – What are you doing at this location? <small>(see options below)</small>	Is this the work / base location for this vehicle?	What type of place is this? <small>(see options below)</small>	Type of Cargo What is it?	Cargo Weight <small>(in pounds/lbs.)</small>
NAME of Place:	Address including city, state, and zip OR Nearest street intersection or Landmark						
<b>PLACE 1</b>		Arrive: _____ a.m./p.m. Depart: _____ a.m./p.m.		<input type="checkbox"/> - YES <input type="checkbox"/> - NO			_____ Picked-Up _____ Dropped-Off
		Arrive: _____ a.m./p.m. Depart: _____ a.m./p.m.		<input type="checkbox"/> - YES <input type="checkbox"/> - NO			_____ Picked-Up _____ Dropped-Off
		Arrive: _____ a.m./p.m. Depart: _____ a.m./p.m.		<input type="checkbox"/> - YES <input type="checkbox"/> - NO			_____ Picked-Up _____ Dropped-Off

ACTIVITY OPTIONS		TYPE OF PLACE OPTIONS		
(1) Base Location / Return to Base Location	(6) Driver Needs (lunch, etc.)	(1) Office Building	(6) Educational (college, trade)	(11) Warehouse
(2) Delivery	(7) Other	(2) Retail / Shopping	(7) Government Office/Building	(12) Distribution Center
(3) Pick-up	(8) To Home	(3) Industrial / Manufacturing	(8) Residential	(13) Construction Site
(4) Pick-up and Delivery	(9) Service Related (to job or work site)	(4) Medical / Hospital	(9) Airport	(14) Other (specify)
(5) Maintenance (fuel, oil, etc.)	(99) Refused / Unknown	(5) Education (12 <sup>th</sup> grade or less)	(10) Intermodal Facility	(99) Refused / Unknown

# COMMERCIAL VEHICLE TRAVEL SURVEY (con't.)

VEHICLE LICENSE #: \_\_\_\_\_

RECORD the following information about each place <i>NAME of Place:                      Address including city, state, and zip OR Nearest street intersection or Landmark</i>		What time did you arrive and depart this location? <small>(record exact times)</small>	Activity – What are you doing at this location? <small>(see options below)</small>	Is this the work / base location for this vehicle?	What type of place is this? <small>(see options below)</small>	Type of Cargo What is it?	Cargo Weight <small>(in pounds/lbs.)</small>
PLACE 4 PLACE 5 PLACE 6 PLACE 7 PLACE 8 PLACE 9		Arrive: _____ a.m./p.m.  Depart: _____ a.m./p.m.		<input type="checkbox"/> - YES  <input type="checkbox"/> - NO			_____ Picked-Up _____ Dropped-Off
		Arrive: _____ a.m./p.m.  Depart: _____ a.m./p.m.		<input type="checkbox"/> - YES  <input type="checkbox"/> - NO			_____ Picked-Up _____ Dropped-Off
		Arrive: _____ a.m./p.m.  Depart: _____ a.m./p.m.		<input type="checkbox"/> - YES  <input type="checkbox"/> - NO			_____ Picked-Up _____ Dropped-Off
		Arrive: _____ a.m./p.m.  Depart: _____ a.m./p.m.		<input type="checkbox"/> - YES  <input type="checkbox"/> - NO			_____ Picked-Up _____ Dropped-Off
		Arrive: _____ a.m./p.m.  Depart: _____ a.m./p.m.		<input type="checkbox"/> - YES  <input type="checkbox"/> - NO			_____ Picked-Up _____ Dropped-Off
		Arrive: _____ a.m./p.m.  Depart: _____ a.m./p.m.		<input type="checkbox"/> - YES  <input type="checkbox"/> - NO			_____ Picked-Up _____ Dropped-Off
		Arrive: _____ a.m./p.m.  Depart: _____ a.m./p.m.		<input type="checkbox"/> - YES  <input type="checkbox"/> - NO			_____ Picked-Up _____ Dropped-Off

ACTIVITY OPTIONS		TYPE OF PLACE OPTIONS		
(1) Base Location / Return to Base Location	(6) Driver Needs (lunch, etc.)	(1) Office Building	(6) Educational (college, trade)	(11) Warehouse
(2) Delivery	(7) Other	(2) Retail / Shopping	(7) Government Office/Building	(12) Distribution Center
(3) Pick-up	(8) To Home	(3) Industrial / Manufacturing	(8) Residential	(13) Construction Site
(4) Pick-up and Delivery	(9) Service Related (to job or work site)	(4) Medical / Hospital	(9) Airport	(14) Other (specify)
(5) Maintenance (fuel, oil, etc.)	(99) Refused / Unknown	(5) Education (12 <sup>th</sup> grade or less)	(10) Intermodal Facility	(99) Refused / Unknown

# COMMERCIAL VEHICLE TRAVEL SURVEY (con't.)

VEHICLE LICENSE #: \_\_\_\_\_

PLACE 10 PLACE 11 PLACE 12 PLACE 13 PLACE 14 PLACE 15

RECORD the following information about each place <i>NAME of Place:                      Address including city, state, and zip OR Nearest street intersection or Landmark</i>	What time did you arrive and depart this location? <small>(record exact times)</small>	Activity – What are you doing at this location? <small>(see options below)</small>	Is this the work / base location for this vehicle?	What type of place is this? <small>(see options below)</small>	Type of Cargo What is it?	Cargo Weight <small>(in pounds/lbs.)</small>
	Arrive: _____ a.m./p.m. Depart: _____ a.m./p.m.		<input type="checkbox"/> - YES <input type="checkbox"/> - NO			_____ Picked-Up _____ Dropped-Off
	Arrive: _____ a.m./p.m. Depart: _____ a.m./p.m.		<input type="checkbox"/> - YES <input type="checkbox"/> - NO			_____ Picked-Up _____ Dropped-Off
	Arrive: _____ a.m./p.m. Depart: _____ a.m./p.m.		<input type="checkbox"/> - YES <input type="checkbox"/> - NO			_____ Picked-Up _____ Dropped-Off
	Arrive: _____ a.m./p.m. Depart: _____ a.m./p.m.		<input type="checkbox"/> - YES <input type="checkbox"/> - NO			_____ Picked-Up _____ Dropped-Off
	Arrive: _____ a.m./p.m. Depart: _____ a.m./p.m.		<input type="checkbox"/> - YES <input type="checkbox"/> - NO			_____ Picked-Up _____ Dropped-Off
	Arrive: _____ a.m./p.m. Depart: _____ a.m./p.m.		<input type="checkbox"/> - YES <input type="checkbox"/> - NO			_____ Picked-Up _____ Dropped-Off

ACTIVITY OPTIONS		TYPE OF PLACE OPTIONS		
(1) Base Location / Return to Base Location	(6) Driver Needs (lunch, etc.)	(1) Office Building	(6) Educational (college, trade)	(11) Warehouse
(2) Delivery	(7) Other	(2) Retail / Shopping	(7) Government Office/Building	(12) Distribution Center
(3) Pick-up	(8) To Home	(3) Industrial / Manufacturing	(8) Residential	(13) Construction Site
(4) Pick-up and Delivery	(9) Service Related (to job or work site)	(4) Medical / Hospital	(9) Airport	(14) Other (specify)
(5) Maintenance (fuel, oil, etc.)	(99) Refused / Unknown	(5) Education (12 <sup>th</sup> grade or less)	(10) Intermodal Facility	(99) Refused / Unknown

# COMMERCIAL VEHICLE TRAVEL SURVEY (con't.)

VEHICLE LICENSE #: \_\_\_\_\_

	RECORD the following information about each place	What time did you arrive and depart this location?	Activity – What are you doing at this location?	Is this the work / base location for this vehicle?	What type of place is this?	Type of Cargo	Cargo Weight
	NAME of Place: Address including city, state, and zip OR Nearest street intersection or Landmark	(record exact times)	(see options below)		(see options below)	What is it?	(in pounds/lbs.)
PLACE 16		Arrive: _____ a.m./p.m. Depart: _____ a.m./p.m.		<input type="checkbox"/> - YES <input type="checkbox"/> - NO			Picked-Up Dropped-Off
PLACE 17		Arrive: _____ a.m./p.m. Depart: _____ a.m./p.m.		<input type="checkbox"/> - YES <input type="checkbox"/> - NO			Picked-Up Dropped-Off
PLACE 18		Arrive: _____ a.m./p.m. Depart: _____ a.m./p.m.		<input type="checkbox"/> - YES <input type="checkbox"/> - NO			Picked-Up Dropped-Off
PLACE 19		Arrive: _____ a.m./p.m. Depart: _____ a.m./p.m.		<input type="checkbox"/> - YES <input type="checkbox"/> - NO			Picked-Up Dropped-Off
PLACE 20		Arrive: _____ a.m./p.m. Depart: _____ a.m./p.m.		<input type="checkbox"/> - YES <input type="checkbox"/> - NO			Picked-Up Dropped-Off
PLACE 21		Arrive: _____ a.m./p.m. Depart: _____ a.m./p.m.		<input type="checkbox"/> - YES <input type="checkbox"/> - NO			Picked-Up Dropped-Off

ACTIVITY OPTIONS		TYPE OF PLACE OPTIONS		
(1) Base Location / Return to Base Location	(6) Driver Needs (lunch, etc.)	(1) Office Building	(6) Educational (college, trade)	(11) Warehouse
(2) Delivery	(7) Other	(2) Retail / Shopping	(7) Government Office/Building	(12) Distribution Center
(3) Pick-up	(8) To Home	(3) Industrial / Manufacturing	(8) Residential	(13) Construction Site
(4) Pick-up and Delivery	(9) Service Related (to job or work site)	(4) Medical / Hospital	(9) Airport	(14) Other (specify)
(5) Maintenance (fuel, oil, etc.)	(99) Refused / Unknown	(5) Education (12 <sup>th</sup> grade or less)	(10) Intermodal Facility	(99) Refused / Unknown

**APPENDIX B:  
ASCII FILE FORMATS**



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.

Field Columns

Item	Begin	End	Type	Format	Description
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. NAICS Code	11	16	Numeric RJ	I6	Industrial Classification of the establishment.
6. Survey Code	17	18	Numeric RJ	I2	Code indicating type of survey done. 1 – Full Survey and 2 – Partial Survey.
7. Establishment Type	19	20	Numeric RJ	I2	Code indicating the type of establishment: 1- free standing, 2- non-free standing.
8. Area Type	21	22	Numeric RJ	I2	Code indicating the area type where the establishment is located.
9. Employment Type	23	24	Numeric RJ	I2	Code indicating the type of employment at the establishment. See code descriptions.
10. Employment Type Other	25	54	Alphanum LJ	A30	If employment type is coded "Other," this field should contain a description of the type of employment at the establishment.
11. Name	55	84	Alphanum. LJ	A30	Name of establishment.
12. Address	85	144	Alphanum. LJ	A60	Address of establishment.
13. City	145	174	Alphanum. LJ	A30	City where establishment is located.
14. Zip Code	175	179	Numeric RJ	I5	Zip code for establishment's location.
15. Longitude	180	189	Numeric RJ	F10.0	Longitude of establishment's address. If unknown, it should be coded 888.8888.
16. Latitude	190	199	Numeric RJ	F10.0	Latitude of establishment's address. If unknown, it should be coded 888.8888.
17. Study Area ID	200	201	Alphanum. LJ	A2	Code indicating where establishment is located in study area. 'A' - Austin study area. 'S' – San Antonio study area. 'T' – county that is not in the study area, but within Texas.
18. Zone	202	206	Numeric RJ	I5	Zone where establishment is located.
19. Hours of Operation	207	208	Numeric RJ	I2	Number of hours in operation during a normal weekday.
20. Number of Vehicles	209	214	Numeric RJ	I6	Total number of vehicles entering and exiting the establishment during the 24 hours the travel survey was conducted.
21. Number of Persons	215	221	Numeric RJ	I7	Total number of persons counted entering and exiting the establishment during the 24 hours the travel survey was conducted.
22. Cargo Transport Vehicles	222	226	Numeric RJ	I5	Total number of commercial cargo transport vehicles counted entering and exiting the establishment during the 24 hours the travel survey was conducted.
23. Service Vehicles	227	231		I5	Total number of commercial service vehicles counted entering and exiting the establishment during the 24 hours the travel survey was conducted.
24. Total Employment	232	236	Numeric RJ	I5	Total number of persons (full and part time) employed at the establishment.
25. Employees at Work	237	241	Numeric RJ	I5	Total number of employees at work on day the travel survey was conducted.
26. Number of Shifts	242	243	Numeric RJ	I2	Number of work shifts at establishment.
27. Employees per Shift	244	248	Numeric RJ	I5	Number of employees per work shift.
28. Parking Spaces	249	254	Numeric RJ	I6	Number of parking spaces.
29. Parking Cost	255	261	Numeric RJ	F7.2	Cost per hour of parking.
30. Loading Docks	262	263	Numeric RJ	I2	Number of loading docks at establishment.
31. Deliveries	264	266	Numeric RJ	I3	Number of deliveries to establishment on day of travel survey.
32. Delivery Hours	267	269	Numeric RJ	I3	Hours allowed for deliveries.
33. Bus Routes	270	271	Numeric RJ	I2	Number of bus routes serving the establishment.
34. Number of Bus Stops	272	276	Numeric RJ	I5	Number of bus stops serving the establishment.
35. Cars Owned/Leased	277	281	Numeric RJ	I5	Number of cars owned or leased by establishment for business purposes.
36. Vans Owned/Leased	282	286	Numeric RJ	I5	Number of vans owned or leased by establishment for business purposes.
37. SUV's Owned/Leased	287	291	Numeric RJ	I5	Number of SUVs owned or leased by establishment for business purposes.
38. Pickup Trucks Owned / Leased	292	296	Numeric RJ	I5	Number of pickup trucks owned or leased by establishment for business purposes.
39. Cargo Transport Vehicles Owned / Leased	297	301	Numeric RJ	I5	Number of cargo transport vehicles owned or leased by establishment for business purposes.
40. Service Vehicles Owned / Leased	302	306	Numeric RJ	I5	Number of service vehicles owned or leased by establishment for business purposes.

Item 9. Employment Type

1 – Office (Non Government)	4 – Medical	7 – Government
2 – Retail / Restaurant	5 – Education – Day Care / K-12 <sup>th</sup>	8 – Not used
3 – Industrial / Manufacturing	6 – Education – College, trade, other	9 – Other
		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	Field Columns				Description
	Begin	End	Type	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	75	Alphanum. LJ	A60	Home street address or nearest intersection of the employee.
7. City	76	105	Alphanum. LJ	A30	City where employee lives.
8. Study Area County	106	107	Numeric RJ	I2	Code indicating study area county where employee lives. 1- Bexar, 2- Comal, 3- Guadalupe, 4- Kendall, 5- Wilson, 6- Travis, 7- Hays, 8- Williamson, 9- Bastrop, 10- Caldwell, 98 – Other, 99 – Refused.
9. Other County	108	122	Alphanum. LJ	A15	If county of residence is coded "Other" in item 8, this field should contain the name of the county where the person lives.
10. Zip Code	123	127	Numeric RJ	I5	Zip code where employee lives.
11. Study Zone ID.	128	128	Alphanum. LJ	A1	Code indicating study area where employee lives. 'A' - employee lives in Austin study area. 'S' – employee lives in San Antonio study area. 'T' – employee lives in county that is not in the study area, but within Texas. '9' – employee lives outside Texas.
12. Zone	129	133	Numeric RJ	I5	Zone where employee lives. Unknown zone numbers in a study area county should be coded 8888. Mexico locations should be coded 7777. External locations outside of a study area county but within Texas should be coded to the state zone number. External locations outside the study area but within Texas that are unknown should be coded 6666. External locations outside Texas and Mexico should be coded 9999.
13. Longitude	134	143	Numeric RJ	F10.0	Longitude of employee's home address. If address is in Mexico, this should be coded 777.7777. If address is outside Texas and not in Mexico, this should be coded 999.9999. If unknown but in the study area, it should be coded 888.8888. If unknown but in Texas, it should be coded 666.6666.
14. Latitude	144	153	Numeric RJ	F10.0	Latitude of employee's home address. If address is in Mexico, this should be coded 777.7777. If address is outside Texas and not in Mexico, this should be coded 999.9999. If unknown but in the study area, it should be coded 888.8888. If unknown but in Texas, it should be coded 666.6666.
15. Number of Persons	154	156	Numeric RJ	I3	Number of persons residing at employee's home address.
16. Number Employed	157	158	Numeric RJ	I2	Number of persons residing at employee's home address that are employed (including the person completing the form).
17. Blank	159	160	Numeric RJ		This field is blank.
18. Vehicles	161	162	Numeric RJ	I2	Number of vehicles available for use by members of employee's household.
19. Income	163	164	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	
5 - \$20,000 to \$24,999	11 - \$60,000 to \$74,999	
6 - \$25,000 to \$29,999	12 - \$75,000 to \$99,999	98 – Do Not Know
		99 – Refused

The previous 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>	Field Columns <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, or 4-No Response or Unknown.
10. Other Description	73	82	Alphanum. LJ	A10	Description of fuel used by vehicle if fuel type is coded "Other."
11. Vehicle Type	83	85	Numeric RJ	I3	Code indicating the type of vehicle. See code definitions below.
12. Other Vehicle Type	86	105	Alphanum. LJ	A20	If vehicle type is coded "Other," this field should contain the description of the vehicle type.
13. Beginning Mileage	106	113	Numeric RJ	I8	Odometer reading on vehicle at beginning of travel day.
14. Ending Mileage	114	121	Numeric RJ	I8	Odometer reading on vehicle at end of travel day.

Item 11. Vehicle Type

1. Motorcycle
2. Car
3. Van
4. Sport Utility Vehicle
5. Pickup Truck
6. Commercial Vehicle
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.

<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 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, the description would be the home.
8. Address	48	107	Alphanum. LJ	A60	Street address or nearest intersection of location.
9. City	108	137	Alphanum. LJ	A30	City of the location.
10. Zip Code	138	142	Numeric RJ	I5	Zip code for location.
11. Longitude	143	152	Numeric RJ	F10.0	Longitude of location. If address is outside study area but in Texas, this should be coded 666.6666. If unknown but in study area, it should be coded 888.8888. If outside Texas but not Mexico, it should be coded 999.9999. If in Mexico, it should be coded 777.7777.
12. Latitude	153	162	Numeric RJ	F10.0	Latitude of location. If address is outside study area but in Texas, this should be coded 666.6666. If unknown but in study area, it should be coded 888.8888. If outside Texas but not Mexico, it should be coded 999.9999. If in Mexico, it should be coded 777.7777.
13. Study Zone ID	163	163	Alphanum. LJ	A1	Code indicating study area of location. 'A' - in Austin study area; 'S' - in San Antonio study area; 'T' - in county that is not in the study area, but within Texas; 'or 9' - outside Texas.
14. Zone Number	164	168	Numeric RJ	I5	Zone number of location. Locations in Mexico should be coded 7777. Locations outside of study area county but within Texas should be coded to the state zone system. Unknown zone numbers within a study area county should be coded 8888. Unknown zone numbers outside of a study area county but within Texas should be coded 6666. Locations outside Texas and not in Mexico should be coded 9999.
15. Work Location	169	170	Numeric RJ	I2	Code indicating if this location is where the person normally works at or out of; 1-Yes, 2-No, or 99-Unknown / No Response.
16. Arrival Hour	171	173	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.
17. Arrival Minute	174	176	Numeric RJ	I3	Minute that employee arrived at this location. If this is trip number 0, this field should be blank.
18. Departure Hour	177	179	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.
19. Departure Minute	180	182	Numeric RJ	I3	Minute that employee departed this location. If this is the last location (i.e., trip), this field should be blank.
20. Activity Type	183	184	Numeric RJ	I2	Type of activity at this location. 0 - Residential, 1-Basic, 2- Retail, 3 - Services, and 4 - other.
21. Other Activity	185	199	Alphanum LJ	A15	Description of activity at location if activity type is coded 4- other.
22. Trip Purpose	200	201	Numeric RJ	I2	Code indicating purpose of trip. See definitions below. For trip number 0, this should be coded 1 if it began at home, 2 if it began at work, or 99 if it began at another location.
23. Other Purpose	202	216	Alphanum. LJ	A15	Description of trip purpose if purpose code is "other."
24. Mode	217	218	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>Format</u>	<u>Description</u>
25. Other Mode	219	233	Alphanum. LJ	A15	Description of mode of travel if mode is coded "Other."
26. Number People	234	235	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.
27. Vehicle Year	236	240	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.
28. Vehicle Make	241	265	Alphanum. LJ	A25	Make of vehicle used for trip.
29. Vehicle Model	266	290	Alphanum. LJ	A25	Model of vehicle used for trip.
30. Parking Cost	291	296	Numeric RJ	F6.2	Cost of parking if parking was paid.
31. Cost Basis	297	298	Numeric RJ	I2	Code indicating basis for parking cost; 1-Hourly, 2-Daily, 3-Monthly, or 4-Unknown / No Response.
32. Bus Fare	299	304	Numeric RJ	F6.2	Bus fare cost if trip was by bus.
33. Arrival Mode	305	306	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.
34. Other Arrival Mode	307	321	Alphanum. LJ	A15	Description of arrival mode of travel if arrival is coded "Other."

Item 20. Trip Purpose Codes

- 1 – Leave / 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 22. 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 Cargo Transport Vehicle
- 9 – Commercial Service Vehicle
- 10 – Motorcycle
- 11 – Other
- 99 – No Response

Item 31. 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.

Field Columns

<u>Item</u>	<u>Begin</u>	<u>End</u>	<u>Type</u>	<u>Format</u>	<u>Description</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 not located within a county in the 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 study area; 1-Yes, 2-No, or 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	160	Alphanum. LJ	A60	Address or nearest intersecting streets where person lives.
12. Home City	161	190	Alphanum. LJ	A30	City where person lives.
13. Home Zip	191	195	Alphanum. LJ	I5	Zip Code for person's home address.
14. Longitude	196	205	Numeric RJ	F10.0	Longitude of person's home address. If address is in Mexico, this should be coded 777.7777. If address is outside Texas, this should be coded 999.9999. If unknown but in study area, it should be coded 888.8888. If unknown but in Texas, it should be coded 666.6666.
15. Latitude	206	215	Numeric RJ	F10.0	Latitude of person's home address. If address is in Mexico, this should be coded 777.7777. If address is outside Texas, this should be coded 999.9999. If unknown but in study area, it should be coded 888.8888. If unknown but in Texas, it should be coded 666.6666.
16. Study Zone ID	216	216	Alphanum. LJ	A1	Code indicating study area of home location. 'A' - in Austin study area; 'S' - in San Antonio study area; 'T' - in county that is not in the study area, but within Texas; or '9' - outside Texas.
17. Zone	217	221	Numeric RJ	I5	Zone number where person lives. Locations in Mexico should be coded 7777. Locations outside of the study area but within Texas should be coded to the state zone system. Unknown zone numbers within a study area should be coded 8888. Unknown zone numbers outside of the study area but within Texas should be coded 6666. Locations outside Texas and not in Mexico should be coded 9999.
18. Origin Code	222	223	Numeric RJ	I2	Code indicating origin of trip; 1-Home, or 2-Other.
19. Origin Address	224	283	Alphanum. LJ	A60	Address, nearest street intersection, or placename of location that trip originated from (i.e., name, address, etc).
20. Origin City	284	313	Alphanum. LJ	A30	City of origin address.
21. Origin Zip	314	318	Numeric RJ	I5	Zip code of origin address.
22. Origin County	319	320	Numeric RJ	I2	Code indicating county origin is located. 1- Bexar, 2- Comal, 3- Guadalupe, 4- Kendall, 5- Wilson, 6- Travis, 7- Hays, 8- Williamson, 9- Bastrop, 10- Caldwell, 11-Other in Texas, 99-Outside Texas, 77-Mexico.

## 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> <u>Format</u>	<u>Description</u>
23. Longitude	321	330	Numeric RJ	F10.0	Longitude of location trip originated from. If location is in Mexico, this should be coded 777.7777. If location is outside Texas, this should be coded 999.9999. If unknown but in study area, it should be coded 888.8888. If unknown but in Texas, it should be coded 666.6666.
24. Latitude	331	340	Numeric RJ	F10.0	Latitude of location trip originated from. If location is in Mexico, this should be coded 777.7777. If location is outside Texas, this should be coded 999.9999. If unknown but in study area, it should be coded 888.8888. If unknown but in Texas, it should be coded 666.6666.
25. Study Zone ID	341	341	Alphanum. LJ	A1	Code indicating city of study area location. 'A' - in Austin study area; 'S' - in San Antonio study area; 'T' - in county that is not in the study area, but within Texas; or '9' - outside Texas
26. Origin Zone	342	346	Numeric RJ	I5	Zone where trip originated. Locations in Mexico should be coded 7777. Locations outside of the study area, but within Texas should be coded to the state zone system. Unknown zone numbers in a study area county should be coded 8888. Unknown zone numbers outside of the study area but within Texas should be coded 6666. Locations outside Texas and not in Mexico should be coded 9999.
27. Entry Facility	347	376	Alphanum. LJ	A30	If origin is outside of a study area county, this field should contain the name of the bridge, street, or highway used to enter the study area.
28. Entry External Zone	377	381	Numeric RJ	I5	If origin is outside of the study area, this field should contain the external station number associated with the bridge, street, or highway used to enter the study area.
29. Arrival Hour	382	384	Numeric RJ	I3	Hour person arrived at this site. This hour should be in terms of military time.
30. Arrival Minute	385	387	Numeric RJ	I3	Minute person arrived at this site.
31. Mode	388	389	Numeric RJ	I2	Code indicating mode of travel to this location. See definitions below.
32. Other Mode	390	399	Alphanum. LJ	A10	If mode is coded "other," this field should contain a description of the mode given.
33. Number Persons	400	401	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.
34. Bus Fare	402	407	Numeric RJ	F6.2	If mode of travel was bus, this is the bus fare paid.
35. Trip Purpose	408	409	Numeric RJ	I2	Code indicating purpose of trip. See code definitions below.
36. Other Purpose	410	419	Alphanum. LJ	A10	If purpose is coded "Other," this contains description of purpose given.
37. Depart Destination	420	421	Numeric RJ	I2	Code indicating destination when person departs from this site; 1-Home, or 2-Other.
38. Destination Adresses	422	481	Alphanum. LJ	A60	Address, nearest street intersection, or placename of destination location where person is going.
39. Destination City	482	511	Alphanum	A30	City of destination address.
40. Destination Zip	512	516	Numeric RJ	I5	Zip Code of destination address.
41. Destination County	517	518	Numeric RJ	I2	Code indicating county destination is located. 1- Bexar, 2- Comal, 3- Guadalupe, 4- Kendall, 5- Wilson, 6- Travis, 7- Hays, 8- Williamson, 9- Bastrop, 10- Caldwell 11-Other in Texas, 99-Outside Texas, 77-Mexico.
42. Destination Longitude	519	528	Numeric RJ	F10.0	Longitude of destination location. If location is in Mexico, this should be coded 777.7777. If location is outside Texas, this should be coded 999.9999. If unknown but in study area, it should be coded 888.8888. If unknown but in Texas, it should be coded 666.6666.
43. Destination Latitude	529	538	Numeric RJ	F10.0	Latitude of destination location. If address is in Mexico, this should be coded 777.7777. If address is outside Texas, this should be coded 999.9999. If unknown but in study area, it should be coded 888.8888. If unknown but in Texas, it should be coded 666.6666.

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

<u>Item</u>	<u>Begin</u>	<u>End</u>	<u>Field Columns</u>		<u>Description</u>
			<u>Type</u>	<u>Format</u>	
44. Study Zone ID	539	539	Alphanum. LJ	A1	Code indicating city of study area destination. 'A' - in Austin study area; 'S' - in San Antonio study area; 'T' - in county that is not in the study area, but within Texas; or '9' - outside Texas
45. Destination Zone	540	544	Numeric RJ	I5	Zone where individual is going when they leave this location. Locations in Mexico should be coded 7777. Locations not in a study area county, but within Texas should be coded to the state zone system. Unknown zone numbers in a study area county should be coded 8888. Unknown zone numbers not in a study area county but within Texas should be coded 6666. Locations outside Texas and not in Mexico should be coded 9999.
46. Exit Facility	545	574	Alphanum. LJ	A30	If destination is outside of the study area, this field should contain the name of the bridge, street, or highway used to enter the study area.
47. Exit External Zone	575	579	Numeric RJ	I5	If destination is outside of a study area county this field should contain the external station number associated with the bridge, street, or highway used to enter the study area.
48. Household Size	580	582	Numeric RJ	I3	Number of persons living at person's home address.
49. Vehicles Available	583	584	Numeric RJ	I2	Number of vehicles available to persons in household.
50. Income	585	586	Numeric RJ	I2	Code indicating household income. See code definitions.
51. Form Number	587	592	Numeric RJ	I6	Survey form number which contains raw survey data.
52. Hour	593	595	Numeric RJ	I3	Hour survey was done in military time.
53. Minute	596	598	Numeric RJ	I3	Minute survey was done.
54. Interviewer	599	628	Alphanum. LJ	A30	Name of person conducting interview.

Item 28. 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 Cargo Transport Vehicle
- 9 - Commercial Service Vehicle
- 10 - Motorcycle
- 11 - Other
- 99 - No Response

Item 32. 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 - No Response

Item 43. 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 |                             |
| 5 - \$20,000 to \$24,999 | 11 - \$60,000 to \$74,999 |                             |
| 6 - \$25,000 to \$29,999 | 12 - \$75,000 to \$99,999 |                             |
|                          |                           | 98 - Don't Know             |
|                          |                           | 99 - Refused                |

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.

Field Columns

<u>Item</u>	<u>Begin</u>	<u>End</u>	<u>Type</u>	<u>Format</u>	<u>Description</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, or 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 study area; 1-Yes, 2-No, or 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	160	Alphanum. LJ	A60	Address or nearest intersecting streets where person lives.
12. Home City	161	190	Alphanum. LJ	A30	City where person lives.
13. Home Zip	191	195	Alphanum. LJ	I5	Zip code of address where person lives.
14. Longitude	196	205	Numeric RJ	F10.0	Longitude of person's home address. If address is in Mexico, this should be coded 777.7777. If address is outside Texas, this should be coded 999.9999. If unknown but in study area, it should be coded 888.8888. If unknown but in Texas, it should be coded 666.6666.
15. Latitude	206	215	Numeric RJ	F10.0	Latitude of person's home address. If address is in Mexico, this should be coded 777.7777. If address is outside Texas, this should be coded 999.9999. If unknown but in study area, it should be coded 888.8888. If unknown but in Texas, it should be coded 666.6666.
16. Study Zone ID	216	216	Alphanum. LJ	A1	Code indicating city of study area location. 'A' - in Austin study area; 'S' - in San Antonio study area; 'T' - in county that is not in the study area, but within Texas; or '9' - outside Texas.
17. Zone	217	221	Numeric RJ	I5	Zone number where person lives. Locations in Mexico should be coded 7777. Locations not in a study area county, but within Texas should be coded to the state zone system. Unknown zone numbers in a study area county should be coded 8888. Unknown zone numbers outside of the study area, but within Texas should be coded 6666. Locations outside Texas and not in Mexico should be coded 9999.
18. Origin Code	222	223	Numeric RJ	I2	Code indicating origin of trip; 1-Home, or 2-Other.
19. Origin Address	224	283	Alphanum. LJ	A60	Address, nearest intersecting street, or placename of location that trip originated from.
20. Origin City	284	313	Alphanum LJ	A30	City of origin address.
21. Origin Zip	314	318	Alphanum RJ	I5	Zip code of origin address.
22. Origin County	319	320	Numeric RJ	I2	Code indicating county origin is located. 1- Bexar, 2- Comal, 3- Guadalupe, 4- Kendall, 5- Wilson, 6- Travis, 7- Hays, 8- Williamson, 9- Bastrop, 10- Caldwell, 11-Other in Texas, 99-Outside Texas, or 77-Mexico.

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

Item	Field Columns				Description
	Begin	End	Type	Format	
23. Longitude	321	330	Numeric RJ	F10.0	Longitude of location trip originated from. If location is in Mexico, this should be coded 777.7777. If location is outside Texas, this should be coded 999.9999. If unknown but in study area, it should be coded 888.8888. If unknown but in Texas, it should be coded 666.6666.
24. Latitude	331	340	Numeric RJ	F10.0	Latitude of location trip originated from. If location is in Mexico, this should be coded 777.7777. If location is outside Texas, this should be coded 999.9999. If unknown but in study area, it should be coded 888.8888. If unknown but in Texas, it should be coded 666.6666.
25. Study Zone ID	341	341	Alphanum. LJ	A1	Code indicating city of study area trip origin. 'A' - in Austin study area; 'S' - in San Antonio study area; 'T' - in county that is not in the study area, but within Texas; or '9' - outside Texas.
26. Origin Zone	342	346	Numeric RJ	I5	Zone where trip originated. Locations in Mexico should be coded 7777. Locations outside of the study area but within Texas should be coded to the state zone system. Unknown zone numbers in a study area county should be coded 8888. Unknown zone numbers not in a study area county but within Texas should be coded 6666. Locations outside Texas and not in Mexico should be coded 9999.
27. Entry Facility	347	376	Alphanum. LJ	A30	If origin is outside the study area, this field should contain the name of the bridge, street, or highway used to enter the study area.
28. Entry External Zone	377	381	Numeric RJ	I5	If origin is not in a study area county this field should contain the external station number associated with the bridge, street, or highway used to enter the study area.
29. Arrival Hour	382	384	Numeric RJ	I3	Hour person arrived at this site. This hour should be in terms of military time.
30. Arrival Minute	385	387	Numeric RJ	I3	Minute person arrived at this site.
31. Mode	388	389	Numeric RJ	I2	Code indicating mode of travel to this location. See definitions below.
32. Other Mode	390	399	Alphanum. LJ	A10	If mode is coded "other," this field should contain a description of the mode given.
33. Number Persons	400	401	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.
34. Bus Fare	402	407	Numeric RJ	F6.2	If mode of travel was bus, this is the bus fare paid.
35. Trip Purpose	408	409	Numeric RJ	I2	Code indicating purpose of trip. See code definitions below.
36. Other Purpose	410	419	Alphanum. LJ	A10	If purpose is coded "Other," this contains description of purpose given.
37. First Store	420	421	Numeric RJ	I2	Code indicating if this store/establishment is the first visited in the center since arriving; 1-Yes, 2-No, or 99-Refused / Unknown.
38. Number Visited	422	423	Numeric RJ	I2	Number of stores / establishments visited in this center.
39. More Visits	424	425	Numeric RJ	I2	Number of stores / establishments in this center person plans on visiting during this trip.
40. Depart Destination	426	427	Numeric RJ	I2	Code indicating destination when person departs from this site; 1-Home, or 2-Other.
41. Destination Address	428	487	Alphanum. LJ	A60	Address, nearest intersection, or placename of location where person is going.
42. Destination City	488	517	Alphanum LJ	A30	City of destination address.
43. Destination Zip	518	522	Numeric RJ	I5	Zip code of destination address.
44. Destination County	523	524	Numeric RJ	I2	Code indicating county destination is located. 1- Bexar, 2- Comal, 3- Guadalupe, 4- Kendall, 5- Wilson, 6- Travis, 7- Hays, 8- Williamson, 9- Bastrop, 10- Caldwell 11-Other in Texas, 99-Outside Texas, or 77-Mexico.
45. Destination Longitude	525	534	Numeric RJ	F10.0	Longitude of destination location. If location is in Mexico, this should be coded 777.7777. If location is outside Texas, this should be coded 999.9999. If unknown but in study area, it should be coded 888.8888. If unknown but in Texas, it should be coded 666.6666.

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> <u>Format</u>	<u>Description</u>
46. Destination Latitude	535	544	Numeric RJ	F10.0	Latitude of destination location. If address is in Mexico, this should be coded 777.7777. If address is outside Texas, this should be coded 999.9999. If unknown but in the study area, it should be coded 888.8888. If unknown but in Texas, it should be coded 666.6666.
47. Study Zone ID	545	545	Alphanum. LJ	A1	Code indicating city of study area trip destination. 'A' - in Austin study area; 'S' - in San Antonio study area; 'T' - in county that is not in the study area, but within Texas; or '9' - outside Texas
48. Destination Zone	546	550	Numeric RJ	I5	Zone where individual is going when they leave this location. Locations in Mexico should be coded 7777. Locations outside of the study area but within Texas should be coded to the state zone system. Unknown zone numbers in a study area county should be coded 8888. Unknown zone numbers outside of the study area but within Texas should be coded 6666. Locations outside Texas and not in Mexico should be coded 9999.
49. Exit Facility	551	580	Alphanum. LJ	A30	If destination is outside of the study area, this field should contain the name of the bridge, street, or highway used to enter the study area
50. Exit External Zone	581	585	Numeric RJ	I5	If destination is outside of a study area county this field should contain the external station number associated with the bridge, street, or highway used to enter the study area.
51. Household Size	586	588	Numeric RJ	I3	Number of persons living at person's home address.
52. Vehicles Available	589	590	Numeric RJ	I2	Number of vehicles available to persons in household.
53. Income	591	592	Numeric RJ	I2	Code indicating household income. See code definitions.
54. Form Number	593	598	Numeric RJ	I6	Survey form number which contains raw survey data.
55. Hour	599	601	Numeric RJ	I3	Hour survey was done in military time.
56. Minute	602	604	Numeric RJ	I3	Minute survey was done.
57. Interviewer	605	634	Alphanum. LJ	A30	Name of person conducting interview.

Item 28. 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 Cargo Transport Vehicle
- 9 - Commercial Service Vehicle
- 10 - Motorcycle
- 11 - Other
- 99 - No Response

Item 32. 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 - No Response

Item 46. 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 Vehicles Owned/Leased Survey**  
Part 1 - Vehicle Information (Record Type 20)

This file will contain general information for each vehicle included in the vehicle survey. Data for each vehicle surveyed will be recorded using the following ASCII format.

<u>Item</u>	<u>Begin</u>	<u>End</u>	<u>Type</u>	<u>Format</u>	<u>Description</u>
1. Record Type	1	2	Numeric RJ	I2	Code which indicates the type of record, here it should be 20.
2. Vehicle ID Number	3	5	Numeric RJ	I3	Unique identification number assigned to vehicle for survey purposes.
3. Vehicle License Num.	6	15	Alphanum. LJ	A10	License number of the vehicle being surveyed.
4. Month	16	17	Numeric RJ	I2	Month of vehicle travel day.
5. Day	18	19	Numeric RJ	I2	Day of the month of vehicle travel day.
6. Name	20	49	Alphanum. LJ	A30	Name of the company or proprietor to which the vehicle is registered.
7. Address	50	109	Alphanum. LJ	A60	Address of the company/proprietor to which the vehicle is registered.
8. City	110	139	Alphanum. LJ	A30	City of the company/proprietor address.
9. Zip	140	144	Integer	I5	Zip Code of the company/proprietor address.
10. SIC Code	145	150	Numeric RJ	I6	Four digit Standard Industrial Classification of the business at the base location.
11. Study Zone ID	151	151	Alphanum.LJ	A1	Code indicating city of study area location. 'A' - in Austin study area; 'S' - in San Antonio study area; 'T' - in county that is not in the study area, but within Texas; or '9' - outside Texas.
12. Zone	152	156	Numeric RJ	I5	Zone where base is located. Unknown zones should be coded 8888.
13. Longitude	157	166	Numeric RJ	F10.6	Longitude of the base location. Unknown longitudes should be coded 888.8888.
14. Latitude	167	176	Numeric RJ	F10.6	Latitude of the base location. Unknown latitudes should be coded 888.8888.
15. Make of Vehicle	177	201	Alphanum. LJ	A25	Make of vehicle.
16. Model of Vehicle	202	226	Alphanum. LJ	A25	Model of vehicle.
17. Year of Vehicle	227	230	Numeric RJ	I4	Year vehicle was manufactured. Unknown years should be coded 9999.
18. Vehicle Fuel Type	231	232	Numeric RJ	I2	Type of fuel used by vehicle. 1 - Unleaded Gas; 2 - Diesel; 3 - Propane; or 4 - Other.
19. Fuel Type Other	233	242	Alphanum. LJ	A10	If item 15 is coded "Other," this is a description of the type of fuel. Otherwise this field is blank.
20. Vehicle Class.	243	244	Numeric RJ	I2	Code indicating the classification of the vehicle. See below for code descriptions.
21. Other Vehicle	245	264	Alphanum. LJ	A20	If item 17 is coded "Other," this field should contain a description of the vehicle. Otherwise this field is blank.
22. Vehicle Type	265	266	Numeric RJ	I2	Code indicating type of commercial vehicle. 1 is used for cargo and / or freight transport and 2 is used for service vehicles.
23. Gross Veh. Weight	267	272	Numeric RJ	I6	Gross weight of the vehicle or total gross weight of the vehicle / trailer combination.
24. Odometer	273	279	Numeric RJ	I7	Odometer mileage on the vehicle at the beginning of the survey day. Refusals or unknown values should be coded 9999999.
25. More Trips	280	283	Numeric RJ	I4	Total number of trips made by vehicle on its survey day including any additional trips made but not recorded in diary due to lack of space.

The above record will be followed by the records containing the trip diary information for the commercial vehicle.

Item 17: Vehicle Classification Codes

1. Passenger car
2. Pick-up Truck
3. Van (Passenger or Mini)
4. Sport Utility Vehicle (SUV)
- 5 - Single Unit 2-axle (6 wheels)
- 6 - Single Unit 3-axle (10 wheels)
- 7 - Single Unit 4-axle (14 wheels)
- 8 - Semi (all Tractor-Trailer Combinations)
- 9 - Other

**Austin San Antonio Work Place Travel Survey**  
Workplace Vehicles Owned/Leased Survey, Trip Information (Record Type 21)

This file will contain trip information for each vehicle included in the commercial vehicle survey. Data for each commercial vehicle surveyed will be recorded using the following ASCII format.

Item	Begin	End	Type	Field Columns	
				Format	Description
1. Record Type	1	2	Numeric RJ	I2	Code which indicates the type of record, here it should be 21.
2. Veh. ID Number	3	5	Numeric RJ	I3	Unique identification number assigned to vehicle for survey purposes. Must match the number used in data format for record type 20.
3. Veh. Lic. Number	6	15	Alphanum LJ	A10	License number of the vehicle being surveyed.
4. 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.
5. Location	18	47	Alphanum LJ	A30	Name or description of location.
6. Address	48	107	Alphanum. LJ	A60	Address or nearest street intersection, or placename first of the location.
7. City	108	137	Alphanum. LJ	A30	City corresponding to the address.
8. Zip	138	142	Numeric RJ	I5	Zip code for the address.
9. Study Zone ID	143	143	Numeric RJ	I1	Code indicating city of study area location. 'A' - in Austin study area; 'S' - in San Antonio study area; 'T' - in county that is not in the study area, but within Texas; or '9' - outside Texas
10. Zone	144	148	Numeric RJ	I5	Zone number of location. Unknown zones in study area should be coded 8888. Locations in Mexico should be coded 7777. Locations outside study area but within Texas should be coded to the state zone system. Locations outside of study area but within Texas that cannot be geocoded should be coded 6666. Locations outside of Texas should be coded 9999.
11. Longitude	149	158	Numeric RJ	F10.6	Longitude of location. Unknown longitudes in study area should be coded 888.8888. Longitudes for locations in Mexico should be coded 777.7777. Longitudes for locations outside Texas should be coded 999.9999. Unknown locations outside study area but in Texas should be coded 666.6666.
12. Latitude	159	168	Numeric RJ	F10.6	Latitude of location. Unknown latitudes in study area should be coded 888.8888. Latitudes for locations in Mexico should be coded 777.7777. Latitudes for locations outside Texas should be coded 999.9999. Unknown locations outside study area but in Texas should be coded 666.6666.
13. Work Indicator	169	170	Numeric RJ	I2	Code indicating if this location is base location for the vehicle. 1 - Yes, or 2 - No.
14. County Indicator	171	172	Numeric RJ	I2	Code indicating the county the address is located. 1- Bexar, 2- Comal, 3- Guadalupe, 4- Kendall, 5- Wilson, 6- Travis, 7- Hays, 8- Williamson, 9- Bastrop, 10- Caldwell, 98 - Other, or 99 - Refused.
15. Arrival Hour	173	174	Numeric RJ	I2	Hour that the vehicle arrived at this location. This hour should be in military format. For trip 0, this field should be blank.
16. Arrival Minute	175	176	Numeric RJ	I2	Minute that the vehicle arrived at this location. For trip 0, this field should be blank.
17. Departure Hour	177	178	Numeric RJ	I2	Hour that the vehicle departed this location. This hour should be in military format. If this is the last trip, this field should be blank.
18. Departure Minute	179	180	Numeric RJ	I2	Minute that the vehicle departed this location. If this is the last trip, this field should be blank.
19. Type of Place/Activity	181	182	Numeric RJ	I2	Code indicating the type of place at this location. See activity code descriptions below.
20. Other Place	183	202	Alphanum. LJ	A20	If the type of place is coded "Other," this field should contain the description of the land use activity at this location.
21. Trip Purpose	203	204	Numeric RJ	I2	Code indicating purpose of trip. See definitions below. For place number 0 (first trip), this should be coded 1 if it began at the base location, 6 if it began at home, or 7 if it began at another location.
22. Other Purpose	205	224	Alphanum. LJ	A20	If trip purpose is coded "Other," this field should contain the description of the trip purpose given.

Workplace Vehicles Owned/Leased Survey, Trip Information (Record Type 21) - Continued

<u>Item</u>	<u>Begin</u>	<u>End</u>	<u>Type</u>	<u>Field Columns</u>		<u>Description</u>
				<u>Format</u>		
23. Cargo	225	226	Numeric RJ	I2		Code indicating the cargo picked up or delivered at this location. S The vendor shall code survey responses according to the cargo classifications provided below. If no cargo was picked up or delivered at this location, code 21 should be entered.
24. Other Cargo	227	256	Alphanum. LJ	A30		If item 22 is coded 22, this field should contain a description of the cargo. Otherwise this field is blank.
25. Load	257	258	Numeric RJ	I2		Code indicating if vehicle is partially or fully loaded when leaving initial location. Use 1 if fully loaded; 2 if partially loaded; or 3 if empty. This field is coded only for trip 0
26. Initial cargo weight	259	264	Numeric RJ	I6		Weight of cargo in pounds being carried when leaving initial location. This field is coded only for trip 0.
27. Delivery cargo weight	265	270	Numeric RJ	I6		Weight of cargo in pounds being delivered. This field is blank for trip 0.
28. Pick Up cargo weight	271	276	Numeric RJ	I6		Weight of cargo in pounds being picked up. This field is blank for trip 0.

Item 17: Activity Codes

- 1 – Office Building (Non Government)
- 2 – Retail / Shopping
- 3 – Industrial / Manufacturing Site
- 4 – Medical / Hospital
- 5 – Educational (12th Grade or less)
- 6 – Educational (College, Trade, etc.)
- 7 – Government Office / Building
- 8 – Residential
- 9 – Airport
- 10 – Intermodal Facility
- 11 – Warehouse
- 12 – Distribution Center
- 13 – Construction Site
- 14 – Other
- 99 – Refused / Unknown

Item 19: Trip Purpose Codes

- 1 – Base Location / Return to Base Location
- 2 - Delivery
- 3 – Pick-up
- 4 – Delivery and Pick Up
- 5 – Maintenance (fuel, oil, etc.)
- 6 – Driver Needs (lunch, etc.)
- 7 – To Home
- 8 – Buy Gas/Fuel
- 9 – Service Related
- 10 - Other
- 99 – Refused / Unknown

	<u>Item 24: Cargo Classifications</u>	<u>Cargo Descriptions</u>
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 / Equipment	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 and other transport vehicles
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)