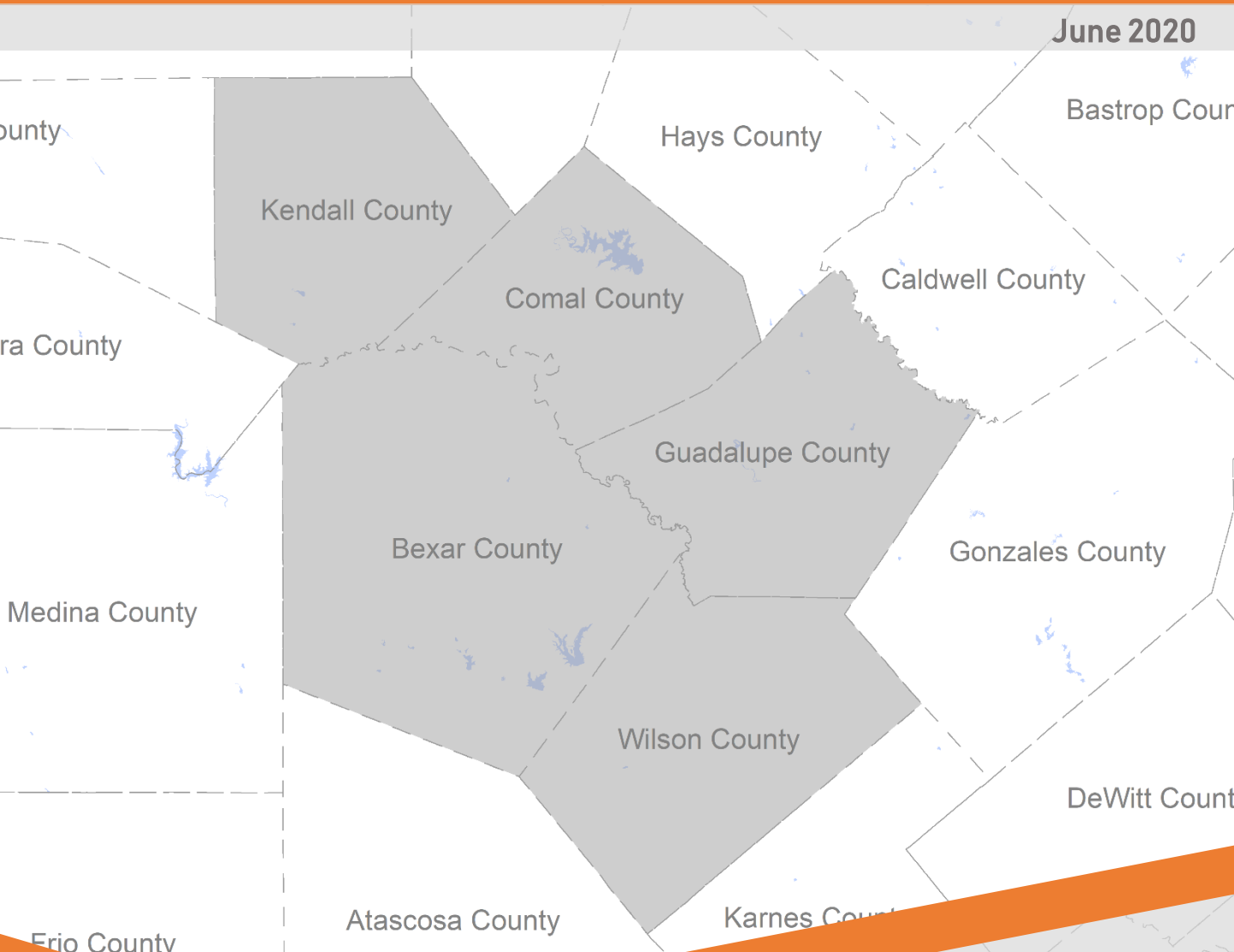


2017 SAN ANTONIO WORKPLACE AND SPECIAL GENERATOR TRAVEL SURVEY

Technical Summary



June 2020



Prepared by the
Texas A&M Transportation Institute



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**2017/2018 San Antonio
Workplace and Special Generator
Travel Survey**

TECHNICAL SUMMARY

Texas Department of Transportation Travel Survey Program

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June 2020

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INTRODUCTION

In 2017 the Transportation Planning and Programming (TPP) Division of the Texas Department of Transportation (TxDOT) funded the San Antonio Workplace and Special Generator Survey. The purpose of the survey was to collect data on the travel characteristics of employees and non-employees at basic, retail, service, and education establishments. These data will enable TxDOT, in cooperation with the Alamo Area Metropolitan Planning Organization (AAMPO) to develop and/or update trip attraction models to forecast travel demand within the San Antonio study area.

Figure 1 shows the San Antonio workplace survey area. The study area is located in south central Texas, which covers five counties – Bexar, Comal, Guadalupe, Kendall, and Wilson. Based on 2018 estimates by the U.S. Census Bureau, the 5-county study area has a total population of 2.45 million and a total land area of 5,302 square miles. The principal city is San Antonio, which has a total population of 1.53 million and a total land area of 461 square miles.

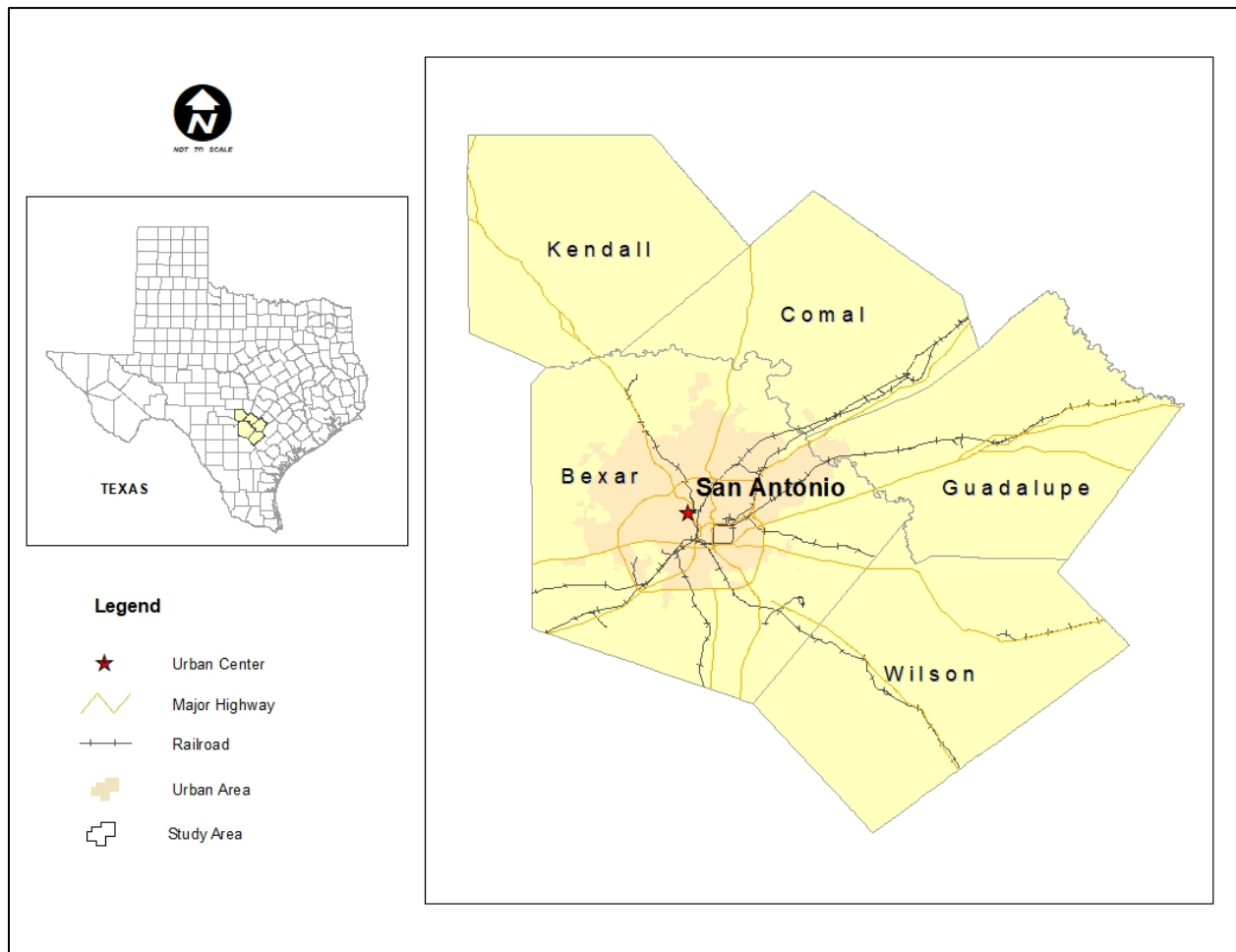


Figure 1. San Antonio Workplace Survey Area.

SURVEY METHODOLOGY

The San Antonio workplace survey was conducted during the period of August 2017 through February 2018. TxDOT contracted with GRAM Traffic Counting Inc. (GRAM) to conduct the surveys. The Texas A&M Transportation Institute (TTI) provided technical assistance to both TxDOT and GRAM.

The San Antonio workplace survey consisted of the following data collection efforts. The surveyed establishments were classified as either full survey sites or partial survey sites, and distinguished according to their free standing or non-free standing status. Partial surveys did not include intercept surveys.

- *Establishment Survey*. This survey determined whether the workplace was free standing (e.g., points of vehicle access and parking were clearly established and were designed to serve that workplace only), or non-free standing (e.g., vehicle access points and parking were designed to serve more than one establishment). Data on total employment, number of employees at work during the travel survey day, amount of parking, number of daily deliveries, hours of operation, and other general information were collected in this survey.
- *Intercept Interview Survey*. This survey involved an intercept interview of persons as they entered and/or exited the establishments. All survey participants were randomly selected, including both employees and non-employees.
- *Person or Vehicle Count*. This task involved counting all vehicles entering and exiting surveyed establishments during their normal operating hours using Accumulative Count Recorders (ACRs) in addition to video cameras. For those sites not suitable for vehicle counts, person counts were conducted using video cameras and manual counts. The counts were performed at each entrance and exit beginning a minimum of one hour prior to the location's normal operating hours and ending no later than one hour after normal operating hours.
- *School Count*. This task included the option to use an alternative person-count methodology to help address the potential difficulty of accurately counting individual students as they enter and leave the premises in groups, to alleviate the concerns of school officials regarding unknown adults stationed in areas frequented by students, and to avoid vehicle counts that may be inaccurate due to the prevalence of walk and bike trips to/from some schools. Person counts may be obtained from the principal's office or other school administrator if the total number of individuals (employees plus students plus any other visitors) is recorded by the school on the survey day. This person count total should be multiplied by two to reflect the "in" and "out" counts that would normally be conducted at the school. This count methodology was not employed in the San Antonio workplace survey. School bus and commercial vehicles counts were manually conducted to ensure being captured at schools.

- *Commercial Vehicle (CV) Count.* This task involved counting the number of CVs accessing the establishment (i.e., making deliveries or pick-ups or other purposes) using ACRs, video cameras, or manual counts.

SAMPLING PLAN AND RECRUITMENT

The sampling plan was developed based on the establishment data available from the Texas Workforce Commission (TWC), and the North American Industry Classification System (NAICS) code groupings shown in Table 1.

Table 1. NAICS Groupings by Employment Type.

Employment Type	NAICS Code	Industry Group
Basic	11	Agriculture, Forestry, Fishing, and Hunting
	21	Mining
	22	Utilities
	23	Construction
	31-33	Manufacturing
	42	Wholesale Trade
	48-49	Transportation and Warehousing (except 491)
	5111	Newspaper Publishers/Book Publishers/Directory Publishers
	5112	Software Publishers
	512	Motion Picture and Sound Recording (except 51213)
	5151	Radio and TV Broadcasting
	5152	TW Cable
	5173	Telecommunications Resellers
	5174	Satellite Network
5175	Cable and Other Program Distribution	
Retail	44-45	Retail Trade
	51213	Motion Picture Theaters
	71	Arts, Entertainment, and Recreation
	722	Accommodation (except Hotels) and Food Services
	491	Post Offices
Service	516 - 5172	Internet Publishing and Telecommunications
	5179	Other Telecommunications
	518 - 519	Internet Service Providers and News Syndicates
	52	Finance and Insurance
	53	Real Estate, Rental, and Leasing
	54	Professional, Scientific, and Technical Services
	55-56	Company Management and Administrative Support
	6114-6116	Business, Technical, Trade, and Other Schools
	6117	Educational Support Services
	62	Health Care and Social Assistance (including Hospitals)
	721	Accommodation (Hotels)
	81	Other Service, Repair, and Maintenance
92	Public Administration (including Justice, Public Order and Safety, i.e., Police, Fire, and Courts)	
9999	Unknown	
Education	6111	Elementary and Secondary Schools
	6112-6113	Jr. Colleges, Colleges, Universities, and Professional Schools

Source: TxDOT, 2004.

The San Antonio workplace sampling plan sought to obtain 200 full surveys and 200 partial surveys. Table 2 shows the sampling targets by employment category and survey type.

Table 2. Sampling Targets by Employment Category and Survey Type.

Employment Category	Full Survey	Partial Survey	All Surveys
Basic	40	40	80
Retail	70	70	140
Service	60	60	120
Education	30	30	60
Total	200	200	400
Special Generators	6	-	6

The survey sample was drawn from a listing of establishments generated from the InfoGroup database that consisted of 1,234 basic, 2,715 retail, 3,438 service, and 804 education establishments. The listing included the name, address, and NAICS code of the establishment. Each business was placed in random order for sampling. The recruitment process involved contacting the businesses from each employment category in the randomized order that they appeared on the list. Businesses were verified and tracked based on their willingness to participate to a full or partial survey.

SURVEY RESULTS

Table 3 provides the actual distribution full and partial surveys by employment category and establishment type, slightly different from the sampling targets. There were 17 establishments that were surveyed in two counties – Medina and Atascosa. These sites were excluded from the analysis as they are located outside the AAMPO TAZ boundary, and important information on employment, area types, and zones for these establishments are not readily available.

Table 3. Distribution of Surveys by Employment Category and Establishment Type.

Employment Category	Full Survey			Partial Survey			All Surveys		
	FS ¹	NFS ¹	Total	FS ¹	NFS ¹	Total	FS ¹	NFS ¹	Total
Basic	18	21	39	25	14	39	43	35	78
Retail	20	47	67	28	40	68	48	87	135
Service	26	34	60	33	27	60	59	61	120
Education	21	5	26	28	1	29	49	6	55
Total	85	107	192	114	82	196	199	189	388

¹ FS - Free Standing, NFS – Non-Free Standing.

The full surveys consisted of 85 free standing and 107 non-free standing establishments that reported a total employment of 3,899. A total of 1,993 employees and 3,900 non-employees (referred to in this report as visitors) participated in the intercept surveys. The surveyed employees represented approximately 58 percent of the total 3,439 employees estimated to be at work during the travel survey day.

The partial survey sites consisted of 114 free standing and 82 non-free standing establishments that reported a total employment of 5,333, of which 4,305 employees were estimated to be at work during the travel survey day. No intercept surveys were conducted at these sites, but general information about the establishments was collected.

The survey area consisted of five area types - Central Business District (CBD), CBD Fringe, Urban, Suburban, and Rural. Area type, which is generally determined by land use activity within a Traffic Analysis Zone (TAZ), is measured based on a combination of population and employment density in the zone.

Figure 2 shows the general locations of the surveyed establishments in the study area, color-coded by employment category and corresponding area type. The area type is based on 2017 AAMPO TAZ structure. Table 4 and Table 5 provide information on the number of sites, employee/visitor/CV intercept surveys, actual counts of person/non-CV/CV, and employment data, by area type for each category of employment, from the full and partial surveys, respectively.

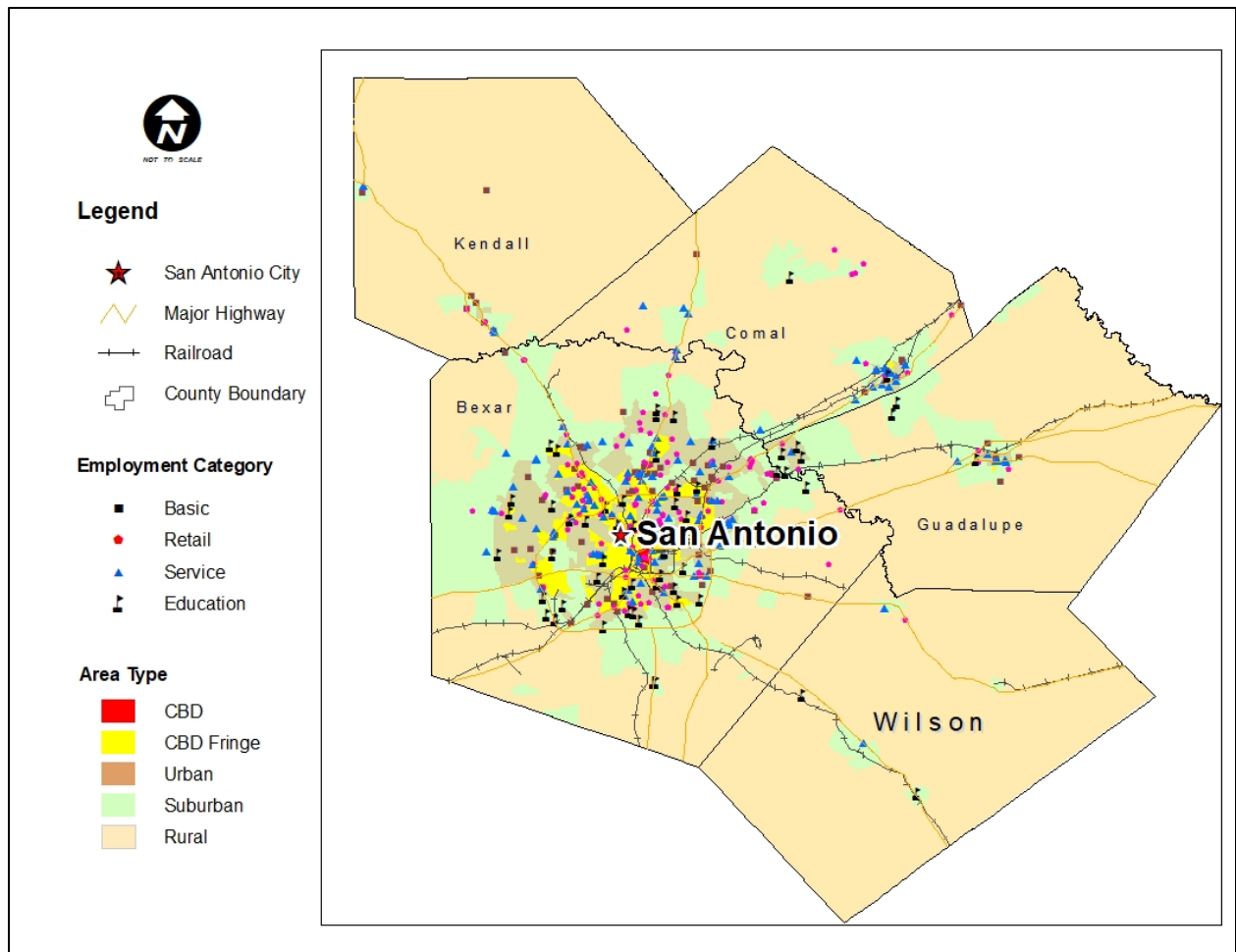


Figure 2. San Antonio Workplace Survey Locations and Area Types.

Table 4. San Antonio Workplace Full Survey Data Summary.

Area Type	Item	Basic	Retail	Service	Education	Total
CBD	Number of sites	0	1	1	0	2
	Employee surveys	0	2	13	0	15
	Visitor surveys	0	4	0	0	4
	CV surveys	3	0	0	0	3
	Person count	0	12	34	0	46
	Non-CV count	0	0	0	0	0
	CV count	0	0	0	0	0
	School Bus Count	0	0	0	0	0
	Total employment	0	2	20	0	22
	Employees at work	0	1	20	0	21
CBD Fringe	Number of sites	14	26	24	6	70
	Employee surveys	67	156	161	193	577
	Visitor surveys	150	1,108	201	57	1,516
	CV surveys	3	21	4	3	31
	Person count	586	6,026	1,258	758	8,628
	Non-CV count	632	3,318	739	3,098	7,787
	CV count	20	42	64	30	156
	School Bus Count	0	0	0	118	118
	Total employment	130	348	272	374	1,124
	Employees at work	94	267	240	368	969
Urban	Number of sites	11	21	18	10	60
	Employee surveys	59	156	79	469	763
	Visitor surveys	68	939	135	150	1,292
	CV surveys	10	38	12	5	65
	Person count	586	8,659	1,275	1,864	12,384
	Non-CV count	52	1,130	66	8,316	9,564
	CV count	6	8	14	58	86
	School Bus Count	0	0	4	516	520
	Total employment	105	353	208	819	1,485
	Employees at work	74	248	191	817	1,330
Suburban	Number of sites	12	13	16	10	51
	Employee surveys	46	91	103	361	601
	Visitor surveys	149	499	77	65	790
	CV surveys	6	34	18	5	63
	Person count	272	6,849	827	1,832	9,780
	Non-CV count	632	174	74	5,158	6,038
	CV count	14	26	12	42	94
	School Bus Count	0	0	0	548	548
	Total employment	68	197	245	703	1,213
	Employees at work	57	117	203	699	1,076

Table 4. San Antonio Workplace Full Survey Data Summary (continued).

Area Type	Item	Basic	Retail	Service	Education	Total
Rural	Number of sites	2	6	1	0	9
	Employee surveys	12	19	6	0	37
	Visitor surveys	60	234	4	0	298
	CV surveys	6	5	0	4	15
	Person count	0	1,616	24	0	1,640
	Non-CV count	312	1,286	0	0	1,598
	CV count	6	20	0	0	26
	School Bus Count	0	0	0	0	0
	Total employment	19	32	4	0	55
	Employees at work	17	22	4	0	43
All Area Types	Number of sites	39	67	60	26	192
	Employee surveys	184	424	362	1,023	1,993
	Visitor surveys	427	2,784	417	272	3,900
	CV surveys	28	98	34	17	177
	Person count	1,444	23,162	3,418	4,454	32,478
	Non-CV count	1,628	5,908	879	16,572	24,987
	CV count	46	96	90	130	362
	School Bus Count	0	0	4	1,182	1,186
	Total employment	322	932	749	1,896	3,899
	Employees at work	242	655	658	1,884	3,439

Note: Count data represent actual number counted at the sites.

Table 5. San Antonio Workplace Partial Survey Data Summary.

Area Type	Item	Basic	Retail	Service	Education	Total
CBD	Number of sites	0	0	2	0	2
	Person count	0	0	206	0	206
	Non-CV count	0	0	437	0	437
	CV count	0	0	8	0	8
	School Bus Count	0	0	0	0	0
	Total employment	0	0	40	0	40
	Employees at work	0	0	34	0	34
CBD Fringe	Number of sites	8	24	26	7	65
	Person count	702	12,692	3,768	1,146	18,308
	Non-CV count	350	5,566	1,188	5,720	12,824
	CV count	31	50	42	48	171
	School Bus Count	0	0	0	190	190
	Total employment	523	477	201	548	1,749
	Employees at work	153	254	191	547	1,145
Urban	Number of sites	15	26	18	12	71
	Person count	752	12,864	1,460	0	15,076
	Non-CV count	334	7,690	4,471	13,294	25,789
	CV count	94	190	110	80	474
	School Bus Count	0	0	0	432	432
	Total employment	197	488	428	987	2,100
	Employees at work	182	306	350	987	1,825
Suburban	Number of sites	12	16	10	9	47
	Person count	76	3,004	1,183	0	4,263
	Non-CV count	1,186	7,548	636	9,732	19,102
	CV count	110	146	22	50	328
	School Bus Count	0	0	0	298	298
	Total employment	191	276	129	673	1,269
	Employees at work	142	203	120	671	1,136
Rural	Number of sites	4	2	4	1	11
	Person count	48	186	236	0	470
	Non-CV count	156	0	90	714	960
	CV count	8	0	12	6	26
	School Bus Count	0	0	0	62	62
	Total employment	42	13	20	100	175
	Employees at work	41	10	19	95	165
All Area Types	Number of sites	39	68	60	29	196
	Person count	1,578	28,746	6,853	1,146	38,323
	Non-CV count	2,026	20,804	6,822	29,460	59,112
	CV count	243	386	194	184	1,007
	School Bus Count	0	0	0	982	982
	Total employment	953	1,254	818	2,308	5,333
	Employees at work	518	773	714	2,300	4,305

Note: Count data represent actual number counted at the sites.

Trip Characteristics

This section presents the trip characteristics of persons entering or exiting the surveyed workplaces. Information on residency, trip purpose, mode of travel and occupancy, trip origins, and trip destinations were analyzed to measure the amount of trip attractions to the sites.

Residence

A total of 5,893 respondents (1,993 employees and 3,900 visitors) were surveyed at the establishments. Approximately 97 percent of all respondents were residents of the study area, with 4,642 residents of Bexar County, 497 residents of Comal County, 394 residents of Guadalupe County, 73 residents of Wilson County and 69 residents of Kendall County. The remaining three percent of all respondents were non-residents, which consisted of 19 employees and 135 visitors residing outside the study area but within Texas, and those from outside the state included one employee from California and eight visitors from Colorado, Iowa, Illinois, Louisiana, North Carolina, New York, Oklahoma, and Oregon. Figure 3 displays the geocoded residency locations of the surveyed employees and visitors within the San Antonio study area and throughout Texas.

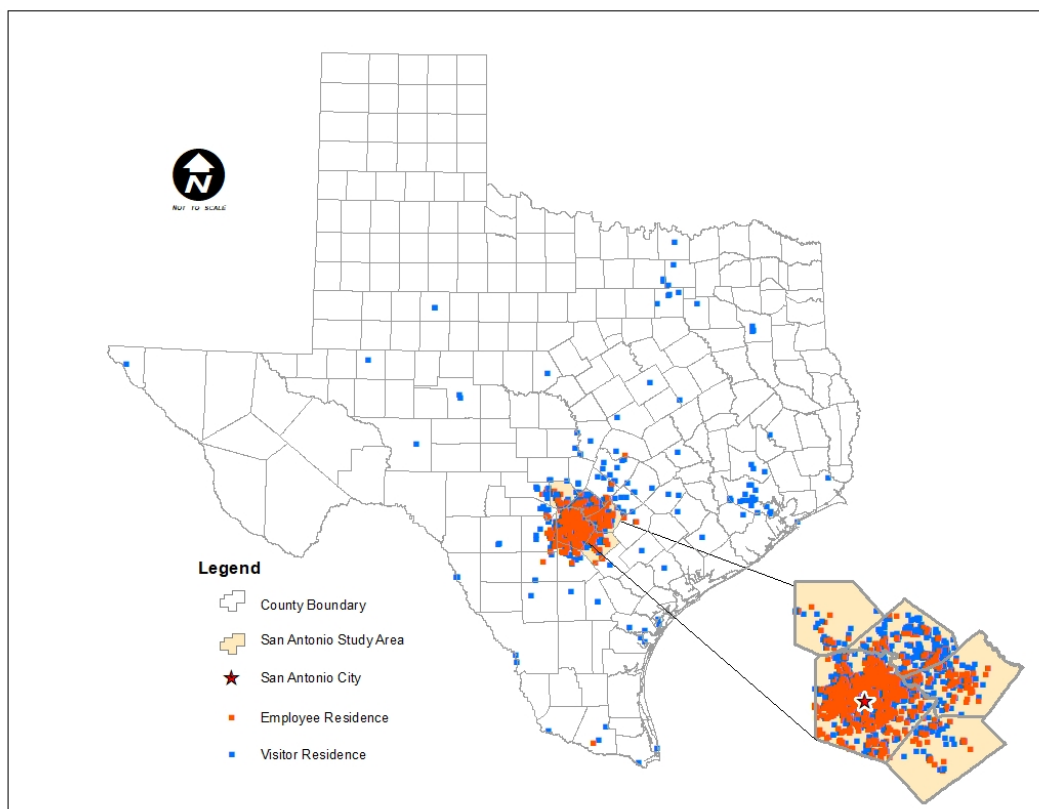


Figure 3. Residence Locations of San Antonio Workplace Survey Participants.

Trip Purpose

Table 6 summarizes the trip purposes of surveyed resident and non-residents at the establishments.

Table 6. Survey Trip Purposes.

Trip Purpose	Resident		Non-Resident		Total		Total	Percent of Total
	Employee	Visitor	Employee	Visitor	Employee	Visitor		
Return Home	1	13	0	0	1	13	14	0.24%
Work Related	1,896	44	19	3	1,915	47	1,962	33.29%
School Related	0	6	0	0	0	6	6	0.10%
Social/Recreational/Visit	0	52	0	0	0	52	52	0.88%
Shop	47	2,069	0	91	47	2,160	2,207	37.45%
Eat Out	21	1,073	1	39	22	1,112	1,134	19.24%
Personal Business	3	269	0	8	3	277	280	4.75%
Pick-Up/Drop-Off Passenger	0	196	0	1	0	197	197	3.34%
Delivery Pick-Up/Drop-Off	0	7	0	1	0	8	8	0.14%
Other	5	28	0	0	5	28	33	0.56%
Total	1,973	3,757	20	143	1,993	3,900	5,893	100.00%

*Percentage may not total due to rounding.

In the analysis, the surveyed trip purposes were classified according to the following trip categories and were distinguished between those made by residents and non-residents of the San Antonio study area.

- 1) Home-based work (HBW) – when the purpose was work-related, the origin or destination was the home, and the origin or destination was located within the study area.
- 2) Home-based non-work (HBNW) – when the purpose was not work-related, the origin or destination was the home, and the origin or destination was located within the study area.
- 3) Non home-based destination (NHB-D) – when the origin was not the home, the destination was the establishment being surveyed, and the origin was located within the study area.
- 4) Non home-based origin (NHB-O) – when the reported destination when leaving the establishment being surveyed was not the home, and the destination was located within the study area.
- 5) External trip origin (EXT-O) – when the origin was outside the study area.
- 6) External trip destination (EXT-D) – when the destination was outside the study area when leaving the establishment.

- 7) Non-resident (NON-RES) – when the person making the trip to and from the establishment lived outside the study area and the origin or destination of the trip was inside the study area.

In the same manner as the resident trips, non-resident trips were also classified based on the previously mentioned trip purpose categories (1 through 6). Table 7 shows the breakdown of these trips. However, in the analysis and expansion of survey non-resident trip data, such trips are presented as one trip purpose category (NON-RES). In addition, 135 trips, which were reported as “not the first store visited” at non-free standing establishments, were not counted as trip attractions.

Table 7. Survey Resident and Non-Resident Trips by Purpose.

Trip Purpose	Resident			Non-Resident			All Trips		
	Employee	Visitor	Total	Employee	Visitor	Total	Employee	Visitor	Total
HBW	3,159	70	3,229	-	-	-	3,159	70	3,229
HBNW	101	5,069	5,170	-	-	-	101	5,069	5,170
NHB-D	243	998	1,241	3	61	64	246	1,059	1,305
NHB -O	440	1,213	1,653	4	55	59	444	1,268	1,712
EXT-O	-	8	8	17	77	94	17	85	102
EXT-D	3	26	29	16	88	104	19	114	133
Total	3,946	7,384	11,330	40	279	321	3,986	7,665	11,651

Table 8 shows the distribution of survey trip purposes by area type and employment category.

Table 8. Survey Trips by Purpose, Area Type, and Employment Category.

Area Type	Employment Category	Number of Trips							Total
		HBW	HBNW	NHB-D	NHB-O	EXT-O	EXT-D	NON-RES	
CBD	Basic	0	0	0	0	0	0	0	0
	Retail	4	2	1	4	0	0	0	11
	Service	22	0	1	3	0	0	0	26
	Education	0	0	0	0	0	0	0	0
CBD Fringe	Basic	112	209	38	63	1	0	10	433
	Retail	246	1,478	310	379	2	3	72	2,490
	Service	252	289	60	106	0	0	12	719
	Education	312	85	26	77	0	0	0	500
Urban	Basic	77	174	49	65	0	0	24	389
	Retail	130	640	154	179	3	7	38	1,151
	Service	174	91	29	53	1	0	12	360
	Education	598	110	42	90	0	0	12	852
Suburban	Basic	105	93	25	30	0	1	0	254
	Retail	244	1,233	302	315	0	3	38	2,135
	Service	123	193	46	52	0	1	10	425
	Education	771	240	76	148	0	1	2	1,238
Rural	Basic	18	74	17	15	0	0	20	144
	Retail	31	260	62	67	1	12	71	504
	Service	3	6	3	7	0	1	0	20
	Education	0	0	0	0	0	0	0	0
All Area Types	Basic	312	550	129	173	1	1	54	1,220
	Retail	655	3,613	829	944	6	25	219	6,291
	Service	574	579	139	221	1	2	34	1,550
	Education	1,681	435	144	315	0	1	14	2,590
Total		3,222	5,177	1,241	1,653	8	29	321	11,651

Mode of Travel and Vehicle Occupancy

Table 9 shows the mode of travel used by the survey participants to the workplace. Approximately 94 percent of the trips to the workplaces were made by drivers of cars, trucks, or vans, and 3 percent were passengers of a vehicle. The average occupancy per vehicle was estimated at 1.4 for auto-drivers, and 2.1 persons for passenger vehicles.

Table 9. Survey Modes of Travel to the Workplace.

Mode	Resident		Non-Resident		All Surveys		
	Employee	Visitor	Employee	Visitor	Total	Percent of Total	Average Vehicle Occupancy
Driver (car/truck/van)	1,843	3,536	20	133	5,532	93.87%	1.38
Passenger (car/truck/van)	83	112	0	6	201	3.41%	2.09
Walk	26	61	0	2	89	1.51%	-
Bicycle	3	10	0	0	13	0.22%	-
Transit Bus	13	26	0	1	40	0.68%	-
School Bus	0	2	0	0	2	0.03%	-
Taxi/Limo	0	1	0	0	1	0.02%	-
Commercial Cargo Transport Vehicle	0	2	0	0	2	0.03%	-
Commercial Service Vehicle	0	1	0	1	2	0.03%	-
Motorecycle	5	5	0	0	10	0.17%	-
Other	0	1	0	0	1	0.02%	-
Total	1,973	3,757	20	143	5,893	100.00%	1.89

Trip Length

Each trip in the survey, based on its reported origin location and destination location, was geocoded either to a TAZ system for the study area or to the statewide TAZ system when the location was outside the study area (but within the state of Texas). All survey trip geocodes were tagged to the AAMPO TAZ geography built on the 2017 model network.

After the trips were geocoded, the travel distance and travel time for each trip to the surveyed workplace were estimated using the transportation network available for the San Antonio study area that provides the zone-to-zone trip lengths and travel times based on network speeds. The San Antonio network matrix only provides distances and travel times between zones (inter-zonal) and not within zones (intra-zonal).

The analyses of trip length and travel time to and from the surveyed workplace pertain only to inter-zonal trips by person and auto-driver mode of travel. Person trips encompassed all travel modes, including walking and bicycle trips. Auto-driver trips pertain to trips made by drivers of cars, trucks, and/or vans, including commercial cargo and service vehicles.

Table 10 and Table 11 show the survey inter-zonal trip lengths and travel times to and from the workplace within the San Antonio study area by trip purpose, respectively.

Table 10. Survey Inter-Zonal Trip Lengths to and from the Workplace.

Trip Purpose	Person Trips			Auto-Driver Trips		
	Total Trips	Total Miles	Average Miles	Total Trips	Total Miles	Average Miles
HBW	3,427	28,686	8.37	2,817	23,746	8.43
HBNW	7,168	44,175	6.16	4,380	27,713	6.33
NHB	1,858	11,461	6.17	1,246	8,227	6.61
NON-RES	392	4,181	10.67	236	2,565	10.87

Table 11. Survey Inter-Zonal Trip Travel Times to and from the Workplace.

Trip Purpose	Person Trips			Auto-Driver Trips		
	Total Trips	Total Minutes	Average Minutes	Total Trips	Total Minutes	Average Minutes
HBW	3,427	51,513	15.03	2,817	42,525	15.10
HBNW	7,168	82,251	11.47	4,380	51,414	11.74
NHB	1,858	21,466	11.56	1,246	15,231	12.23
NON-RES	392	6,800	17.35	236	4,169	17.67

Table 12 and Table 13 provide the survey trip lengths and travel times by trip purpose for all survey person and auto-driver trips.

Table 12. Survey Person and Auto-Driver Trip Lengths.

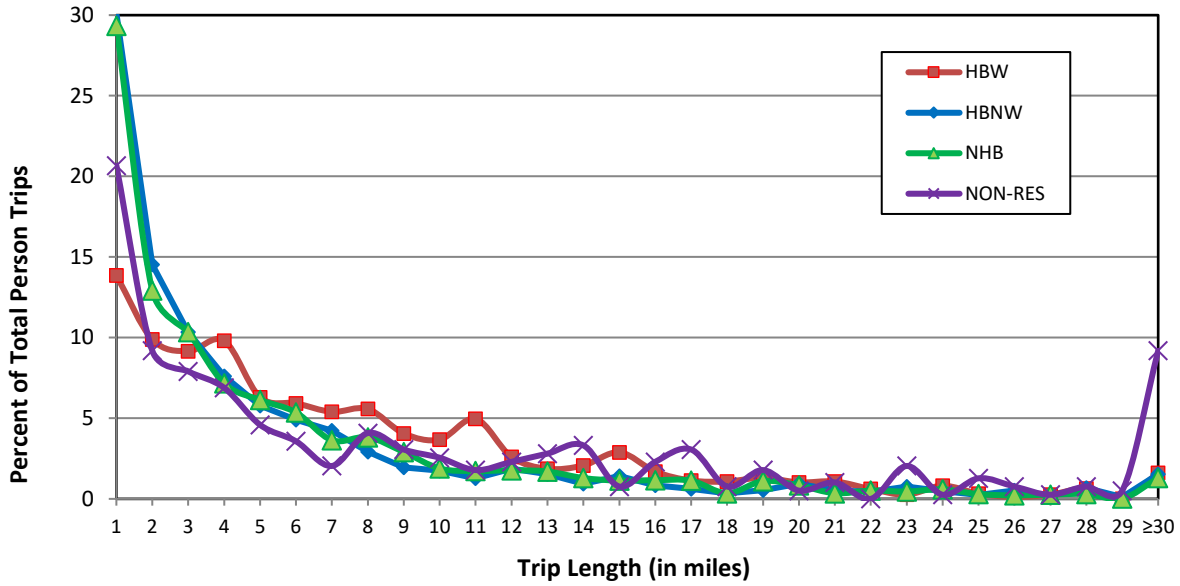
Miles	Person Trips				Auto-Driver Trips			
	HBW	HBNW	NHB	NON-RES	HBW	HBNW	NHB	NON-RES
1	475	2,159	545	81	383	1,252	334	37
2	339	1,041	240	36	278	626	146	26
3	314	742	192	31	252	453	125.5	24
4	336	545	133	27	273	349	94	18
5	216	415	114	18	182	263	81.5	10
6	203	351	99.5	14	176	225	63.5	10
7	185	304	67.5	8	154	198	54.5	8
8	191	209	71	16	159	134	49.5	7
9	139	140	54	12	110	97	40	9
10	126	126	35	10	114	78	26	6
11	170	92	32	7	120	57	23.5	5
12	89	134	33	9	75	79	27.5	4
13	64	110	31.5	11	55	71	23.5	7
14	71	67	24	13	57	46	22	5
15	99	102	21	3	90	56	15	3
16	58	60	21.5	9	48	35	14.5	3
17	39	44	21	12	32	32	14.5	7
18	37	25	6.5	3	29	20	4.5	2
19	45	39	20.5	7	34	28	14.5	5
20	35	67	15.5	2	30	38	11.5	0
21	37	38	6.5	4	32	17	6	2
22	21	31	9.5	0	18	20	8.5	0
23	9	55	8.5	8	8	30	6.5	6
24	28	35	11	1	27	30	6.5	1
25	11	17	5.5	5	8	11	3.5	3
26	4	38	4	3	4	21	2	3
27	9	15	5	1	6	9	3.5	1
28	22	49	5.5	3	15	28	4	2
29	0	8	0.5	2	0	7	0.5	2
≥30	55	110	24	36	48	70	19	20
Total	3,427	7,168	1,857.5	392	2,817	4,380	1,245.5	236

Table 13. Survey Person and Auto-Driver Trip Travel Times.

Minutes	Person Trips				Auto-Driver Trips			
	HBW	HBNW	NHB	NON-RES	HBW	HBNW	NHB	NON-RES
1	57	243	46	9	41	149	35	5
2	124	652	156.5	29	102	353	93.5	9
3	187	770	227	29	144	470	129	17
4	169	652	130.5	19	148	380	90.5	10
5	205	499	158.5	17	163	319	90	12
6	187	530	126.5	24	148	319	77.5	20
7	181	382	89	21	153	246	64	14
8	175	365	85.5	7	138	204	58	6
9	140	299	74	17	119	176	50.5	10
10	137	245	69.5	11	116	157	50.5	8
11	126	241	53.5	11	102	150	38	7
12	143	235	63.5	13	127	158	44	8
13	136	179	56.5	7	109	114	36	4
14	99	176	38.5	11	91	102	28.5	6
15	110	159	44.5	12	93	108	32	6
16	129	117	37	9	104	88	29.5	7
17	70	94	37	6	63	61	24.5	4
18	95	65	29.5	4	72	49	22.5	4
19	69	88	21.5	2	61	53	17	2
20	80	94	24	2	66	55	17	2
21	100	80	19.5	9	70	50	16.5	5
22	61	79	30.5	8	56	50	24	4
23	35	52	21.5	3	31	35	17	2
24	74	82	17	0	53	48	13	0
25	51	81	15	6	43	46	12	4
26	35	44	19	2	33	24	12.5	1
27	42	31	13	4	34	17	8.5	3
28	65	36	19	21	56	25	14	7
29	35	39	13	1	31	33	11.5	1
30	37	51	11	8	30	31	8	6
31	31	30	5	2	26	16	3	2
32	21	22	4.5	7	19	15	4.5	5
33	18	42	11	2	16	24	8	1
34	14	44	5	5	10	25	4	1
35	37	34	9.5	3	30	23	7.5	1
36	18	33	8.5	1	10	20	5.5	1
37	13	33	5	0	10	13	3	0
38	12	35	5	4	10	18	3	3
39	9	17	6	1	6	11	4	0
≥40	100	218	51	45	83	145	38.5	28
Total	3,427	7,168	1,857.5	392	2,817	4,380.0	1,245.5	236

Figure 4 (a and b) illustrates the trip length frequency distributions (TLFDs) by trip purpose, based on the number of person and auto-driver trips that were provided in Table 12.

(a) Person Trips



(b) Auto-Driver Trips

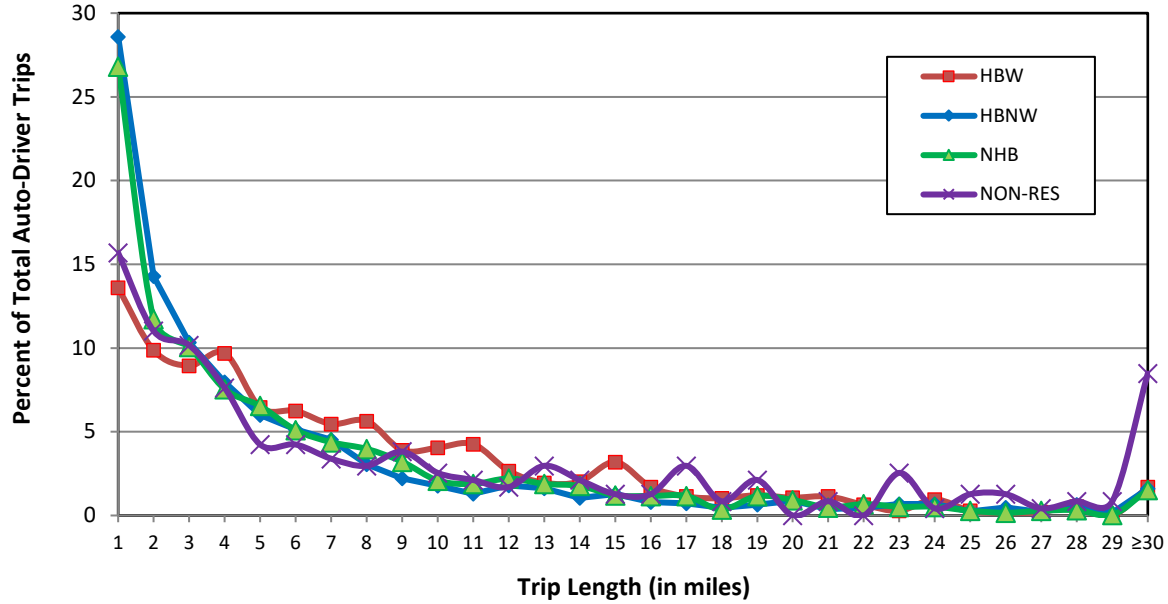
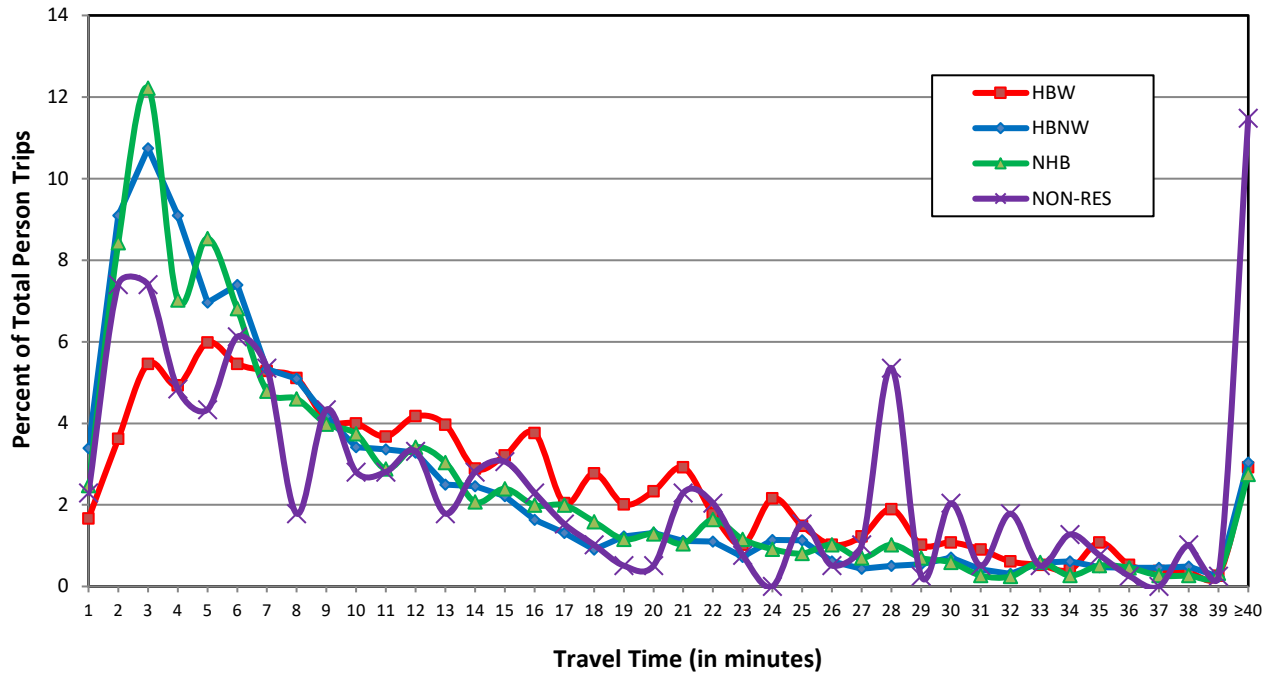


Figure 4. TLFDs of Person and Auto-Driver Trips to and from the Workplace.

Figure 5 (a and b) illustrates the travel time frequency distributions by trip purpose, based on the number of person and auto-driver trips that were provided in Table 13.

(a) Person Trips



(b) Auto-Driver Trips

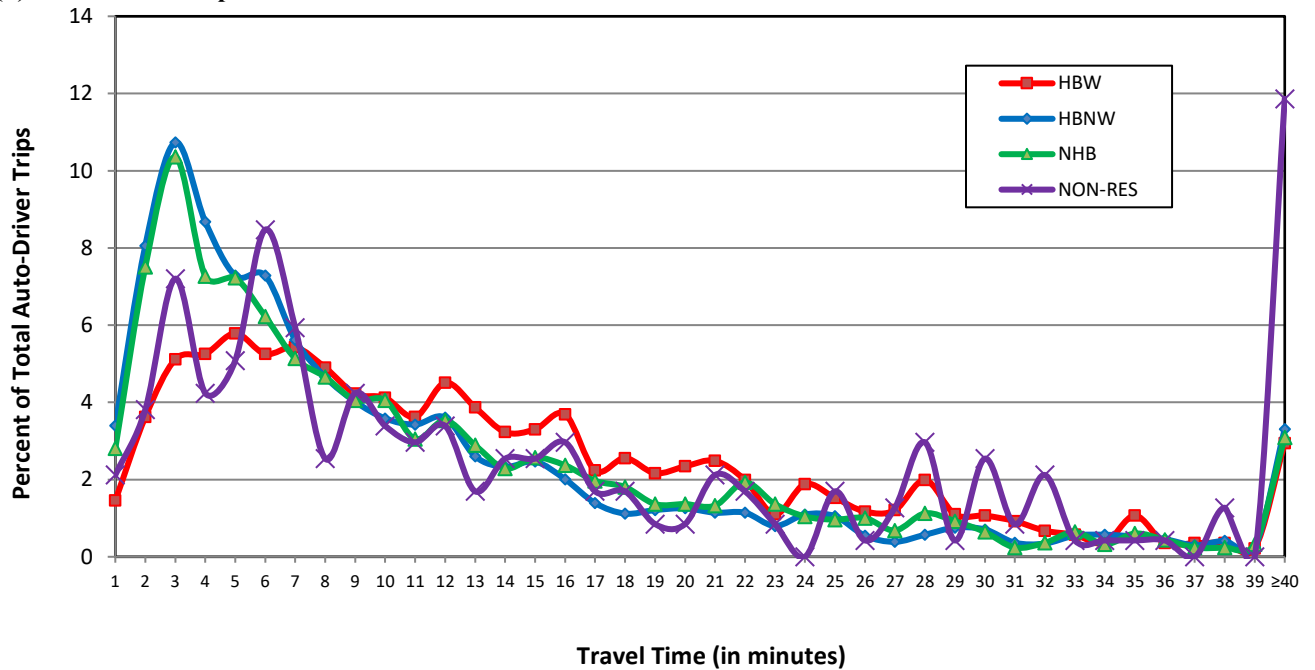


Figure 5. Travel Times of Person and Auto-Driver Trips to and from the Workplace.

COMMERCIAL VEHICLE COUNTS

The CV counts involved counting the number of cargo and service vehicles that entered and exited the surveyed establishments during the workplace travel survey day. The counts were conducted using ACRs, video cameras, or manual counts. The counts were conducted beginning at least one hour prior to and continued up to one hour after the location's normal operating hours. If the establishment's operating hours are 24 hours, the counts were conducted for the 24 hour period beginning at 6:00 a.m. and ending at 6:00 a.m. on the following day of the survey. A total of 1,369 CVs and 2,168 school buses were counted at the surveyed establishments. Of the total 3,537 CVs, including school buses, approximately 70 percent were at education establishments, 14 percent were at retail and 8 percent were at basic and service establishments.

Figure 6 shows the distribution of CV and School bus counts by employment category while Table 14 shows the distribution by area type and employment category for San Antonio study area.

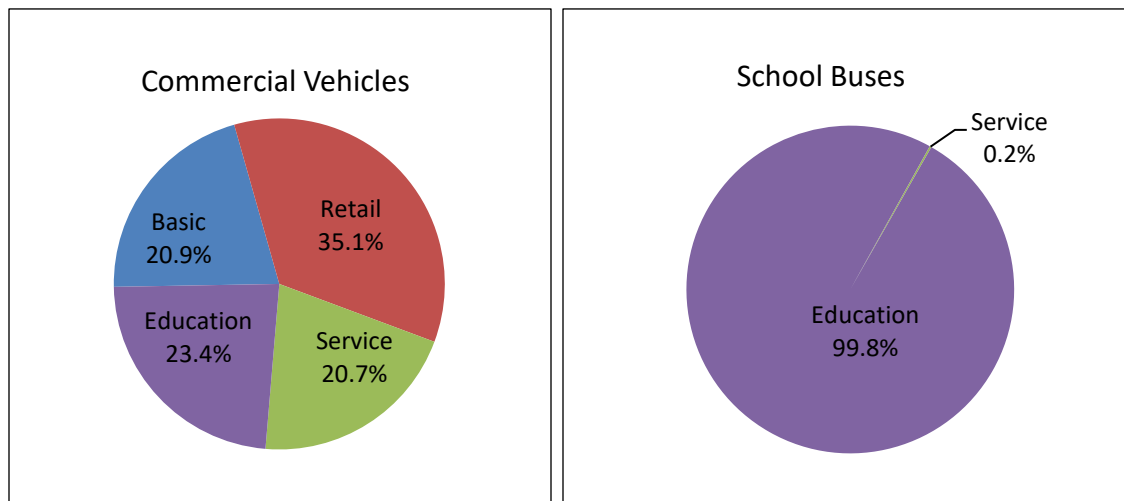


Figure 6. CV Counts by Employment Category.

Table 14. CV and School Bus Counts by Area Type and Employment Category.

Area Type	CV Count				Total CV	School Bus Count		Total School Bus
	Basic	Retail	Service	Education		Service	Education	
CBD	-	-	8	-	8	-	-	-
CBD Fringe	51	92	106	78	327	-	308	308
Urban	100	198	124	138	560	4	948	952
Suburban	124	172	34	92	422	-	846	846
Rural	14	20	12	6	52	-	62	62
Total	275	462	272	308	1,317	4	2,164	2,168

COMMERCIAL VEHICLE SURVEYS

CV intercept interviews were conducted as part of the San Antonio workplace survey. A total of 237 drivers of CVs making deliveries or pick-ups (including 96 at five special generators) agreed to participate in the CV survey. The CVs were distinguished based on nine classification types listed in Table 15, and were categorized either as cargo transport or service vehicle types. The CV analysis included the trip purpose, the type of place where the trips occurred, and the type and average weight of cargo being transported at pick-up and drop-off locations.

Table 15 shows the vehicle classification and type of the surveyed CVs for each category of employment. Approximately 92 percent of the total were cargo transport vehicles and 8 percent were service vehicles. Approximately 13 percent of the total were pick-up trucks, 19 percent were cargo or mini vans, 42 percent were single-unit 2-axle vehicles, 4 percent were 10-wheelers, 5 percent were 14-wheelers, and nearly 5 percent were semi-tractor and trailer combinations.

Table 15. Survey CV Classification and Commercial Types.

Vehicle Classification and Commercial Type	Number of Vehicles					Total	Percent of Total
	Basic	Retail	Service	Education	Special Gen.		
Passenger Car	0	1	3	0	1	5	2.11%
Pick-Up Truck	10	12	2	2	4	30	12.66%
Van (cargo or mini)	4	9	5	4	22	44	18.57%
Sport Utility Vehicle	4	4	3	1	2	14	5.91%
Single Unit 2-axle (6-wheels)	8	21	6	16	48	99	41.77%
Single Unit 3-axle (10-wheels)	0	2	0	6	2	10	4.22%
Single Unit 4-axle (14-wheels)	0	6	1	1	4	12	5.06%
Semi (all tractor-trailer combination)	0	9	0	0	13	22	9.28%
Other	0	1	0	0	0	1	0.42%
Total	26	65	20	30	96	237	100.00%
Commercial Cargo Transport Vehicle	24	60	19	28	88	219	92.41%
Commercial Service Vehicle	2	5	1	2	8	18	7.59%

Table 16 and Table 17 show the trip purposes and types of place at the origin and destination of all surveyed CVs, respectively.

Table 16. Survey CV Travel Purposes at Trip Origins and Destinations.

Trip Purpose	Cargo Vehicle		Service Vehicle		Percent of Total	
	Origin	Destination	Origin	Destination	Origin	Destination
Depart/Return to Base Location	56	11	9	1	27.43%	46.15%
Vehicle Maintenance (fuel, oil, etc.)	123	11	0	0	51.90%	42.31%
Driver Needs (lunch, etc.)	22	0	0	0	9.28%	0.00%
Delivery of Cargo	13	2	0	0	5.49%	7.69%
Pick-Up Cargo	2	0	6	1	3.38%	3.85%
Delivery and Pick-Up	1	0	1	0	0.84%	0.00%
Government Service	0	0	1	0	0.42%	0.00%
Installation/Maintenance/Repair Service	2	0	0	0	0.84%	0.00%
Other Cargo/Service Activity	0	0	1	0	0.42%	0.00%
Total	219	24	18	2	100.00%	100.00%

Table 17. Survey CV Types of Place at Trip Origins and Destinations.

Type of Place	Cargo Vehicle		Service Vehicle		Percent of Total	
	Origin	Destination	Origin	Destination	Origin	Destination
Office Building	19	15	3	0	9.28%	6.33%
Retail/Shopping	86	97	5	8	38.40%	44.30%
Industrial/Manufacturing	9	8	2	2	4.64%	4.22%
Medical/Hospital	6	6	0	0	2.53%	2.53%
Educational (12th grade or less)	23	23	1	1	10.13%	10.13%
Educational (College, Trade, etc.)	4	1	0	0	1.69%	0.42%
Government Office/Building	3	2	0	0	1.27%	0.84%
Residential	19	19	4	3	9.70%	9.28%
Intermodal Facility	0	1	0	0	0.00%	0.42%
Warehouse	11	13	2	2	5.49%	6.33%
Distribution Center	33	26	0	1	13.92%	11.39%
Construction Site	1	1	0	0	0.42%	0.42%
Other	5	7	1	1	2.53%	3.38%
Total	219	219	18	18	100.00%	100.00%*

*Percentage may not total due to rounding.

Table 18 shows the types of commodities being transported for delivery and pick up at the workplace by the surveyed cargo vehicles.

Table 18. Survey Cargo Deliveries and Pick-Up.

Cargo Type	Cargo Vehicle			
	Number of Deliveries	Average Weight (in lbs.)	Number of Pick Ups	Average Weight (in lbs.)
Farm Products	1	70,000	0	0
Forest Products	3	37	0	0
Metals and Minerals	2	325	1	100
Food, Health, and Beauty Products	68	1,336	5	346
Textiles	13	485	3	99
Wood Products	5	772	5	821
Printed Matter	14	14	3	3
Rubber, Plastic, or Styrofoam Products	3	2,217	6	23
Clay, Concrete, Glass, or Stone	0	0	3	707
Manufactured Goods/Equipment	32	1,040	18	589
Wastes	0	0	1	30,000
Miscellaneous Shipments	41	533	5	3,233
Driver Refused to Answer	30	0	165	0
Other-Unclassified Cargo	7	222	4	40
Total	219	1,245	219	1,212

SPECIAL GENERATOR SURVEYS

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

Five special generators were surveyed in the San Antonio study area — the University of Texas at San Antonio, Palo Alto College, the Forum Mall, the South Park Mall, and the San Antonio International Airport. Figure 7 shows their locations and corresponding area types.

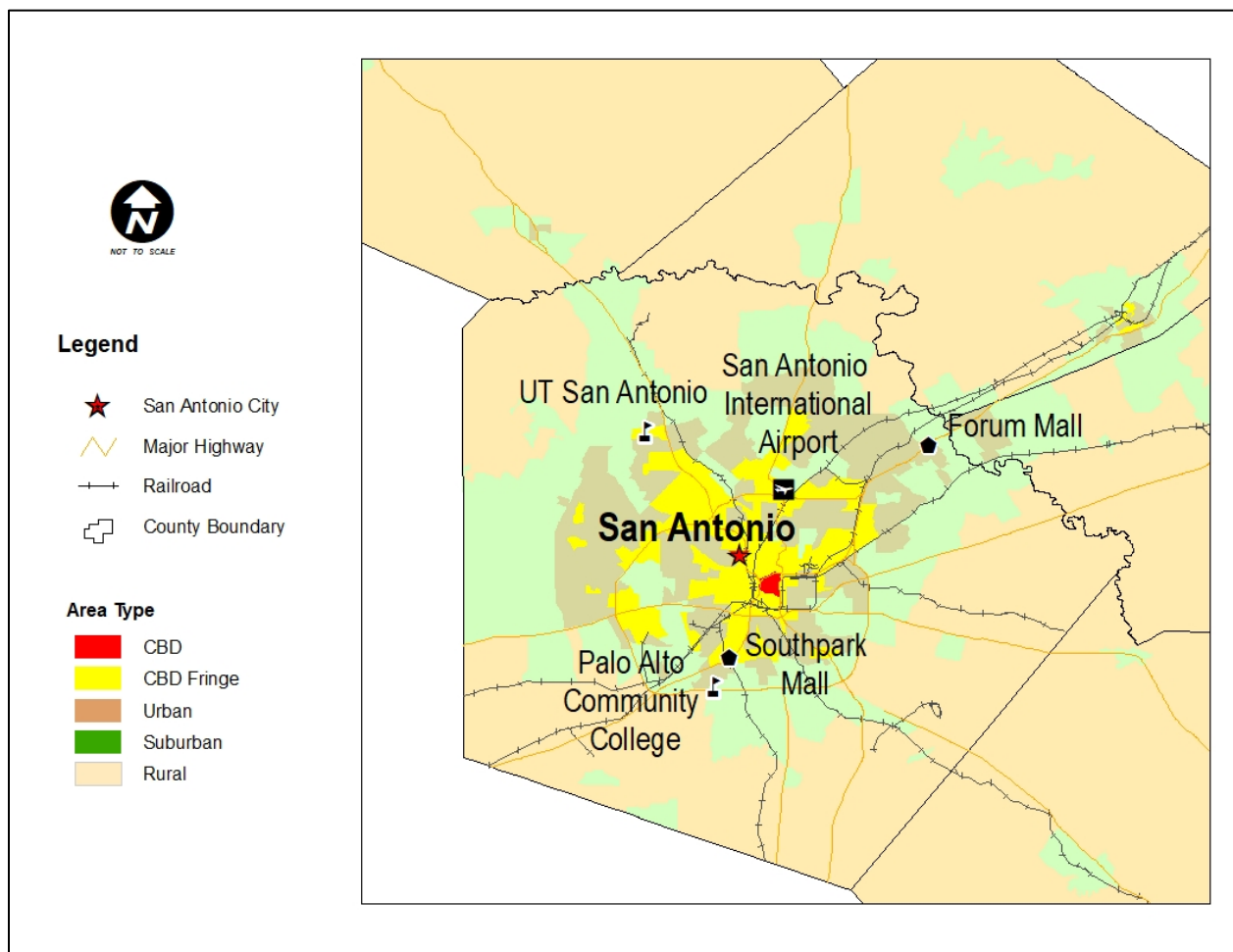


Figure 7. San Antonio Special Generators.

The methodology used to survey special generators was the same as that used for full workplace surveys. It included a general survey, an intercept survey, non-CV counts and/or person counts, and CV counts. Table 19 provides a summary of the general data collected from the special generator surveys.

Table 19. San Antonio Special Generators Key Data Summary.

Data Elements	SAT	UT San Antonio	Palo Alto College	South Park Mall	Forum Mall
Total Employment	5,000*	6,000	250	1,175	425
Employees at Work	3,750*	5,000	225	1,120	350
CV Counts	2,446	228	49	257	142
Bus Counts	1,038	1,532	293	12	14
Bicycle Counts	56	268	11	24	32
Non-CV Counts	66,171	46,714	9,633	20,436	39,276
Person Counts	49	2,553	17	138	25
Employee Surveys	328	235	137	125	141
Visitor Surveys	278	31	57	619	624
Student Surveys	0	852	522	0	0
CV Surveys	34	18	8	22	14

* SAT Employment estimates were based on another source given the low estimate from the establishment survey.
Note: Count data represent actual number counted at the sites.

The trip characteristics observed from each special generator are described by mode of travel, average vehicle occupancy, trip purpose, and trip length. The analyses of trip length and travel time to and from the surveyed special generator pertain only to inter-zonal trips by person and auto-driver mode of travel. Person trips included all travel modes, including walking and bicycle trips. Auto-driver trips pertain to trips made by drivers of cars, trucks, and or vans, including commercial cargo transport and service vehicles.

The results presented throughout this section were based on unexpanded survey trip data. These results significantly change after weighting is applied to the trip data during the survey expansion process.

San Antonio International Airport (SAT)

This airport was surveyed on October 4, 2018. A total of 328 employees, and 278 visitors participated in the survey. The reported total employment (1,813) from the survey appeared low, considering the growth and development that occurred since it was last surveyed in 1990 when the total employment was reported at 850. Based on USA Today's article, it was reported that the San Antonio airport had 5,000 vetted and badged employees (<https://www.usatoday.com/story/travel/flights/2016/03/30/airport-workers-employees/82385558/>). This employment estimate was deemed more reasonable to use as the basis for data expansion and trip rate development. Approximately 68 percent of the total number of employees were assumed to be at work during the travel survey day, taking the ratio of employees at work and total employment that was originally reported from the airport survey. Counts were conducted from 6:00 a.m. to 6:00 a.m. the following day (24 hours), with a total of 66,171 non-CVs, 49 persons, 2,446 CVs, and 1,038 buses entering and exiting 21 count locations on the perimeter of the site.

Figure 8 shows the residence locations of the SAT survey participants. Approximately 88 percent of the total 606 respondents lived within the study area, with 424 residents of the city of San Antonio. There were 36 non-residents that lived in other Texas counties, and 33 visitors were traveling from 23 states across the country. Table 20 provides the detailed residence locations.

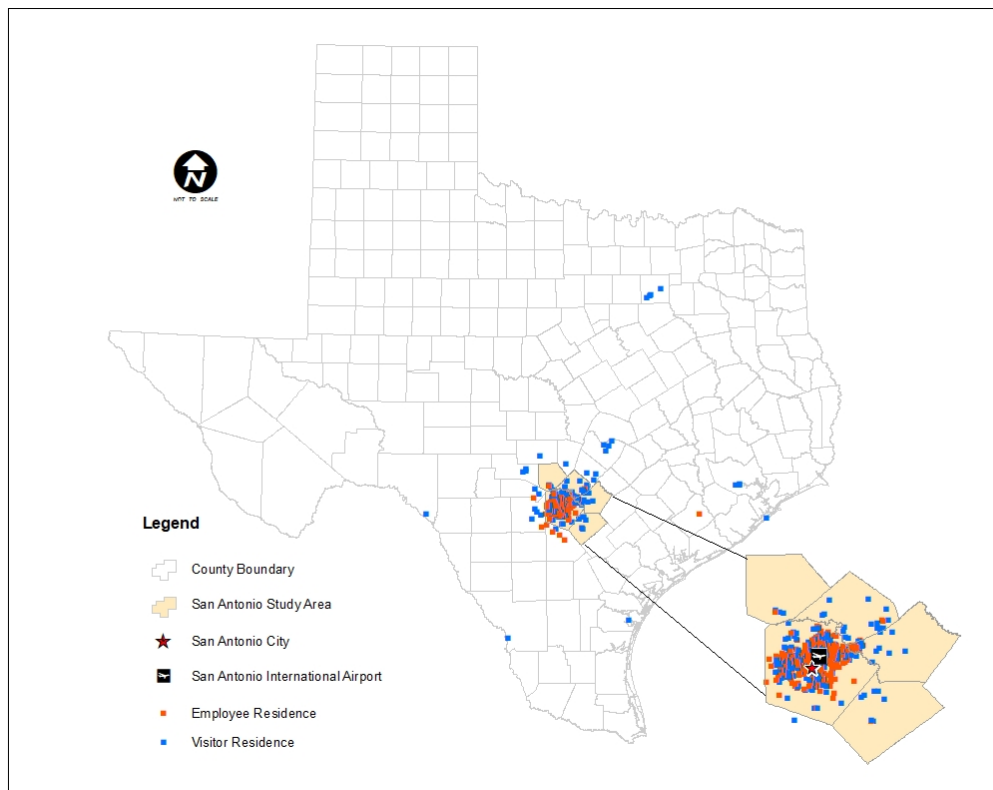


Figure 8. Residence Locations of Survey Participants at the SAT.

Table 20. Residence Locations of Survey Participants at the SAT.

Residence Location	Employee	Visitor	Total	Percent of Total
Within Study Area	321	216	313	81.09%
Bexar	313	186	499	82.34%
Comal	2	13	15	2.48%
Guadalupe	4	8	12	1.98%
Kendall	1	4	5	0.83%
Wilson	1	5	6	0.99%
Within Texas	7	29	36	5.94%
Atascosa	2	4	6	0.99%
Medina	4	0	4	0.66%
Bandera	0	2	2	0.33%
Blanco	0	1	1	0.17%
Dallas	0	3	3	0.50%
Galveston	0	1	1	0.17%
Gillespie	0	1	1	0.17%
Harris	0	3	3	0.50%
Hays	0	3	3	0.50%
Kerr	0	3	3	0.50%
Nueces	0	1	1	0.17%
Tarrant	0	1	1	0.17%
Travis	0	4	4	0.66%
Val Verde	0	1	1	0.17%
Webb	0	1	1	0.17%
Wharton	1	0	1	0.17%
Outside Texas	0	33	33	5.45%
Alabama	0	1	1	0.17%
Arizona	0	5	5	0.83%
California	0	1	1	0.17%
Connecticut	0	1	1	0.17%
Delaware	0	1	1	0.17%
Florida	0	2	2	0.33%
Georgia	0	1	1	0.17%
Hawaii	0	1	1	0.17%
Idaho	0	1	1	0.17%
Louisiana	0	1	1	0.17%
Massachusetts	0	1	1	0.17%
Maryland	0	1	1	0.17%
Michigan	0	3	3	0.50%
Minnesota	0	1	1	0.17%
Missouri	0	1	1	0.17%
North Carolina	0	1	1	0.17%
New Mexico	0	1	1	0.17%
New York	0	1	1	0.17%
Ohio	0	1	1	0.17%
Pennsylvania	0	1	1	0.17%
South Carolina	0	1	1	0.17%
Virginia	0	3	3	0.50%
Washington	0	2	2	0.33%
Total	328	278	606	100.00%

Table 21 shows the mode of travel used by survey participants traveling to and from the SAT. Approximately 91 percent of the total were drivers of cars, trucks, or vans; close to 5 percent were passengers; and nearly 4 percent traveled by airplane mode. The average occupancy per vehicle was estimated at 1.3 for auto drivers, 2.2 for passenger vehicles, and 1.0 for commercial service vehicles.

Table 21. Survey Modes of Travel to and from the SAT.

Mode	Employee	Visitor	Total Trips	Percent of Total	Average Vehicle Occupancy
Driver (car/truck/van)	633	464	1,097	90.51%	1.25
Passenger (car/truck/van)	19	38	57	4.70%	2.21
Walk	-	-	-	0.00%	-
Bicycle	-	1	1	0.08%	-
Transit Bus	3	-	3	0.25%	-
School Bus	-	-	-	0.00%	-
Taxi/Limo	-	3	3	0.25%	-
Commercial Cargo Transport Vehicle	-	-	-	0.00%	-
Commercial Service Vehicle	-	4	4	0.33%	1.0
Motorcycle	-	-	-	0.00%	-
Airplane	1	46	47	3.88%	-
Total	656	556	1,212	100.00%	1.30

Table 22 shows the distribution of trip purposes of the surveyed employees and visitors at the facility. The survey trip purposes are then classified by trip category, as Table 23 shows. Note that the trips by airplane mode are removed from the analysis during survey expansion. This is under the assumption that such trips are not expected to be captured from the counts conducted at the facility, and the total trips in and out of the airport by airplane are not known.

Table 22. Survey Trip Purposes – SAT.

Trip Purpose	Employee	Visitor	Total Trips	Percent of Total
Return Home	4	12	16	2.64%
Work Related	316	22	338	55.78%
School Related	0	0	0	0.00%
Social/Recreational/Visit	0	13	13	2.15%
Shop	0	1	1	0.17%
Eat Out	0	1	1	0.17%
Personal Business	1	6	7	1.16%
Pick-Up/Drop-Off Passenger	7	204	211	34.82%
Delivery – Pick-Up/Drop-Off	0	14	14	2.31%
Other	0	5	5	0.83%
Total	328	278	606	100.00%

Table 23. Survey Trips by Purposes to and from the SAT.

Trip Purpose	To Workplace	From Workplace	Total Trips	Percent of Total
HBW	321	311	632	52.15%
HBNW	167	160	327	26.98%
NHB-D	47	0	47	3.88%
NHB-O	0	51	51	4.21%
EXT-O	2	0	2	0.17%
EXT-D	0	15	15	1.24%
NON-RES	69	69	138	11.39%
Total	606	606	1,212	100.00%

Table 24 and Table 25 show the inter-zonal trip lengths and travel times by trip purpose for person and vehicle trips, respectively.

Table 24. Survey Inter-Zonal Trip Lengths to and from the SAT by Trip Purpose.

Trip Purpose	Person Trips			Auto-Driver Trips		
	Total Trips	Total Miles	Average Miles	Total Trips	Total Miles	Average Miles
HBW	711	7,713	10.85	607	6,607	10.88
HBNW	528	7,234	13.70	299	4,264	14.26
NHB	65	622	9.64	47	496	10.56
NON-RES	68	775	11.40	23	260	11.31

Table 25. Survey Inter-Zonal Travel Times to and from the SAT by Trip Purpose.

Trip Purpose	Person Trips			Auto-Driver Trips		
	Total Trips	Total Minutes	Average Minutes	Total Trips	Total Minutes	Average Minutes
HBW	711	13,791	19.40	607	11,828	19.49
HBNW	528	12,325	23.34	299	7,239	24.21
NHB	65	1,106	17.15	47	878	18.69
NON-RES	68	1,322	19.44	23	435	18.92

University of Texas at San Antonio (UT San Antonio)

The UT San Antonio had a reported total employment of 6,000 and 5,000 of its employees were estimated to be at work during the travel survey day (March 22, 2018). A total of 235 employees, 31 visitors, and 852 students participated in the survey. Counts were conducted from 6:00 a.m. to 10:00 p.m. (16 hours), with a total 46,714 non-CVs, 2,553 persons, 228 CVs, and 1,532 school buses counted at 12 access points on the perimeter of the facility.

Figure 9 shows the residence locations of the UT San Antonio survey participants. Approximately 98 percent of the total 1,118 respondents lived within the study area, with 999 residents of the city of San Antonio. The remaining two percent of the sample lived outside the study area, which consisted of 21 participants that resided in nearby counties and as far as Collin, Crawford and Culberson counties. There were three visitors from California, Tennessee, and Washington.

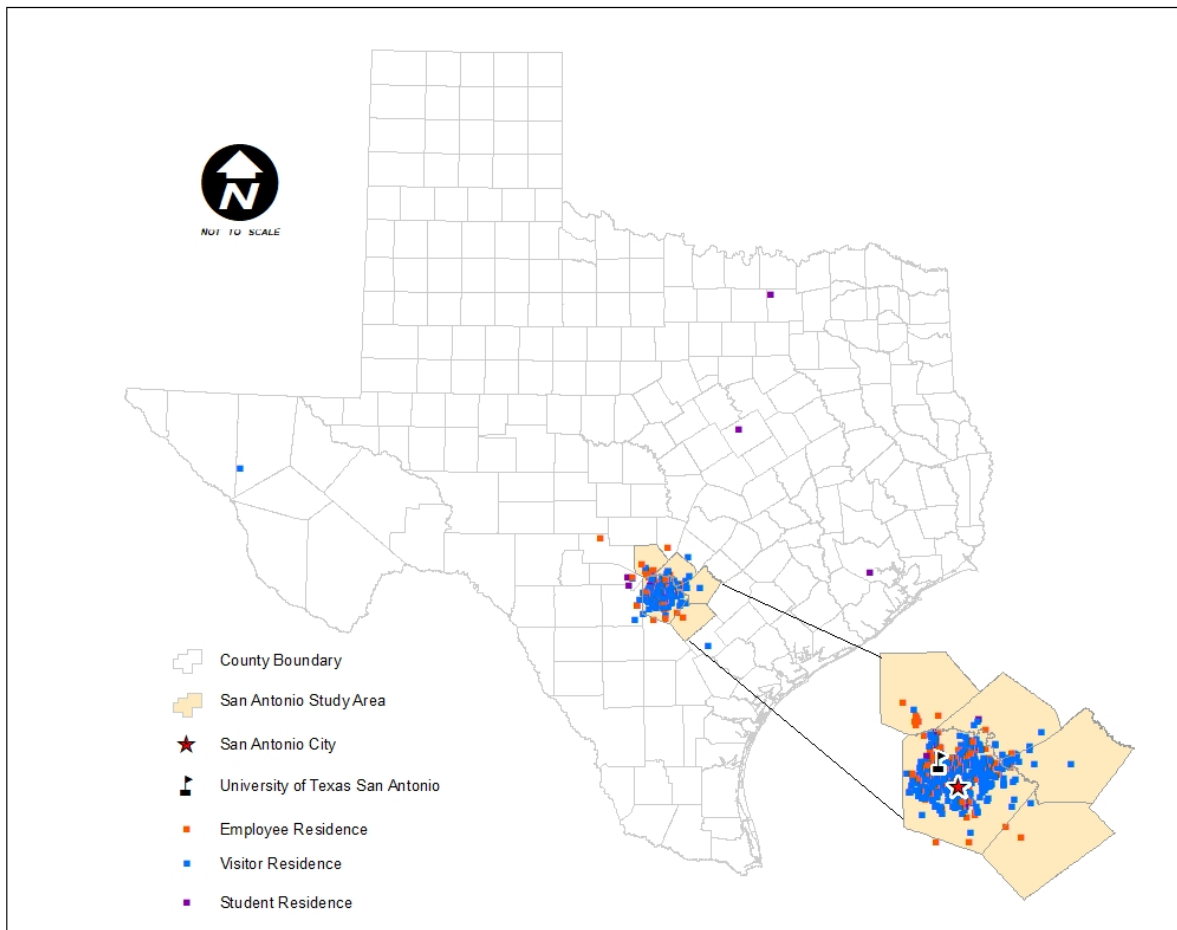


Figure 9. Residence Locations of Survey Participants at the UT San Antonio.

Table 26 shows the mode of travel used by survey participants traveling to and from the UT San Antonio. Approximately 75 percent of the total were drivers of cars, trucks, or vans; 9 percent were passengers; 3 percent walked; 9 percent were transit bus riders; and 3 percent rode the school bus. The average occupancy per vehicle was estimated at 1.1 for auto-drivers, and 2.0 for passenger vehicles.

Table 26. Survey Modes of Travel to and from the UT San Antonio.

Mode	Employee	Visitor	Student	Total Trips	Percent of Total	Average Vehicle Occupancy
Driver (car/truck/van)	437	51	1,198	1,686	75.4%	1.06
Passenger (car/truck/van)	14	7	176	197	8.8%	2.00
Walk	3	0	63	66	3.0%	-
Bicycle	2	1	17	20	0.9%	-
Transit Bus	8	3	190	201	9.0%	-
School Bus	6	0	55	61	2.7%	-
Taxi/Limo	0	0	1	1	0.0%	-
Commercial Cargo Transport Vehicle	0	0	0	0	0.0%	-
Commercial Service Vehicle	0	0	0	0	0.0%	-
Motorcycle	0	0	4	4	0.2%	-
Other	0	0	0	0	0.0%	-
Total	470	62	1,704	2,236	100.0%	1.16

Table 27 shows the distribution of trip purposes of the surveyed employees and visitors at the facility. The survey trip purposes are then classified by trip category, as Table 28 shows.

Table 27. Survey Trip Purposes – UT San Antonio.

Trip Purpose	Employee	Visitor	Student	Total Trips	Percent of Total
Return Home	0	0	0	0	0.00%
Work Related	227	4	18	253	22.63%
School Related	4	2	833	839	75.04%
Social/Recreational/Visit	0	13	1	14	1.25%
Shop	0	0	0	0	0.00%
Eat Out	0	0	0	0	0.00%
Personal Business	0	12	0	12	1.07%
Pick-Up/Drop-Off Passenger	0	0	0	0	0.00%
Delivery – Pick-Up/Drop-Off	0	0	0	0	0.00%
Other	0	0	0	0	0.00%
Total	235	31	852	1,118	100.00%

Table 28. Survey Trips by Purposes to and from the UT San Antonio.

Trip Purpose	To Workplace	From Workplace	Total Trips	Percent of Total
HBW	225	215	440	19.68%
HBNW	796	762	1558	69.68%
NHB-D	76	0	76	3.40%
NHB-O	0	120	120	5.37%
EXT-O	0	0	0	0.00%
EXT-D	0	0	0	0.00%
NON-RES	21	21	42	1.88%
Total	1,118	1,118	2,236	100.00%

Table 29 and Table 30 show the inter-zonal trip lengths and travel times by trip purpose for person and vehicle trips, respectively.

Table 29. Survey Inter-Zonal Trip Lengths to and from the UT San Antonio by Trip Purpose.

Trip Purpose	Person Trips			Auto-Driver Trips		
	Total Trips	Total Miles	Average Miles	Total Trips	Total Miles	Average Miles
HBW	459	4,233	9.22	404	3,769	9.33
HBNW	1,776	15,358	8.65	1,062	10,019	9.43
NHB	119	1,167	9.81	86	807	9.44
NON-RES	21	251	11.95	6	82	13.59

Table 30. Survey Inter-Zonal Travel Times to and from the UT San Antonio by Trip Purpose.

Trip Purpose	Person Trips			Auto-Driver Trips		
	Total Trips	Total Minutes	Average Minutes	Total Trips	Total Minutes	Average Minutes
HBW	459	7,321	15.95	404	6,510	16.11
HBNW	1,776	26,414	14.87	1,062	17,228	16.22
NHB	119	2,053	17.25	86	1,427	16.69
NON-RES	21	463	22.04	6	155	25.88

Palo Alto College

Palo Alto College had a reported total employment of 250, and 225 of its employees were estimated to be at work during the travel survey day (March 6, 2018). A total of 137 employees, 57 visitors, and 522 students participated in the survey. Counts were conducted from 6:00 a.m. to 10:00 p.m. (16 hours), with a total of 9,633 non-CVs, 17 pedestrians, 49 CVs, and 293 school buses counted at four entry/exit locations and all VIA terminals on the perimeter of the facility.

Figure 10 shows the residence locations of the Palo Alto College survey participants. Approximately 91 percent of the total 716 respondents lived within the study area, with the majority (567) residing in the city of San Antonio. All survey respondents lived in Texas.

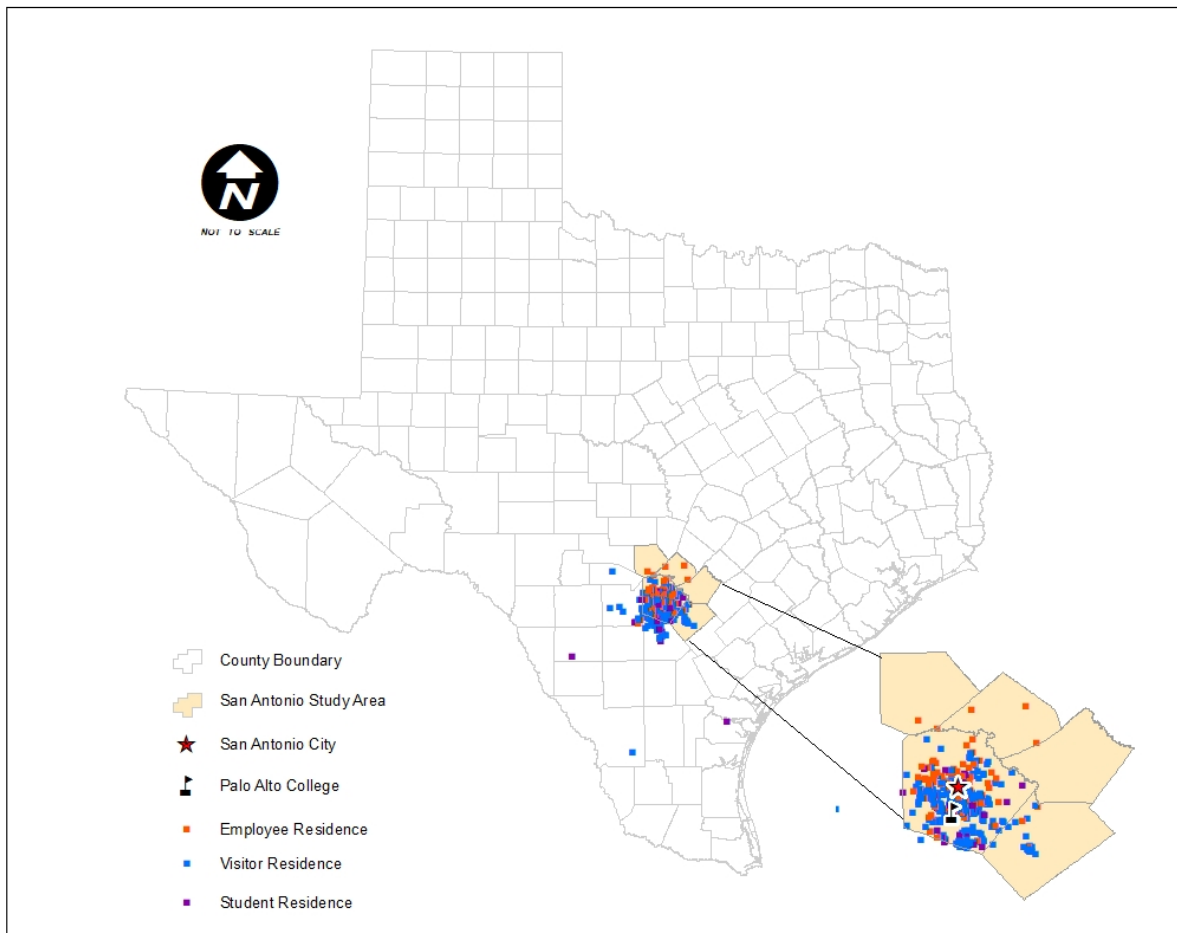


Figure 10. Residence Locations of Survey Participants at Palo Alto College.

Table 31 shows the mode of travel used by survey participants traveling to and from Palo Alto College. Approximately 76 percent of the total were drivers of cars, trucks, or vans; 10 percent were passengers; 10 percent rode a transit bus; and 3 percent rode a school bus. The average occupancy per vehicle was estimated at 1.2 for auto-drivers and 2.2 for passenger vehicles.

Table 31. Survey Modes of Travel to and from Palo Alto College.

Mode	Employee	Visitor	Student	Total Trips	Percent of Total	Average Vehicle Occupancy
Driver (car/truck/van)	245	87	754	1,086	75.8%	1.19
Passenger (car/truck/van)	18	9	116	143	10.0%	2.22
Walk	0	0	10	10	0.7%	-
Bicycle	0	0	2	2	0.1%	-
Transit Bus	5	4	134	143	10.0%	-
School Bus	6	14	24	44	3.1%	-
Taxi/Limo	0	0	0	0	0.0%	-
Commercial Cargo Transport Vehicle	0	0	0	0	0.0%	-
Commercial Service Vehicle	0	0	0	0	0.0%	-
Motorcycle	0	0	2	2	0.1%	-
Other	0	0	2	2	0.1%	-
Total	274	114	1,044	1,432	100.0%	1.31

Table 32 shows the distribution of trip purposes of the surveyed employees and visitors at the facility. The survey trip purposes are then classified by trip category, as Table 33 shows.

Table 32. Survey Trip Purposes – Palo Alto College.

Trip Purpose	Employee	Visitor	Student	Total Trips	Percent of Total
Return Home	0	1	0	1	0.14%
Work Related	130	3	12	145	20.25%
School Related	5	7	508	520	72.63%
Social/Recreational/Visit	1	11	0	12	1.68%
Shop	0	0	1	1	0.14%
Eat Out	1	0	0	1	0.14%
Personal Business	0	23	1	24	3.35%
Pick-Up/Drop-Off Passenger	0	4	0	4	0.56%
Delivery – Pick-Up/Drop-Off	0	0	0	0	0.00%
Other	0	8	0	8	1.12%
Total	137	57	522	716	100.00%

Table 33. Survey Trips by Purposes to and from Palo Alto College.

Trip Purpose	To Workplace	From Workplace	Total Trips	Percent of Total
HBW	126	115	241	16.83%
HBNW	446	426	872	60.89%
NHB-D	78	0	78	5.45%
NHB-O	0	108	108	7.54%
EXT-O	1	0	1	0.07%
EXT-D	0	2	2	0.14%
NON-RES	65	65	130	9.08%
Total	716	716	1,432	100.00%

Table 34 and Table 35 show the inter-zonal trip lengths and travel times by trip purpose for person and vehicle trips, respectively.

Table 34. Survey Inter-Zonal Trip Lengths to and from Palo Alto College by Trip Purpose.

Trip Purpose	Person Trips			Auto-Driver Trips		
	Total Trips	Total Miles	Average Miles	Total Trips	Total Miles	Average Miles
HBW	265	3,191	12.04	214	2,755	12.87
HBNW	1,124	10,346	9.20	625	6,015	9.62
NHB	113	869	7.72	66	518	7.85
NON-RES	39	481	12.35	22	249	11.33

Table 35. Survey Inter-Zonal Travel Times to and from Palo Alto College by Trip Purpose.

Trip Purpose	Person Trips			Auto-Driver Trips		
	Total Trips	Total Minutes	Average Minutes	Total Trips	Total Minutes	Average Minutes
HBW	265	5,460	20.60	214	4,685	21.89
HBNW	1,124	17,797	15.83	625	10,168	16.27
NHB	113	1,561	13.88	66	943	14.28
NON-RES	39	738	18.92	22	384	17.44

Forum Mall

The Forum Mall had a reported total employment of 425 and 350 of its employees were estimated to be at work during the travel survey day (March 20, 2018). A total of 141 employees and 624 visitors participated in the intercept survey. Counts were conducted from 9:00 a.m. to 10:00 p.m. (13 hours), with a total of 39,276 non-CVs, 25 pedestrians, 142 CVs and 14 buses counted at 10 access points on the perimeter of the mall facility.

Figure 11 shows the residence locations of the Forum Mall survey participants. Approximately 96 percent of the 765 respondents lived within the study area, with 618 residents of Bexar County, 71 resided in Wilson County, 39 in Comal County, and 11 lived in Kendall County. There was 1 employee that lived in Hays County, and 22 visitors were traveling from nearby counties such as Williamson and Hays to as far away as Dallas, Midland, and Hidalgo. There were three visitors from Minnesota, North Carolina, and Oklahoma.

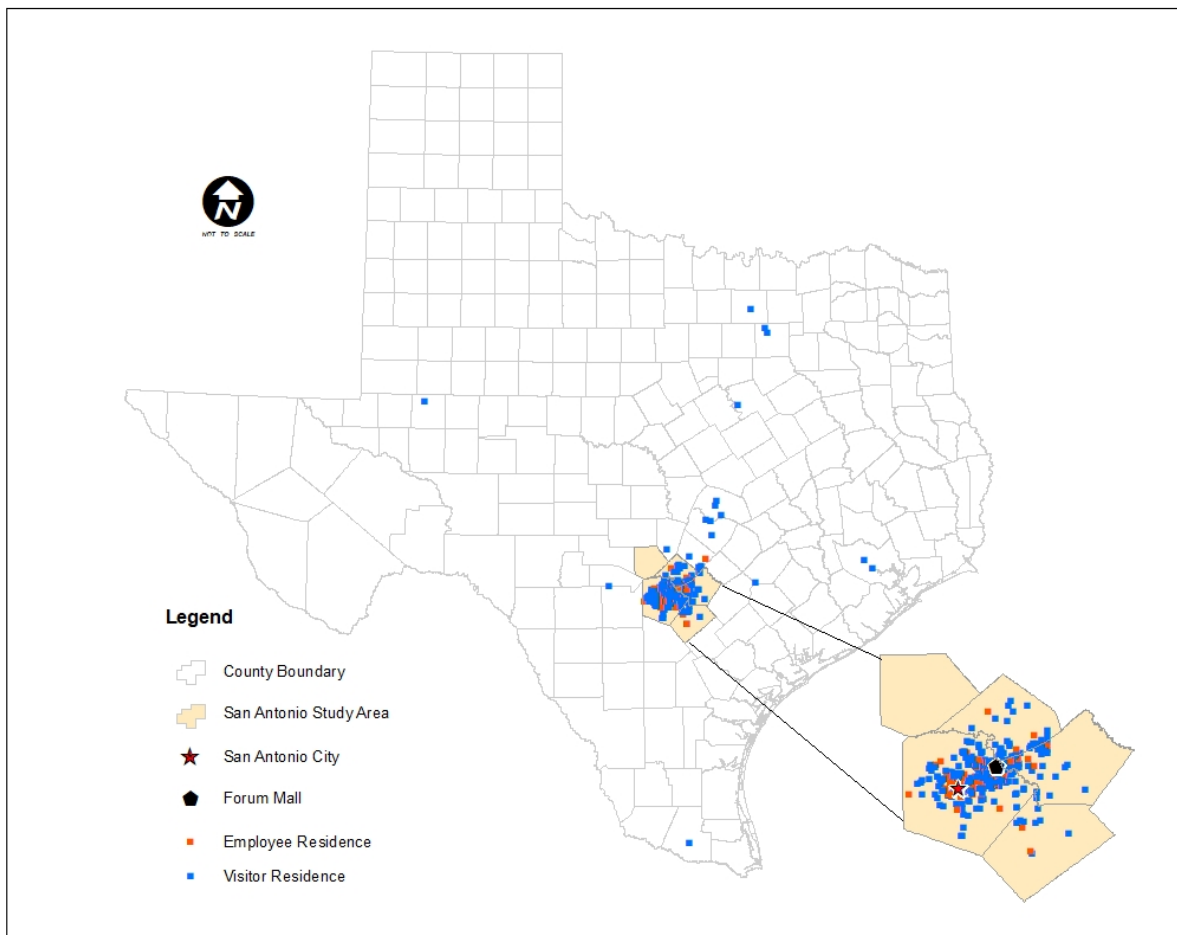


Figure 11. Residence Locations of Survey Participants at the Forum Mall.

Table 36 shows the mode of travel used by survey participants traveling to and from the Forum Mall. Approximately 90 percent of the total were drivers of cars, trucks, or vans, and 9 percent were passengers. The average occupancy per vehicle was estimated at 1.6 for auto-drivers and 2.2 for passenger vehicles.

Table 36. Survey Modes of Travel to and from the Forum Mall.

Mode	Employee	Visitor	Total Trips	Percent of Total	Average Vehicle Occupancy
Driver (car/truck/van)	248	1,128	1,376	89.9%	1.59
Passenger (car/truck/van)	34	110	144	9.4%	2.15
Walk	0	8	8	0.5%	-
Bicycle	0	2	2	0.1%	-
Transit Bus	0	0	0	0.0%	-
School Bus	0	0	0	0.0%	-
Taxi/Limo	0	0	0	0.0%	-
Commercial Cargo Transport Vehicle	0	0	0	0.0%	-
Commercial Service Vehicle	0	0	0	0.0%	-
Motorcycle	0	0	0	0.0%	-
Other	0	0	0	0.0%	-
Total	282	1,248	1,530	100.0%	1.65

Table 37 shows the distribution of trip purposes of the surveyed employees and visitors at the facility. It was odd that the return home trip purpose was reported by visitors to IHOP and Best Buy but with reported home origin and destination. The survey trip purposes are then classified by trip category, as Table 38 shows.

Table 37. Survey Trip Purposes – Forum Mall.

Trip Purpose	Employee	Visitor	Total Trips	Percent of Total
Return Home	0	2	2	0.26%
Work Related	125	5	130	16.99%
School Related	0	0	0	0.00%
Social/Recreational/Visit	0	3	3	0.39%
Shop	14	335	349	45.62%
Eat Out	2	225	227	29.67%
Personal Business	0	52	52	6.80%
Pick-Up/Drop-Off Passenger	0	0	0	0.00%
Delivery – Pick-Up/Drop-Off	0	1	1	0.13%
Other	0	1	1	0.13%
Total	141	624	765	100.00%

Table 38. Survey Trips by Purposes to and from the Forum Mall.

Trip Purpose	To Workplace	From Workplace	Total Trips	Percent of Total
HBW	121	116	237	15.49%
HBNW	468	442	910	59.48%
NHB-D	147	0	147	9.61%
NHB-O	0	180	180	11.76%
EXT-O	3	0	3	0.20%
EXT-D	0	1	1	0.07%
NON-RES	26	26	52	3.40%
Total	765	765	1,530	100.00%

Table 39 and Table 40 show the inter-zonal trip lengths and travel times by trip purpose for person and vehicle trips, respectively.

Table 39. Survey Inter-Zonal Trip Lengths to and from the Forum Mall by Trip Purpose.

Trip Purpose	Person Trips			Auto-Driver Trips		
	Total Trips	Total Miles	Average Miles	Total Trips	Total Miles	Average Miles
HBW	268	2,324	8.67	204	1,848	9.06
HBNW	1,587	12,893	8.12	819	6,687	8.17
NHB	252	1,623	6.44	137	952	6.97
NON-RES	42	300	7.14	19	157	8.24

Table 40. Survey Inter-Zonal Travel Times to and from the Forum Mall by Trip Purpose.

Trip Purpose	Person Trips			Auto-Driver Trips		
	Total Trips	Total Minutes	Average Minutes	Total Trips	Total Minutes	Average Minutes
HBW	268	4,132	15.42	204	3,265	16.00
HBNW	1,587	22,688	14.30	819	11,737	14.33
NHB	252	2,897	11.49	137	1,673	12.26
NON-RES	42	511	12.18	19	262	13.78

South Park Mall

The South Park Mall had a reported total employment of 1,175 and 1,120 of its employees were estimated to be at work during the travel survey day (March 8, 2018). A total of 125 employees and 619 visitors participated in the intercept survey. Counts were conducted from 5:00 a.m. to 10:00 p.m. (18 hours), with a total 20,436 non-CVs, 138 pedestrians, 257 CVs, and 12 buses counted at six access points on the perimeter of the mall facility and seven counters at the mall doors.

Figure 12 shows the residence locations of the South Park Mall survey participants. Approximately 92 percent of the total 744 respondents lived within the San Antonio study area, with 627 residents of the city of San Antonio. The surveyed non-residents consisted of 8 employees that lived in other counties - Atascosa (3), Medina (3), Hays (1), and Williamson (1) - and 46 visitors that were traveling from 17 other Texas counties. Additionally, there were two visitors from Mexico, and one visitor from Colorado and from California.

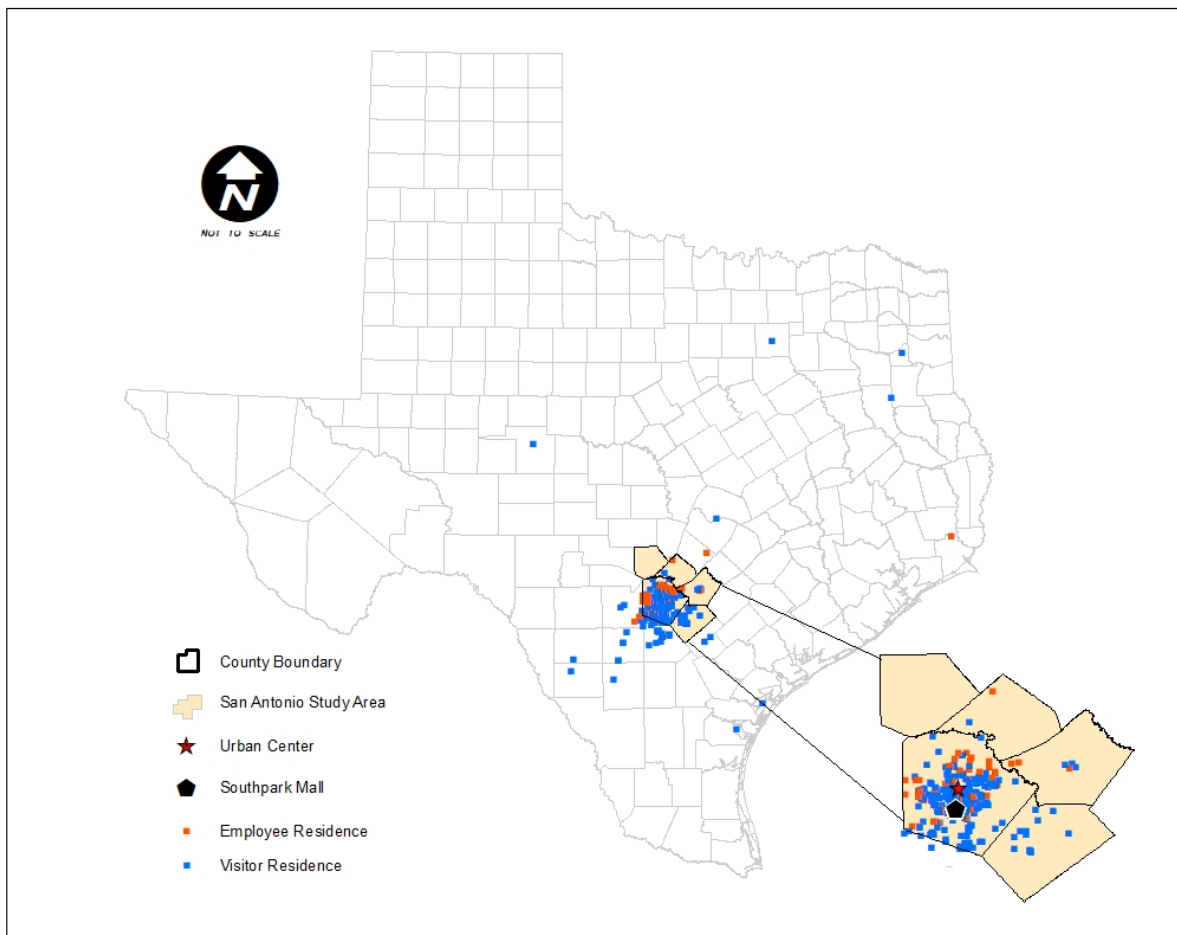


Figure 12. Residence Locations of Survey Participants at the South Park Mall.

Table 41 shows the mode of travel used by survey participants traveling to and from the South Park Mall. Approximately 91 percent of the total were drivers of cars, trucks, or vans; 7 percent were passengers; and less than 2 percent were transit bus riders. The average occupancy per vehicle was estimated at 1.8 for auto-drivers and 2.4 for passenger vehicles.

Table 41. Survey Modes of Travel to and from the South Park Mall.

Mode	Employee	Visitor	Total Trips	Percent of Total	Average Vehicle Occupancy
Driver (car/truck/van)	220	1,134	1,354	91.0%	1.78
Passenger (car/truck/van)	20	82	102	6.9%	2.41
Walk	0	2	2	0.1%	-
Bicycle	0	0	0	0.0%	-
Transit Bus	8	16	24	1.6%	-
School Bus	0	0	0	0.0%	-
Taxi/Limo	2	2	4	0.3%	-
Commercial Cargo Transport Vehicle	0	2	2	0.1%	-
Commercial Service Vehicle	0	0	0	0.0%	-
Motorcycle	0	0	0	0.0%	-
Other	0	0	0	0.0%	-
Total	250	1,238	1,488	100.0%	1.82

Table 42 shows the distribution of trip purposes of the surveyed employees and visitors at the facility. One visitor oddly reported a return home purpose. The survey trip purposes are then classified by trip category, as Table 43 shows.

Table 42. Survey Trip Purposes – South Park Mall.

Trip Purpose	Employee	Visitor	Total Trips	Percent of Total
Return Home	0	1	1	0.14%
Work Related	118	3	121	16.37%
School Related	0	0	0	0.00%
Social/Recreational/Visit	0	9	9	1.22%
Shop	6	530	536	72.53%
Eat Out	0	21	21	2.84%
Personal Business	1	48	49	6.63%
Pick-Up/Drop-Off Passenger	0	2	2	0.27%
Delivery – Pick-Up/Drop-Off	0	0	0	0.00%
Other	0	0	0	0.00%
Total	125	614	739	100.00%

Table 43. Survey Trips by Purposes to and from the South Park Mall.

Trip Purpose	To Workplace	From Workplace	Total Trips	Percent of Total
HBW	102	98	200	13.44%
HBNW	436	437	873	58.67%
NHB-D	148	0	148	9.95%
NHB-O	0	150	150	10.08%
EXT-O	0	0	0	0.00%
EXT-D	0	1	1	0.07%
NON-RES	58	58	116	7.80%
Total	744	744	1,488	100.00%

Table 44 and Table 45 show the inter-zonal trip lengths and travel times by trip purpose for person and vehicle trips, respectively.

Table 44. Survey Inter-Zonal Trip Lengths to and from the South Park Mall by Trip Purpose.

Trip Purpose	Person Trips			Auto-Driver Trips		
	Total Trips	Total Miles	Average Miles	Total Trips	Total Miles	Average Miles
HBW	260	2,324	8.94	174	1,702	9.78
HBNW	1,674	11,210	6.70	794	5,408	6.81
NHB	253	1,059	4.20	130	603	4.65
NON-RES	73	635	8.70	38	335	8.81

Table 45. Survey Inter-Zonal Travel Times to and from the South Park Mall by Trip Purpose.

Trip Purpose	Person Trips			Auto-Driver Trips		
	Total Trips	Total Minutes	Average Minutes	Total Trips	Total Minutes	Average Minutes
HBW	260	4,178	16.07	174	3,006	17.28
HBNW	1,674	21,257	12.70	794	10,130	12.76
NHB	253	4,235	16.77	130	1,192	9.21
NON-RES	73	1,058	14.49	38	562	14.79

TRAVEL OPTIONS

The San Antonio workplace and special generator intercept surveys included questions on how often the survey participants travel to the Austin, Dallas-Fort Worth (DFW), and Houston areas, and if they would use rail to travel to these areas should passenger rail service were available. Figure 13 through Figure 16 provides an overview of the survey responses, by percentage of the total number of survey participants for each survey group.

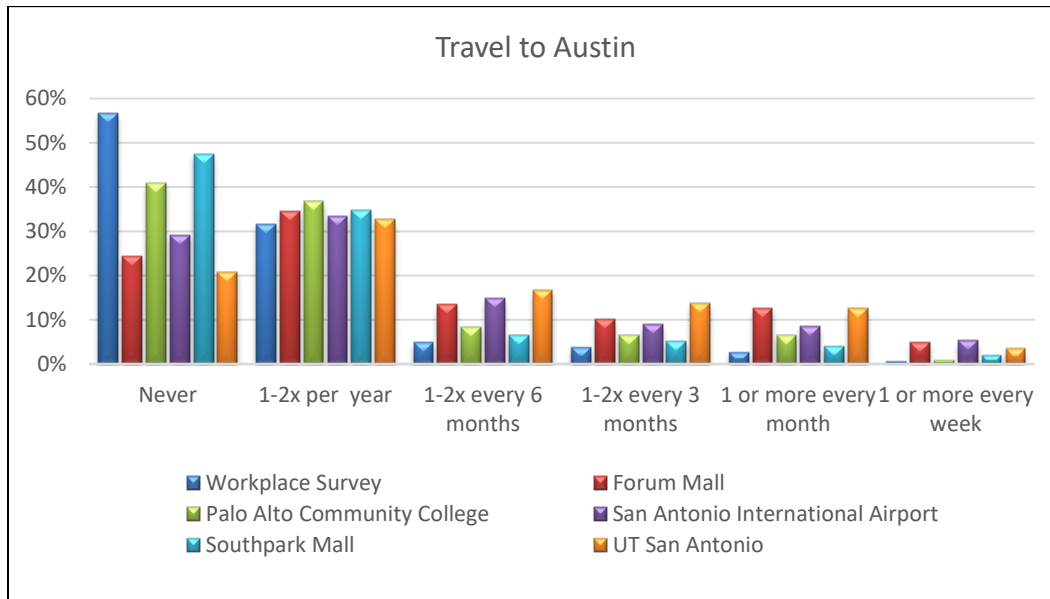


Figure 13. Travel Options to Austin.

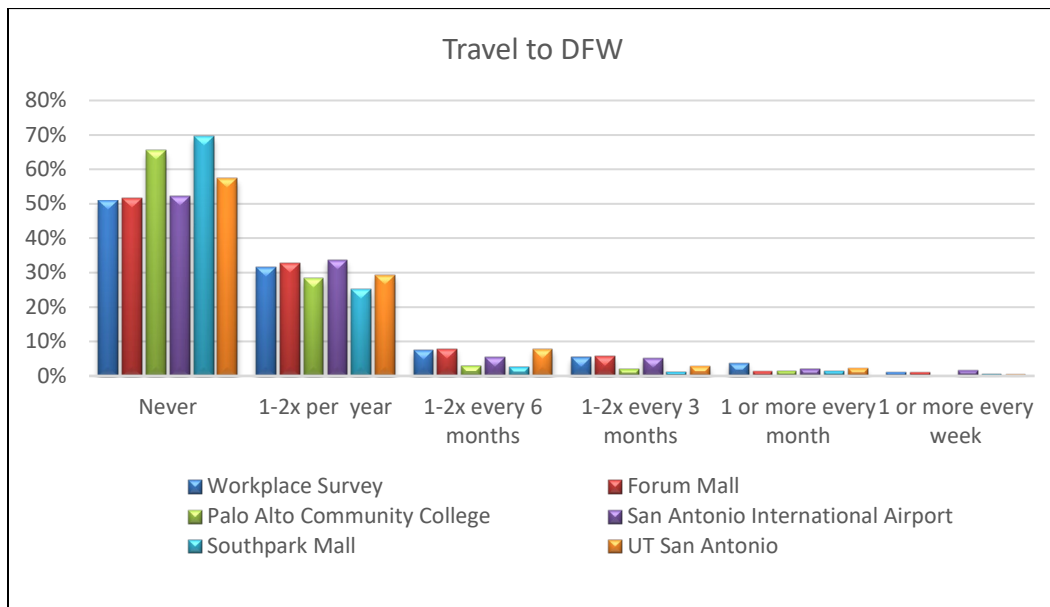


Figure 14. Travel Options to Dallas-Fort Worth.

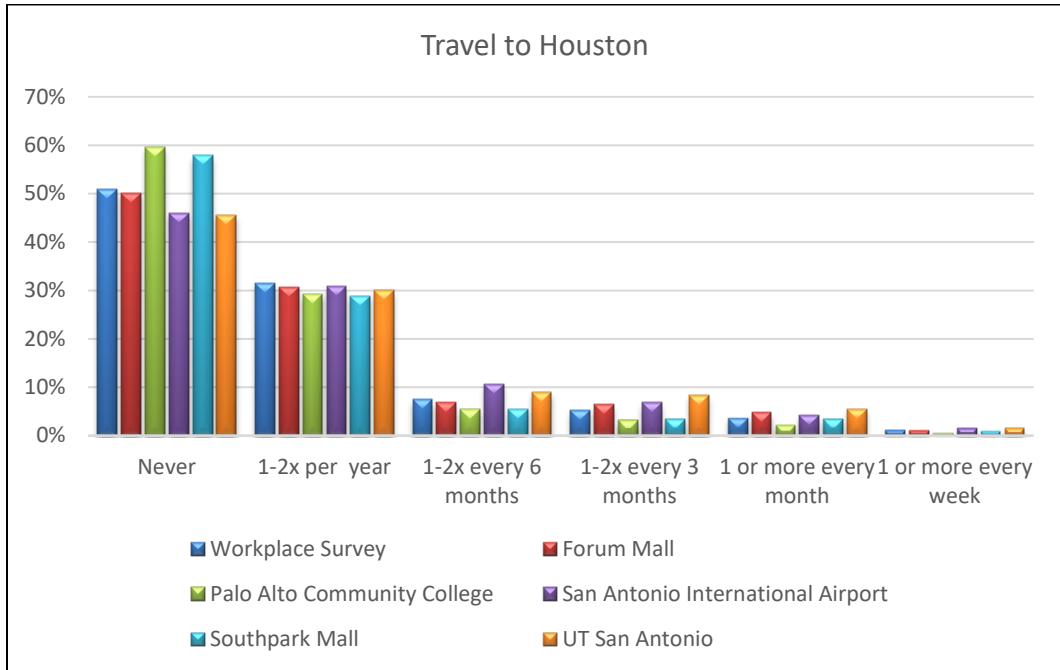


Figure 15. Travel Options to Houston.

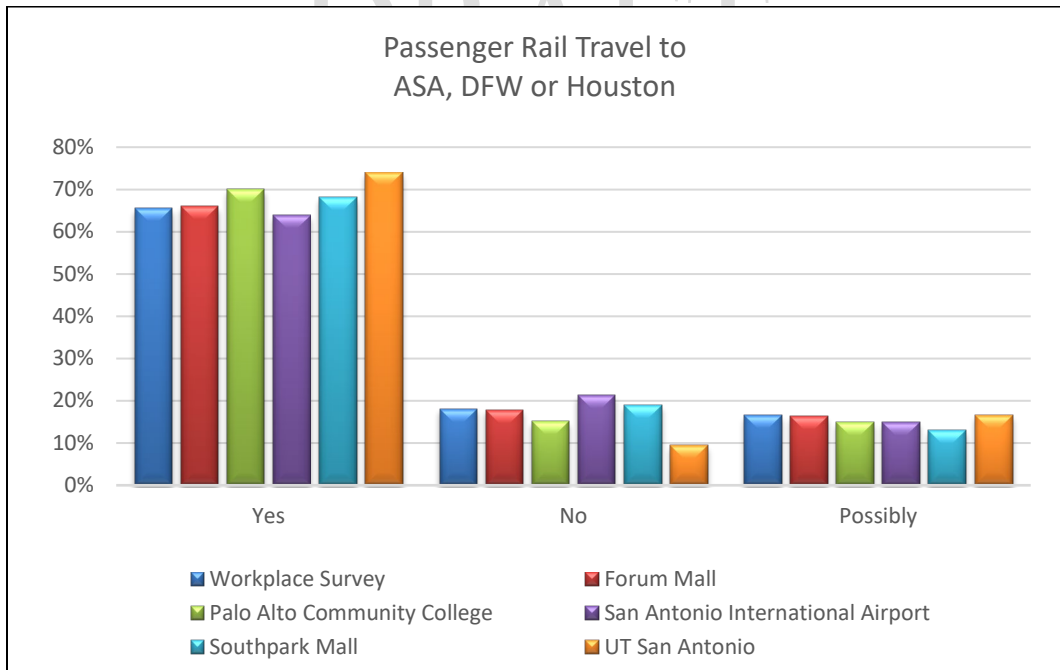


Figure 16. Passenger Rail Travel Options.

ANNUAL HOUSEHOLD INCOME

The San Antonio workplace and special generator intercept surveys also included a question on annual income of all household members. Figure 17 provides an overview of the survey responses, by percentage of the total number of survey participants, and the average annual household income for each survey group.

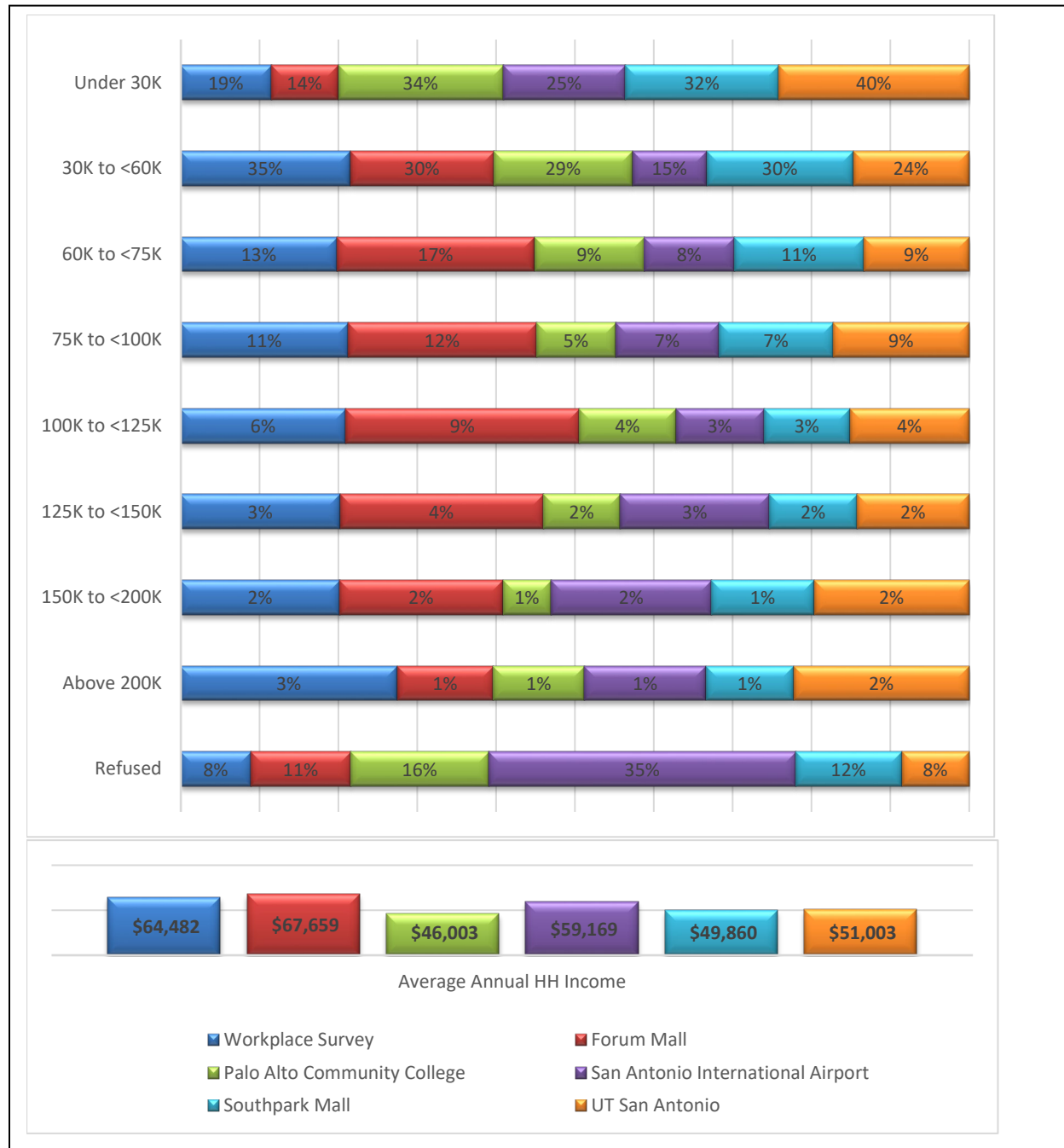


Figure 17. Annual (and Average) Household Income of Survey Participants.

DATA EXPANSION

The expansion of workplace and special generator survey data involved a series of steps. This section provides a general description of the expansion process.

The full survey trip data were aggregated by site and then linked with the employment and count data collected from the establishment survey. The person and vehicle counts at each site were used to expand the survey trip data. The total trips were counted separately for employees and visitors at free standing and non-freestanding establishments, and distinguished between residents and non-residents of the San Antonio study area. The total trips were classified by purpose, both from the origin to the workplace and from the workplace to the next destination, and summed as person trips (all travel modes, including walking and bicycle trips) and auto-driver trips (all trips by drivers and passengers of cars, trucks, and vans, including commercial cargo transport and service vehicles) for each trip purpose category.

The survey employee trips were expanded first to estimate the total employee person trips and employee auto-driver trips by purpose. The process involved dividing the survey employee trips for each category purpose by the number of employee surveys and then multiplying this number by the total number of employees reported to be at work during the survey day. The expanded employee person/auto-driver trips were subtracted from the total person/vehicle count at the site to yield the total visitor person/auto-driver trips to the site.

The survey visitor person/auto-driver trips were used to establish the proportion of visitor trips for each trip purpose category. These percentages were applied to the total estimated visitor trips to yield the visitor person/auto-driver trips by purpose. The average visitor vehicle occupancy rates were based on the auto-driver mode of travel and were calculated for each trip purpose. These occupancy rates were used to convert the expanded visitor person trips to auto-driver trips, or visitor auto-driver trips to person trips, depending on whether a vehicle count or a person count was conducted at the site.

After the data were expanded for each site, the results were aggregated by employment category and area type. The results from the full survey sites were then used to estimate the number of employee and visitor trips by purpose and employment category at the partial survey sites. The person and vehicle counts at each partial survey site were used to expand the trip estimates. Table 46 provides a summary of the establishment data by area type and employment category. The total person, non-CV, and CV counts represent the total person, auto-driver, and CV trips generated at the surveyed establishments, respectively.

Table 46. San Antonio Workplace Survey Data Summary by Area Type and Employment Category.

Area Type	Item	Employment Category				
		Basic	Retail	Service	Education	Total
CBD	Number of sites	0	1	3	0	4
	Total employment	0	2	60	0	62
	Employees at work	0	1	54	0	55
	Total person count	0	12	822	0	834
	Total non-CV count	0	8	637	0	645
	Total CV count	0	0	8	0	8
	Total school bus count	0	0	0	0	0
CBD Fringe	Number of sites	22	50	50	13	135
	Total employment	653	825	473	922	2,873
	Employees at work	247	521	431	915	2,114
	Total person count	2,546	30,905	7,530	13,620	54,601
	Total non-CV count	1,989	22,287	5,810	10,107	40,194
	Total CV count	51	92	106	78	327
	Total school bus count	0	0	0	308	308
Urban	Number of sites	26	47	36	22	131
	Total employment	302	841	636	1,806	3,585
	Employees at work	256	554	541	1,804	3,155
	Total person count	1,793	33,913	8,811	30,874	75,391
	Total non-CV count	1,496	24,431	6,813	23,112	55,852
	Total CV count	100	198	124	138	560
	Total school bus count	0	0	4	948	952
Suburban	Number of sites	24	29	26	19	98
	Total employment	259	473	374	1,376	2,482
	Employees at work	199	320	323	1,370	2,212
	Total person count	2,701	20,186	2,927	21,497	47,311
	Total non-CV count	2,106	14,906	2,330	16,617	35,959
	Total CV count	124	172	34	92	422
	Total school bus count	0	0	0	846	846
Rural	Number of sites	6	8	5	1	20
	Total employment	61	45	24	100	230
	Employees at work	58	32	23	95	208
	Total person count	703	3,628	376	905	5,612
	Total non-CV count	505	2,578	295	714	4,092
	Total CV count	14	20	12	6	52
	Total school bus count	0	0	0	62	62
Total	Number of sites	78	135	120	55	388
	Total employment	1,275	2,186	1,567	4,204	9,232
	Employees at work	760	1,428	1,372	4,184	7,744
	Total person count	7,743	88,644	20,465	66,896	183,749
	Total non-CV count	6,096	64,211	15,885	50,550	136,741
	Total CV count	289	482	284	314	1,369
	Total school bus count	0	0	4	2,164	2,168

Table 47 and Table 48 provide the expanded person and auto-driver trips by purpose, and by area type for each category of employment, respectively. The total number of trips by trip purpose were then divided by the total employment (in Table 46) to develop the attraction rates (in Table 49 and Table 50). The total expanded trips do not include the external trips and “not first store” trips to the surveyed workplaces.

Table 47. San Antonio Workplace Survey Person Trips by Purpose, Area Type, and Employment Category.

Trip Purpose	Area Type	Total Trips				Grand Total
		Basic	Retail	Service	Education	
HBW	CBD	0	2	99	0	101
	CBD Fringe	426	896	738	1,786	3,846
	Urban	494	1,130	966	3,211	5,801
	Suburban	346	483	586	2,277	3,693
	Rural	90	54	32	164	339
	Total	1,357	2,564	2,421	7,439	13,780
HBNW	CBD	0	3	480	0	482
	CBD Fringe	1,447	19,444	4,672	8,568	34,130
	Urban	877	21,289	5,392	21,034	48,592
	Suburban	1,332	12,119	1,341	16,032	30,824
	Rural	347	1,835	167	556	2,905
	Total	4,003	54,688	12,052	46,190	116,933
NHB-D	CBD	0	1	77	0	78
	CBD Fringe	224	4,013	642	830	5,709
	Urban	188	4,781	951	2,432	8,352
	Suburban	350	2,742	318	1,059	4,469
	Rural	73	456	45	62	638
	Total	836	11,993	2,033	4,384	19,246
NHB-O	CBD	0	5	127	0	132
	CBD Fringe	388	4,946	1,214	2,436	8,984
	Urban	225	5,126	1,059	4,186	10,596
	Suburban	441	3,348	535	2,087	6,410
	Rural	69	520	131	121	840
	Total	1,123	13,944	3,066	8,829	26,963
NON-RES	CBD	0	0	31	0	31
	CBD Fringe	50	1,028	193	0	1,271
	Urban	0	631	334	6	971
	Suburban	226	740	133	42	1,141
	Rural	125	637	0	1	764
	Total	0	2	99	0	101
Total Person Trips		7,719	86,226	20,263	66,891	181,100

Table 48. San Antonio Workplace Survey Auto-Driver Trips by Purpose, Area Type, and Employment Category.

Trip Purpose	Area Type	Total Trips				Grand Total
		Basic	Retail	Service	Education	
HBW	CBD	0	2	97	0	99
	CBD Fringe	389	810	678	1,458	3,334
	Urban	476	991	832	3,059	5,358
	Suburban	313	434	562	2,128	3,438
	Rural	81	51	29	151	313
	Total		1,259	2,289	2,198	6,795
HBNW	CBD	0	1	360	0	361
	CBD Fringe	1,077	13,930	3,516	6,228	24,752
	Urban	670	15,267	4,121	15,230	35,288
	Suburban	1,034	8,918	1,018	11,951	22,920
	Rural	250	1,316	128	417	2,111
	Total		3,031	39,433	9,143	33,826
NHB-D	CBD	0	1	59	0	60
	CBD Fringe	174	2,916	500	608	4,197
	Urban	156	3,429	760	1,758	6,103
	Suburban	270	2,050	241	841	3,402
	Rural	56	326	35	49	467
	Total		656	8,722	1,595	3,256
NHB-O	CBD	0	3	98	0	101
	CBD Fringe	300	3,620	941	1,814	6,674
	Urban	187	3,671	824	3,055	7,737
	Suburban	347	2,479	411	1,655	4,891
	Rural	52	372	101	95	620
	Total		886	10,144	2,375	6,619
NON-RES	CBD	0	0	17	0	17
	CBD Fringe	42	597	121	0	760
	Urban	0	395	194	6	595
	Suburban	138	462	88	42	730
	Rural	66	424	0	1	491
	Total		245	1,877	421	50
Total Auto-Driver Trips		6,077	62,466	15,732	50,546	134,821

Table 49 and Table 50 show the survey person and auto-driver trip attraction rates by purpose by area type for each category of employment, respectively. The NHB trips represented the average of NHB origin and destination trips. The NON-RES trips were divided by two to develop a rate for non-resident trip attractions.

Table 49. San Antonio Workplace Survey Observed, Unbalanced Person Trip Attraction Rates.

Trip Purpose	Area Type	Trips Per Employee			
		Basic	Retail	Service	Education
HBW	CBD	0.000*	1.000	1.653	0.000*
	CBD Fringe	0.653	1.086	1.560	1.937
	Urban	1.637	1.343	1.519	1.778
	Suburban	1.337	1.021	1.567	1.655
	Rural	1.467	1.190	1.319	1.638
HBNW	CBD	0.000*	1.250*	7.996	0.000*
	CBD Fringe	2.215	23.568	9.878	9.293
	Urban	2.905	25.313	8.480	11.647
	Suburban	5.145*	25.621	3.587*	11.651
	Rural	5.685*	40.778*	6.959	5.560*
NHB	CBD	0.000*	1.563*	1.701	0.000*
	CBD Fringe	0.469	5.429	1.962	1.771
	Urban	0.684	5.890	1.581	1.832
	Suburban	1.526*	6.437	1.140	1.143
	Rural	1.165*	10.846*	3.666*	0.918*
NON-RES	CBD	0.000*	0.000*	0.256	0.000*
	CBD Fringe	0.039	0.624	0.204	0.000*
	Urban	0.000*	0.376	0.263	0.002
	Suburban	0.436	0.783	0.179	0.015
	Rural	1.025*	7.082*	0.005*	0.010

Note: Attraction rates represent observed rates. *The low/high rates in the CBD and Rural area types for Basic and Retail trips were the result of a small sample, or were the case of a low/high number of observations relative to the total employment for Basic and Service trips in the Suburban area type. The null trip rates at CBD Basic and Education were due to surveys not being conducted at these locations, or there were no observations for the particular trip purpose (i.e., NON-RES at Basic Urban and Education CBD Fringe).

Table 50. San Antonio Workplace Survey Observed, Unbalanced Auto-Driver Trip Attraction Rates.

Trip Purpose	Area Type	Trips Per Employee			
		Basic	Retail	Service	Education
HBW	CBD	0.000*	1.000	1.620	0.000*
	CBD Fringe	0.596	0.982	1.433	1.581
	Urban	1.576	1.179	1.308	1.694
	Suburban	1.210	0.918	1.504	1.546
	Rural	1.322	1.141	1.227	1.511
HBNW	CBD	0.000*	0.714*	5.993	0.000*
	CBD Fringe	1.649	16.885	7.434	6.755
	Urban	2.219	18.153	6.480	8.433
	Suburban	3.993	18.854	2.721*	8.685
	Rural	4.100	29.248*	5.323	4.171
NHB	CBD	0.000*	0.893*	1.310	0.000*
	CBD Fringe	0.363	3.961	1.523	1.313
	Urban	0.568	4.221	1.245	1.332
	Suburban	1.191	4.787	0.871*	0.907
	Rural	0.889	7.753*	2.844	0.722
NON-RES	CBD	0.000*	0.000*	0.144	0.000*
	CBD Fringe	0.039	0.362	0.129	0.000*
	Urban	0.000*	0.235	0.152	0.002
	Suburban	0.266	0.489	0.119	0.015
	Rural	0.539	4.709*	0.005	0.006

Note: Attraction rates represent observed rates. *The low/high rates in the CBD and Rural area types for Basic and Retail trips were the result of a small sample, or were the case of a low/high number of observations relative to the total employment for Basic and Service trips in the Suburban area type. The null trip rates at CBD Basic and Education were due to surveys not being conducted at these locations, or there were no observations for the particular trip purpose (i.e., NON-RES at Basic Urban and Education CBD Fringe).

The CV and school bus counts at each site were aggregated by area type and employment category, and then divided by the total employment. The resulting total estimates were then divided by two to develop attraction rates for CV and school bus trips. Table 51 shows the observed CV and school bus attraction rates by area type and total attractions for each category of employment.

Table 51. San Antonio Workplace Survey Observed CV and School Bus Trip Attraction Rates and Total Attractions.

Area Type	Commercial Vehicle Trips Per Employee				School Bus Trips Per Employee			
	Basic	Retail	Service	Education	Basic	Retail	Service	Education
CBD	0.000	0.000	0.067	0.000	0.000	0.000	0.000	0.000
CBD Fringe	0.039	0.056	0.112	0.042	0.000	0.000	0.000	0.167
Urban	0.166	0.118	0.097	0.038	0.000	0.000	0.003	0.262
Suburban	0.239	0.182	0.045	0.033	0.000	0.000	0.000	0.307
Rural	0.115	0.222	0.250	0.030	0.000	0.000	0.000	0.310
Average Attraction Rate	0.113	0.110	0.091	0.037	0.000	0.000	0.001	0.257
Total Attractions	36,575	27,477	37,167	2,005	-	-	523	13,815

Note: Attraction rates represent observed and unbalanced rates. The null trip rates indicate that no CVs or school buses were counted at these locations. The school bus attractions are presented to account for the trips generated by this mode in the study area.

Table 52 and Table 53 provide the person and auto-driver trip attractions and rates for the San Antonio university and college special generators. Table 54 and Table 55 provide the person and auto-driver trip attraction rates for the San Antonio airport and retail special generators. The data expansion procedures used were similar to the full workplace survey sites. The attraction rates were developed by dividing the expanded trips by purpose by the total employment at the special generator. The external trips were removed from the analysis. The NHB trips represented the average of the NHB origin and destination trips to develop a rate for NHB attractions. The NON-RES trips were divided by two to develop a rate for non-resident trip attractions. The CV counts were divided by two to develop a rate for CV trip attractions. The school bus counts were converted to attractions are shown to account for the trips generated by this mode. The external (EXT) trips are shown for informational purposes only.

**Table 52. San Antonio Special Generator Survey Person Trip Attractions and Rates
– University and College.**

Trip Purpose	UT San Antonio (Employment=6,000)		Palo Alto College (Employment=250)	
	Total Attractions	Trips per Employee	Total Attractions	Trips per Employee
HBW	9,456	1.576	655	2.618
HBNW Retail	0	0.000	0	0.000
HBNW Other	37,101	6.184	8,190	32.760
NHB	2,275	0.379	725	2.900
EXT	0	0.000	14	0.057
NON-RES	485	0.081	554	2.216

**Table 53. San Antonio Special Generator Survey Auto-Driver Trip Attraction Estimates
– University and College.**

Trip Purpose	UT San Antonio (Employment=6,000)		Palo Alto College (Employment=250)	
	Total Attractions	Trips per Employee	Total Attractions	Trips per Employee
HBW	8,826	1.471	578	2.313
HBNW Retail	0	0.000	0	0.000
HBNW Other	32,925	5.487	6,869	27.477
NHB	2,036	0.339	613	2.450
EXT	0	0.000	12	0.048
NON-RES	445	0.074	468	1.872
CV	114	0.019	25	0.100
School Bus	766	0.128	147	0.586

**Table 54. San Antonio Special Generator Survey Person Trip Attractions and Rates
– Airport and Retail.**

Trip Purpose	SAT (Employment=5,000)		Forum Mall (Employment=425)		South Park Mall (Employment=1,175)	
	Total Attractions	Trips per Employee	Total Attractions	Trips per Employee	Total Attractions	Trips per Employee
HBW	11,178	2.236	1,006	2.367	1,904	1.620
HBNW Retail	0	0.000	38,929	91.597	23,883	20.326
HBNW Other	47,194	9.439	0	0.000	0	0.000
NHB	5,191	1.038	6,491	15.273	3,841	3.269
EXT	301	0.060	87	0.206	14	0.012
NON-RES	6,911	1.382	1,096	2.579	1,451	1.235

**Table 55. San Antonio Special Generator Survey Auto-Driver Trip Attraction Estimates
– Airport and Retail.**

Trip Purpose	SAT (Employment=5,000)		Forum Mall (Employment=425)		South Park Mall (Employment=1,175)	
	Total Attractions	Trips per Employee	Total Attractions	Trips per Employee	Total Attractions	Trips per Employee
HBW	10,197	2.039	812	1.911	1,588	1.352
HBNW Retail	0	0.000	27,830	65.484	12,956	11.026
HBNW Other	37,246	7.449	0	0.000	0	0.000
NHB	4,367	0.873	4,492	10.568	2,111	1.797
EXT	256	0.051	69	0.161	8	0.007
NON-RES	4,741	0.948	756	1.779	827	0.704
CV	1,233	0.245	71	0.167	129	0.110
School Bus	519	0.104	7	0.016	6	0.005

MODEL RATE DEVELOPMENT

The workplace survey data were converted into recommended attraction rates for use as inputs to the travel demand model. Attraction rates, defined as the estimated number of attractions per employee, were developed for each trip purpose, area type, and employment category. The NHB origin and destination trips were combined and divided by two to develop an attraction rate for NHB trips. The NON-RES trips were divided by two to develop an attraction rate for non-resident travel. The external trips were removed from the analysis because these trips are estimated using the external survey and input to the travel demand model directly.

Table 56 and Table 57 show the person and auto-driver trip attraction rates by employment category and trip purpose, as calculated from the survey trip data, respectively.

Table 56. San Antonio Workplace Survey Person Trip Attraction Rates by Employment Category and Trip Purpose.

Employment Category	HBW	HBNW	NHB	NON-RES
Basic	1.064	3.140	0.768	0.160
Retail	1.173	25.017	5.933	0.695
Service	1.545	7.691	1.627	0.221
Education (K to12)	1.769	10.987	1.571	0.006

Table 57. San Antonio Workplace Survey Auto-Driver Trip Attraction Rates by Employment Category and Trip Purpose.

Employment Category	HBW	HBNW	NHB	NON-RES
Basic	0.987	2.377	0.605	0.100
Retail	1.047	18.039	4.315	0.430
Service	1.403	5.835	1.267	0.135
Education (K to12)	1.616	8.046	1.175	0.006

The next step in model trip rate development involved applying the survey attraction rates to the overall employment estimates for the study area. Table 58 provides the employment estimates for the San Antonio area that were used to estimate the total trip attractions and develop the attraction rates by employment category and area type for the San Antonio study area. These estimates were obtained from the AAMPO zonal demographic data.

Table 58. Total Employment in San Antonio Study Area by Employment Category and Area Type.

Area Type	Total Employment				Total
	Basic	Retail	Service	Education (K-12)	
CBD	3,966	12,603	30,718	315	47,602
CBD Fringe	166,027	96,930	195,272	12,943	471,172
Urban	60,726	81,471	103,883	18,470	264,550
Suburban	72,443	47,088	66,728	17,488	203,747
Rural	19,557	11,140	13,546	4,460	48,703
Total	322,719	249,232	410,147	53,676	1,035,774

Source: AAMPO, 2017 TAZ employment estimates.

Table 59 and Table 60 provide the total person and auto-driver trip attractions for the San Antonio study area by employment category and trip purpose. It is important to note that the person trip attractions generated at the Education establishments appeared low and under-estimated. The counts conducted at the schools were either of persons or vehicles, and school buses. Only 7 out of the total 55 schools that were surveyed conducted person counts and 48 schools had vehicles counted. It was apparent that the student bus riders were not being captured from the vehicle counts, since person trips were estimated based on the average vehicle occupancy. With 2,164 school buses reported to have entered and exited the schools during the travel survey day, and assuming an occupancy of 35 persons per school bus, an estimated 75,740 school person trips were generated from this mode. To ensure that students were not counted twice, only those school buses in schools where vehicle counts were conducted, totaling 1,180 school buses, should be included in the conversion. The resulting estimate was 65,800 person trips, which when converted to attractions yield a total of 32,900 HBNW school person trips. These estimates were added to the HBNW person trip originally estimated from the survey, and the average HBNW Education person attraction rate increased from 10.987 to 18.813 school person trips per employee.

Table 59. San Antonio Study Area Total Person Trip Attractions by Employment Category and Trip Purpose.

Employment Category	HBW	HBNW	NHB	NON-RES	Total
Basic	343,373	1,013,338	247,848	51,635	1,656,194
Retail	292,349	6,235,037	1,478,693	173,092	8,179,171
Service	633,677	3,154,441	667,309	90,437	4,545,864
Education (K to12)	94,953	1,009,807*	84,325	322	1,189,406
Total	1,364,352	11,412,622	2,478,176	315,486	15,570,636

*School bus person trips were added to the HBNW Education attractions to account for the students that were transported by school buses and were not captured from the vehicle counts.

Table 60. San Antonio Study Area Total Auto-Driver Trip Attractions by Employment Category and Trip Purpose.

Employment Category	HBW	HBNW	NHB	NON-RES	Total
Basic	318,524	767,103	195,245	32,111	1,312,982
Retail	260,946	4,495,896	1,075,436	107,045	5,939,323
Service	575,436	2,393,208	519,656	55,165	3,543,465
Education (K to12)	86,740	431,877	63,069	322	582,009
Total	1,241,646	8,088,084	1,853,407	194,643	11,377,779

Table 61 and Table 62 provide the adjusted person and auto-driver attraction rates by area type. The sample at the CBD and Rural area types were significantly less compared to the other area types. In particular, there was only one sample at the Retail CBD that generated a low trip rate given its minimum employment and negligible count at the site. There were no observations at Basic CBD and Education CBD which resulted in null trip rates. To address the variability in the rates across area types, the low and null trip rates were replaced with the overall average attraction rate within the same employment category. The trip rates were then adjusted to balance with the aggregate attraction estimates for each category.

Table 61. San Antonio Workplace Survey Adjusted, Unbalanced Person Trip Attraction Rates by Purpose, Area Type, and Employment Category.

Trip Purpose	Area Type	Trips Per Employee			
		Basic	Retail	Service	Education
HBW	CBD	1.064*	1.000	1.653	1.769*
	CBD Fringe	0.653	1.086	1.560	1.937
	Urban	1.637	1.343	1.519	1.778
	Suburban	1.337	1.021	1.567	1.655
	Rural	1.467	1.190	1.319	1.638
HBNW Retail	CBD		25.017*		
	CBD Fringe		23.568		
	Urban		25.313		
	Suburban		25.621		
	Rural		25.017*		
HBNW Other	CBD	3.140*		7.996	
	CBD Fringe	2.215		9.878	
	Urban	2.905		8.480	
	Suburban	3.140*		7.691*	
	Rural	3.140*		6.959	
HBNW School**	CBD				18.813*
	CBD Fringe				13.924**
	Urban				20.038**
	Suburban				20.655**
	Rural				16.410**
NHB	CBD	0.768*	5.933*	1.701	1.571*
	CBD Fringe	0.469	5.429	1.962	1.771
	Urban	0.684	5.890	1.581	1.832
	Suburban	0.768*	6.437	1.140	1.143
	Rural	0.768*	5.933*	1.627*	0.918
NON-RES	CBD	0.160*	0.700*	0.256	0.006*
	CBD Fringe	0.039	0.624	0.204	0.006*
	Urban	0.160*	0.376	0.263	0.002
	Suburban	0.436	0.783	0.179	0.015
	Rural	1.025	0.700*	0.230*	0.010

Note: Attraction rates represent adjusted and unbalanced rates. *Rates indicate null or limited observations and were replaced with the overall average rate within the same employment category to address the variability of rates across area types. **The HBNW School rates include school bus person attractions to account for the students transported by school buses that were not captured from the vehicle counts.

Table 62. San Antonio Workplace Survey Adjusted, Unbalanced Auto-Driver Trip Attraction Rates by Purpose, Area Type, and Employment Category.

Trip Purpose	Area Type	Trips Per Employee			
		Basic	Retail	Service	Education
HBW	CBD	0.987*	1.000	1.620	1.616*
	CBD Fringe	0.596	0.982	1.433	1.581
	Urban	1.576	1.179	1.308	1.694
	Suburban	1.210	0.918	1.504	1.546
	Rural	1.322	1.141	1.227	1.511
HBNW Retail	CBD		18.039*		
	CBD Fringe		16.885		
	Urban		18.153		
	Suburban		18.854		
	Rural		18.039*		
HBNW Other	CBD	2.377*		5.993	
	CBD Fringe	1.649		7.434	
	Urban	2.219		6.480	
	Suburban	2.377*		5.835*	
	Rural	2.377*		5.323	
HBNW School	CBD				8.046*
	CBD Fringe				6.755
	Urban				8.433
	Suburban				8.685
	Rural				4.171
NHB	CBD	0.605*	4.315*	1.310	1.175*
	CBD Fringe	0.363	3.961	1.523	1.313
	Urban	0.568	4.221	1.245	1.332
	Suburban	0.605*	4.787	0.871	0.907
	Rural	0.605*	4.315*	1.267*	0.722
NON-RES	CBD	0.100*	0.430*	0.144	0.006*
	CBD Fringe	0.039	0.362	0.129	0.006*
	Urban	0.100*	0.235	0.152	0.002
	Suburban	0.266	0.489	0.119	0.015
	Rural	0.539	0.430*	0.135*	0.006

Note: Attraction rates represent adjusted and unbalanced rates. *Rates indicate null or limited observations and were replaced with the overall average rate within the same employment category to address the variability of rates across area types.

Table 63 provides a summary of the travel estimates from the San Antonio workplace and CV travel surveys. The San Antonio Household Travel Survey is currently underway and not yet complete. . The final recommended attraction rates will be developed in coordination with travel demand model development. This coordination will include finalization of employment variables and household trip making variables (productions) necessary for developing balanced attraction rates which reflect internal trip productions.

Table 63. Travel Estimates from the San Antonio Travel Surveys.

Trip Purpose	Workplace Survey (2017/2018)		Household Survey (in-process)		Commercial Vehicle Survey (2018/2019)
	Person Trips	Auto- Driver Trips	Person Trips	Auto- Driver Trips	CV Trips
HBW	1,364,352	1,241,646	NA	NA	-
HBNW Retail	6,235,037	4,495,896	NA	NA	-
HBNW Other	4,167,778	3,160,311	NA	NA	-
HBNW Education (K to 12)	1,009,807*	431,877	NA	NA	-
NHB	2,478,176	1,853,407	NA	NA	-
NON-RES	315,486	194,643	-	-	-
All Purposes	15,570,636	11,377,780	NA	NA	-
School Bus Trips		14,338			
Commercial Vehicle Trips		103,224	-	-	468,431

*The HBNW Education person trip attractions include school bus person trips to account for the students that were transported by school buses and were not captured from the vehicle counts.

Table 64 provides the adjusted and unbalanced CV rates, as developed from the San Antonio Workplace Survey, with CV and school buses combined. Table 65 provides the recommended CV attraction rates by area type and employment category, as developed from balancing the workplace CV rates with the total CV internal trip estimates from the 2018/2019 San Antonio Commercial Vehicle Survey. The CV rates at CBD Basic, Retail, and Education employment indicate that no CVs were counted at these locations. Rates must be developed for these cells and were set to equal the overall CV attraction rate for the same employment category. The CV rates were balanced and applied to the total employment estimates for the San Antonio study area to establish the total CV attractions for each employment category. The aggregate CV attractions for each employment category, when summed, match with the CV control total of 468,341 internal trips. The CV rate of 0.090 per household was held constant across area types.

Table 64. San Antonio Workplace Survey Adjusted, Unbalanced CV Attraction Estimates by Area Type and Employment Category.

Area Type	CV Trips Per Employee			
	Basic	Retail	Service	Education
CBD	0.113*	0.110*	0.067	0.295*
CBD Fringe	0.039	0.056	0.112	0.209
Urban	0.166	0.118	0.101	0.301
Suburban	0.239	0.182	0.045	0.341
Rural	0.115	0.222	0.250	0.340
Average Attraction Rate	0.113	0.110	0.092	0.295
Total Attractions	36,575	27,477	37,691	15,819

*CV rates represent adjusted and unbalanced rates as developed from the San Antonio Workplace Survey, with CVs and school buses combined. The CBD rates at Basic, Retail, and Education employment were replaced with the average CV rates for the same employment category to address the issue of null trip rates due to zero observations.

Table 65. Balanced Commercial Vehicle Trip Attraction Rates and Total CV Attractions.

Area Type	CV Trips Per Employee				Trips Per Household
	Basic	Retail	Service	Education	
CBD	0.451	0.439	0.266	1.174	0.090
CBD Fringe	0.156	0.222	0.446	0.834	0.090
Urban	0.660	0.469	0.401	1.198	0.090
Sub-Urban	0.954	0.724	0.181	1.358	0.090
Rural	0.457	0.885	0.996	1.354	0.090
All Area Types	0.451	0.439	0.366	1.174	0.090
Total Attractions	145,706	109,463	150,151	63,021	468,341

Note: Attraction rates represent balanced and adjusted rates to match the CV Control Total estimates from the 2018/2019 San Antonio Commercial Vehicle Survey.

SURVEY SUMMARY

The TxDOT TPP Division funded the San Antonio Workplace and Special Generator Survey in 2017. The surveys collected data on the travel characteristics of employees and non-employees at basic, retail, service, and education establishments. These data are used for updating and forecasting travel demand within the San Antonio urban area.

The workplace survey consisted of five data collection efforts, which involved a general establishment survey, an intercept interview survey, a person or non-CV count, a school count, and a CV count. The surveyed establishments were classified as either full survey sites or partial survey sites. The full survey sites consisted of 192 establishments, with a total reported employment of 3,899 of which 88 percent were reported to be at work during the travel survey day. A total of 1,993 employees and 3,900 non-employees/visitors participated in the intercept interviews. The partial survey sites consisted of 196 establishments, with total reported employment of 5,333, of which 81 percent were reported to be at work during the survey day. The partial sites did not include intercept interview surveys. The survey findings indicated that a total of 159,883 pedestrians, 149,758 non-CVs, 1,369 CVs, and 2,168 school buses entered and exited the surveyed establishments during the travel survey period.

The special generator survey consisted of data collection efforts at five facilities — the San Antonio International Airport, the University of Texas at San Antonio, Palo Alto College, the Forum Mall, and the South Park Mall. The data collection efforts for the special generator survey were similar to the workplace survey.

The expansion of workplace and special generator survey data involved a series of procedures to develop the trip rate estimates for each trip purpose category based on employment and count data. The final analysis will require balancing the aggregate estimates of trip attractions from the San Antonio workplace surveys to match the aggregate estimates of trip productions from the San Antonio household travel surveys. The San Antonio Household Travel Survey is currently underway and not yet complete. The final recommended attraction rates will be developed in coordination with travel demand model development. This coordination will include finalization of employment variables and household trip making variables (productions) necessary for developing balanced attraction rates which reflect internal trip productions.

The CV trip attraction rates that were developed from the San Antonio workplace surveys were balanced to match with the total 468,341 CV internal trip estimates from the 2018/2019 San Antonio Commercial Vehicle Travel Survey.

The HBNW School person trip attractions from the Austin Workplace Survey included school bus person trips to account for the students that were transported by school buses and were not captured from the vehicle counts.

Adjustments made to the observed trip rates are highly sensitive to the amount of employment and distribution of employment. The area types and employment estimates used in the analysis to estimate the trip attractions and develop the trip attraction rates were based on the AAMPO 2017 TAZ data. The 2017 employment data will need to be updated to the year the household survey based its production estimates, and apply them to the developed attraction rates to update the aggregate attraction estimates and ensure congruence during trip balancing with the household productions. It is also anticipated that the attraction rates presented in this report may require smoothing and further adjustments during the calibration phase of the travel demand model for the San Antonio study area.

DRAFT

**APPENDIX A:
WORKPLACE TRAVEL SURVEY FORMS**

DRAFT

WORKPLACE RECRUITMENT AND GENERAL SURVEY

Form A

SAMPLE NUMBER: _____ RECRUITER: _____
 DATE: ____ / ____ / ____ COMPANY NAME: _____
 ADDRESS: _____
 CONTACT NAME / POSITION: _____ / _____
 COMPANY PHONE: _____ FAX NUMBER: _____
 EMPLOYMENT TYPE: _____ EMAIL: _____

Hello, my name is _____ from (vendor name). We are working with the Texas Department of Transportation to collect travel data at area businesses. May I speak to the owner or manager, please?

(If you have to call back, get):

The manager or owner's name: _____

And, a good time to call back: _____

(If you are transferred to the owner or manager, repeat):

Hello, my name is _____ from (vendor name). We are working with the Texas Department of Transportation to collect travel data at area businesses. Your business has been randomly selected to participate in this data collection effort because TxDOT needs information about where traffic is being generated. Do you have time for me to explain how the data collection would work? It will take about 3 minutes.

If yes, continue. If NO, when can I call back? _____

If a refusal, ask if they can provide some information to assist in this study, if yes ask preliminary questions, if no thank them.

- For one single day, we would have a person outside of your business, a discrete distance away from your business. After visitors and employees leave your business, we would ask them politely to answer a few questions about where they came from and where they are going to.

Would you be willing to participate in this data collection effort?

If yes, ask:

We'll need to coordinate with someone at your workplace on the survey day. Should we coordinate with you or is there someone else you would like us coordinate with on the day of the survey?

(Name: _____). Then ask the Preliminary Questions.

If no, ask: I just explained the longer version of our data collection effort. Would you be willing to allow us to just place traffic counters at the entrances to your business? In this case no one would ask your visitors or employees any questions, but we could still get data on the amount of traffic your business generates each day.

If the answer is yes,

We'll need to coordinate with someone at your workplace on the survey day. Should we coordinate with you or is there someone else you would like us coordinate with on the day of the survey?

(Name: _____). Tell them that we will call them back in a couple of days to let them know the day we will be there to perform the counts. Thank them and ask the Preliminary Questions.

If they have agreed to participate in the survey, tell them you need to get some preliminary information from them to assist in planning the data collection effort at their location.

If they did not agree to participate in the survey, tell them they can assist the study by answering a few questions about their business and where it is located.

PRELIMINARY QUESTIONS

First, let me verify your address (**front page**).

- 1. How many full and part time employees are located at your site? EMPLOYEES _____ #
- 2. On a typical week day, how many persons visit this location? VISITORS _____ #
- 3. On a typical week day, how many employees do you have working at this location? _____ #
- 4. What are your hours of operation? FROM _____ am/pm, TO _____ am/pm
- 5. Are you in a shopping center or in an office building? _____.

If yes, are any other companies in the shopping center or office building?

Yes No (circle one)

- 6. Does the building you are in have its own parking lot? Yes No (circle one)

Is this parking shared between your business and other businesses? Yes No (circle one)

Do people use your parking lot **or driveway** as a cut through to access other businesses?

Yes No (circle one)

- 7. How many deliveries are made at this location on an average day? _____ #

8. What are the delivery hours? FROM _____ : _____ am/pm, TO _____ : _____ am/pm

9. As part of the survey, it is important that we survey persons from all entry and exit points to the building. Do you have a special door for deliveries or for employees? Yes No (circle one)

- 10. How many vehicles are owned and/or leased by your company for business use in this area? _____ #

How many of these are:

_____ passenger car or sport utility vehicle

_____ pickup truck

_____ van used for cargo delivery or pickup

_____ van used as a service vehicle

If not one of the above categories, how many of these are:

_____ cargo transport vehicles

_____ vehicles used for service or other business purposes

- 11. What is the square footage of the building or buildings at this site that belong to your establishment? _____ # ft²

Field personnel should verify or obtain figure during the actual survey. For Non-Free-Standing establishments located in a shared building, only the square footage of the establishment's portion of the building should be reported.

- 12. If yours is the only establishment at this site, what is the size in acres of the lot where your establishment is located? _____ # acres

This field should be left blank for Non-Free-Standing establishments.

- 13. If yours is the only establishment at this site, how many parking spaces are there at this location? _____ # spaces

This field should be left blank for Non-Free-Standing establishments. For Free-Standing workplaces, field personnel should verify or obtain figure during the actual survey.

- 14. If your establishment has external servicing positions such as bank teller lanes or fuel pumps, how many are there? _____ #

Exclude drive-thru lanes at fast food establishments. Field personnel should verify or obtain figure during the actual survey.

Thank you very much. We will call you in a day or two to schedule an exact date for the data collection. If you have any questions about the survey, please don't hesitate to call _____ at ###-####.

WORKPLACE RECRUITMENT AND GENERAL SURVEY**Form A (SPANISH)**

NÚMERO DE IDENTIFICACIÓN: _____ RECLUTADOR: _____

FECHA: ____/____/____ NOMBRE DE LA COMPAÑÍA: _____

DIRECCIÓN: _____

NOMBRE DE CONTACTO / CARGO: _____ / _____

NÚMERO DE TELÉFONO DE LA COMPAÑÍA: _____ NÚMERO DE FAX: _____

TIPO DE EMPLEO: _____ CORREO ELECTRÓNICO: _____

Hola, me llamo _____ y soy de (nombre de compañía). Estamos trabajando con el Departamento de Transporte de Texas para recopilar datos de negocios locales referente a viajes en el área. ¿Puedo hablar con el dueño o gerente, por favor?

(Si tiene que volver a llamar, consiga):

El nombre del gerente o dueño: _____

Y, la hora apropiada para llamar de nuevo: _____

(Si pasan la llamada directamente al dueño o gerente, repita):

Hola, me llamo _____ y soy de (nombre de compañía). Estamos trabajando con el Departamento de Transporte de Texas para recopilar datos de negocios locales referente a viajes en el área. Su negocio ha sido escogido al azar para participar en este estudio porque TxDOT necesita información sobre dónde se genera el tráfico. ¿Le puedo explicar cómo funcionaría el proceso para obtener esta información? La explicación durará unos 3 minutos.

Si sí, continúe. Si NO, ¿Cuándo puedo volver a llamar? _____**Si se niega a contestar, pregunte si puede proporcionar información para ayudar con el estudio. Si sí, siga con las preguntas preliminares, si no agrádzcale.**

- Por un solo día, tendríamos una persona al exterior de su negocio, a una distancia discreta. Después que los visitantes y empleados salgan de su negocio, les haríamos unas preguntas de manera cortés sobre de dónde venían y a dónde van.

¿Estaría usted dispuesto a participar en este estudio?

Si sí, pregunte:

El día de la encuesta, tendremos que coordinar con alguien en su lugar de trabajo. ¿Debemos coordinar con usted, o hay otra persona con quien deberíamos coordinar en el día de la encuesta?

(Nombre: _____). Luego, siga con las Preguntas Preliminares.

Si no, pregunte: Acabo de explicar la versión larga de nuestro esfuerzo para recopilar datos. Como alternativa, ¿Nos permitiría usar contadores de tráfico en las entradas de su negocio? En este caso, nadie les haría preguntas a sus visitantes o empleados, pero todavía podríamos obtener información sobre el tráfico que genera su negocio cada día.

Si la respuesta es sí,

Tendremos que coordinar con alguien en su lugar de trabajo en el día de la encuesta. ¿Debemos coordinar con usted, o hay otra persona con quien deberíamos coordinar en el día de la encuesta?

(Nombre: _____). Explique que volveremos a llamar en unos días para informarles el día que estaremos presentes para contar el tráfico. Agrádzcales y siga con las Preguntas Preliminares.

Si aceptan participar en la encuesta, infórmeles que se necesita información preliminar para ayudar en la planeación de este esfuerzo.

Si no aceptan participar en la encuesta, dígales que pueden ayudar con el estudio respondiendo a unas preguntas sobre su negocio y la ubicación de su negocio.

PREGUNTAS PRELIMINARES

Primero, déjeme confirmar su dirección (**ver primera página**).

1. ¿Cuántos empleados en total (tiempo completo y tiempo parcial) trabajan en este sitio? EMPLEADOS _____ #
2. En un día típico de la semana (lunes a viernes), ¿Cuántas personas visitan este lugar? VISITANTES _____ #
3. En un día típico de la semana (lunes a viernes), ¿Cuántos empleados están trabajando en este lugar? _____ #
4. ¿Cuáles son las horas de operación? DE _____ am/pm, A _____ am/pm
5. ¿Está ubicado en un centro comercial o en un edificio de oficinas? _____
 Si sí, ¿Hay otras compañías en este centro comercial o edificio?
 Sí No (marque uno)
6. ¿El edificio tiene su propio estacionamiento? Sí No (marque uno)
 ¿Se comparte este estacionamiento entre su negocio y otros negocios? Sí No (marque uno)
 ¿Usa la gente su estacionamiento o entrada como un atajo para llegar a otros negocios?
 Sí No (marque uno)
7. ¿En un día típico, cuántas entregas se hacen a este sitio? _____ #
8. ¿Cuáles son las horas de entrega? DE _____ : _____ am/pm A _____ : _____ am/pm
9. Como parte del estudio, es importante que hagamos la encuesta en todas las entradas y salidas del edificio. ¿Tiene una puerta especial para entregas o para empleados? Sí No (marque uno)
10. ¿Cuántos vehículos propios o arrendados tiene su compañía para asuntos de negocio en esta área? _____ #

- ¿Cuántos de estos son:
- _____ auto o vehículo de utilidad deportiva/SUV
 - _____ camioneta
 - _____ van usado para recoger o entregar carga
 - _____ van usado como vehículo de servicio

Si no cae en una de las categorías arriba, ¿Cuántos son:

- _____ vehículos de transporte de carga
- _____ vehículos usados para servicio u otros propósitos de negocio

11. ¿Cuál es la cantidad de pies cuadrados del edificio o de los edificios en este lugar que pertenecen a su organización? _____ # pies²
El personal de campo debería verificar u obtener esta figura durante la encuesta. Para lugares de trabajo “Non-Free-Standing” que se encuentran en un edificio compartido, sólo la cantidad de pies cuadrados que corresponda a su porción del edificio debe ser reportada.

12. Si el suyo es el único lugar de trabajo en este sitio, ¿cuál es el tamaño en acres del terreno donde se ubica? _____ # acres
Esta pregunta es para lugares de trabajo “Free-Standing” solamente. Dejar en blanco para lugares de trabajo “Non-Free-Standing”.

13. Si el suyo es el único lugar de trabajo en este sitio, ¿Cuántas plazas de aparcamiento existen en el estacionamiento? _____ # plazas
Esta pregunta es para lugares de trabajo “Free-Standing” solamente. Dejar en blanco para lugares de trabajo “Non-Free-Standing”. El personal de campo debería verificar u obtener esta figura durante la encuesta.

14. Si su lugar de trabajo ofrece servicio al carro como carriles cajeros bancarios, o bombas de combustible ¿cuántos carriles hay? _____ #
Excluir a los carriles “drive-thru” en restaurantes de comida rápida. El personal de campo debería verificar u obtener esta figura durante la encuesta.

Muchas gracias. Le llamaremos en uno o dos días para programar la fecha exacta para la colección de datos. Si tiene alguna pregunta sobre la encuesta, por favor llame a _____ al ### ####.



WORKPLACE INTERCEPT SURVEY

Record 10 - Form B (English)

Free Standing Workplace Study Area: _____ Site #: _____

Date: _____ / _____ / _____

Address: _____

Interviewer: _____

Location: _____

Employment Type: _____

<u>Questions</u>	<u>Person 1</u>	<u>Person 2</u>
Time interview began	_____ am / _____ pm	_____ am / _____ pm
Time interview ended	_____ am / _____ pm	_____ am / _____ pm
1. Do you work in this building or at this location?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
2. In what city or town do you live?		
3a. In which county is that located? 3b. If outside of the counties listed above, what street or highway were you on when you entered the area and what side of the area is that on (N,S,E,W,NE,SE,SW,NW)?	a. <input type="checkbox"/> Bexar <input type="checkbox"/> Comal <input type="checkbox"/> Guadalupe <input type="checkbox"/> Kendal <input type="checkbox"/> Wilson <input type="checkbox"/> Medina <input type="checkbox"/> Atascosa <input type="checkbox"/> Other county (enter name) _____ b. _____	a. <input type="checkbox"/> Bexar <input type="checkbox"/> Comal <input type="checkbox"/> Guadalupe <input type="checkbox"/> Kendal <input type="checkbox"/> Wilson <input type="checkbox"/> Medina <input type="checkbox"/> Atascosa <input type="checkbox"/> Other county (enter name) _____ b. _____
4. What is your home address or the names of the nearest two intersecting streets?	_____ _____ (Address or nearest intersection)	_____ _____ (Address or nearest intersection)
5a. Did you travel here directly from your home with no stops? (If YES, go to Question 7) 5b. If NO, where did you start the trip that brought you here?	a. <input type="checkbox"/> Yes (Go to 7) <input type="checkbox"/> No (Go to 5b) b. _____ _____ (Address or nearest intersection)	a. <input type="checkbox"/> Yes (Go to 7) <input type="checkbox"/> No (Go to 5b) b. _____ _____ (Address or nearest intersection)
6a. In which county is that located? 6b. If outside of the counties listed, what street or highway were you on when you entered the area and what side of the area is that on (N,S,E,W,NE,SE,SW,NW)?	a. <input type="checkbox"/> Bexar <input type="checkbox"/> Comal <input type="checkbox"/> Guadalupe <input type="checkbox"/> Kendal <input type="checkbox"/> Wilson <input type="checkbox"/> Medina <input type="checkbox"/> Atascosa <input type="checkbox"/> Other county (enter name) _____ b. _____	a. <input type="checkbox"/> Bexar <input type="checkbox"/> Comal <input type="checkbox"/> Guadalupe <input type="checkbox"/> Kendal <input type="checkbox"/> Wilson <input type="checkbox"/> Medina <input type="checkbox"/> Atascosa <input type="checkbox"/> Other county (enter name) _____ b. _____
7. What approximate time did you arrive at this location today?	_____ am / _____ pm	_____ am / _____ pm
8. How did you arrive here today? (Choose from Arrival Options)	Arrival Option #: _____ Other: _____	Arrival Option #: _____ Other: _____
Arrival Options: 1) Driver (car/truck/van) 5) Transit Bus 9) Commercial Service Vehicle 2) Passenger (car/truck/van) 6) School Bus 10) Motorcycle 3) Walk 7) Taxi/Paid Limousine 96) Other (Specify) 4) Bicycle 8) Commercial Cargo Transport Vehicle 99) Refused		
9a. If car/truck/van, ask: How many people, including you, were in the vehicle? 9b. If bus, ask: What fare did you pay?	a) # of People _____ b) Fare \$ _____.	a) # of People _____ b) Fare \$ _____.

<u>Questions</u>	<u>Person 1</u>	<u>Person 2</u>
10. What is the reason for coming here today? (Choose from Trip Purpose Options)	Trip Purpose Option #: _____ Other: _____	Trip Purpose Option #: _____ Other: _____
Trip Purpose Options: 1) Return Home 2) Work Related 3) School 4) Social/Recreational/Visit 5) Shop 6) Eat Out 7) Personal Business 8) Pick Up/Drop Off Passenger 9) Change Travel Mode 10) Delivery - Pick Up/Drop Off Cargo 96) Other (Specify) 99) Refused		
11. When you leave here are you going straight home with no stops?	<input type="checkbox"/> Yes (Go to 14) <input type="checkbox"/> No (Go to 12)	<input type="checkbox"/> Yes (Go to 14) <input type="checkbox"/> No (Go to 12)
12. What is the address of the place you will be going to?	_____ _____ (Address or nearest intersection)	_____ _____ (Address or nearest intersection)
13a. In which county is that located? 13b. If outside of the counties listed, what street or highway will you be on when you leave the area and what side of the area is that on (N,S,E,W,NE,SE,SW,NW)?	a. <input type="checkbox"/> Bexar <input type="checkbox"/> Comal <input type="checkbox"/> Guadalupe <input type="checkbox"/> Kendall <input type="checkbox"/> Wilson <input type="checkbox"/> Medina <input type="checkbox"/> Atascosa <input type="checkbox"/> Other county (enter name) _____ b. _____	a. <input type="checkbox"/> Bexar <input type="checkbox"/> Comal <input type="checkbox"/> Guadalupe <input type="checkbox"/> Kendall <input type="checkbox"/> Wilson <input type="checkbox"/> Medina <input type="checkbox"/> Atascosa <input type="checkbox"/> Other county (enter name) _____ b. _____
14. How often do you travel to the Austin area?	<input type="checkbox"/> Never <input type="checkbox"/> 1 - 2 times per year <input type="checkbox"/> 1 - 2 times every 6 months <input type="checkbox"/> 1 - 2 times every 3 months <input type="checkbox"/> 1 or more times every month <input type="checkbox"/> 1 or more times every week	<input type="checkbox"/> Never <input type="checkbox"/> 1 - 2 times per year <input type="checkbox"/> 1 - 2 times every 6 months <input type="checkbox"/> 1 - 2 times every 3 months <input type="checkbox"/> 1 or more times every month <input type="checkbox"/> 1 or more times every week
15. How often do you travel to the Dallas-Ft. Worth area?	<input type="checkbox"/> Never <input type="checkbox"/> 1 - 2 times per year <input type="checkbox"/> 1 - 2 times every 6 months <input type="checkbox"/> 1 - 2 times every 3 months <input type="checkbox"/> 1 or more times every month <input type="checkbox"/> 1 or more times every week	<input type="checkbox"/> Never <input type="checkbox"/> 1 - 2 times per year <input type="checkbox"/> 1 - 2 times every 6 months <input type="checkbox"/> 1 - 2 times every 3 months <input type="checkbox"/> 1 or more times every month <input type="checkbox"/> 1 or more times every week
16. How often do you travel to the Houston area?	<input type="checkbox"/> Never <input type="checkbox"/> 1 - 2 times per year <input type="checkbox"/> 1 - 2 times every 6 months <input type="checkbox"/> 1 - 2 times every 3 months <input type="checkbox"/> 1 or more times every month <input type="checkbox"/> 1 or more times every week	<input type="checkbox"/> Never <input type="checkbox"/> 1 - 2 times per year <input type="checkbox"/> 1 - 2 times every 6 months <input type="checkbox"/> 1 - 2 times every 3 months <input type="checkbox"/> 1 or more times every month <input type="checkbox"/> 1 or more times every week
17. If passenger rail service were available to Dallas-Ft. Worth, Austin or to Houston, would you use rail to travel to any of these areas?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Possibly	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Possibly
18. What range best describes your total annual household income?	<input type="checkbox"/> Less than \$5,000 <input type="checkbox"/> \$45,000 to \$49,999 <input type="checkbox"/> \$5,000 to \$9,999 <input type="checkbox"/> \$50,000 to \$54,999 <input type="checkbox"/> \$10,000 to \$14,999 <input type="checkbox"/> \$55,000 to \$59,999 <input type="checkbox"/> \$15,000 to \$17,499 <input type="checkbox"/> \$60,000 to \$64,999 <input type="checkbox"/> \$17,500 to \$19,999 <input type="checkbox"/> \$65,000 to \$69,999 <input type="checkbox"/> \$20,000 to \$22,499 <input type="checkbox"/> \$70,000 to \$74,999 <input type="checkbox"/> \$22,500 to \$24,999 <input type="checkbox"/> \$75,000 to \$79,999 <input type="checkbox"/> \$25,000 to \$27,499 <input type="checkbox"/> \$80,000 to \$99,999 <input type="checkbox"/> \$27,500 to \$29,999 <input type="checkbox"/> \$100,000 to \$124,999 <input type="checkbox"/> \$30,000 to \$32,499 <input type="checkbox"/> \$125,000 to \$149,999 <input type="checkbox"/> \$32,500 to \$34,999 <input type="checkbox"/> \$150,000 to \$199,999 <input type="checkbox"/> \$35,000 to \$39,999 <input type="checkbox"/> \$200,000 or more <input type="checkbox"/> \$40,000 to \$44,999	<input type="checkbox"/> Less than \$5,000 <input type="checkbox"/> \$45,000 to \$49,999 <input type="checkbox"/> \$5,000 to \$9,999 <input type="checkbox"/> \$50,000 to \$54,999 <input type="checkbox"/> \$10,000 to \$14,999 <input type="checkbox"/> \$55,000 to \$59,999 <input type="checkbox"/> \$15,000 to \$17,499 <input type="checkbox"/> \$60,000 to \$64,999 <input type="checkbox"/> \$17,500 to \$19,999 <input type="checkbox"/> \$65,000 to \$69,999 <input type="checkbox"/> \$20,000 to \$22,499 <input type="checkbox"/> \$70,000 to \$74,999 <input type="checkbox"/> \$22,500 to \$24,999 <input type="checkbox"/> \$75,000 to \$79,999 <input type="checkbox"/> \$25,000 to \$27,499 <input type="checkbox"/> \$80,000 to \$99,999 <input type="checkbox"/> \$27,500 to \$29,999 <input type="checkbox"/> \$100,000 to \$124,999 <input type="checkbox"/> \$30,000 to \$32,499 <input type="checkbox"/> \$125,000 to \$149,999 <input type="checkbox"/> \$32,500 to \$34,999 <input type="checkbox"/> \$150,000 to \$199,999 <input type="checkbox"/> \$35,000 to \$39,999 <input type="checkbox"/> \$200,000 or more <input type="checkbox"/> \$40,000 to \$44,999

WORKPLACE INTERCEPT SURVEY

Record 10 - Form B (Spanish)

Free Standing Workplace Study Area: _____ Site #: _____

Date: _____ / _____ / _____

Address: _____

Interviewer: _____

Location: _____

Employment Type: _____

<u>Preguntas</u>	<u>Persona 1</u>	<u>Persona 2</u>
Hora y minuto que la entrevista empezó	_____ am / _____ pm	_____ am / _____ pm
Hora y minuto que la entrevista terminó	_____ am / _____ pm	_____ am / _____ pm
1. ¿Trabaja Ud. en este edificio o lugar?	<input type="checkbox"/> Sí <input type="checkbox"/> No	<input type="checkbox"/> Sí <input type="checkbox"/> No
2. ¿En qué ciudad o pueblo vive?		
3a. ¿En cuál condado se encuentra? 3b. Si está afuera de los condados indicados, ¿Cuál calle o carretera usó para entrar en el área (el aeropuerto es una opción) y en qué lado del área se encuentra (N,S,E,O,NE,SE,SO,NO)?	a. <input type="checkbox"/> Bexar <input type="checkbox"/> Comal <input type="checkbox"/> Guadalupe <input type="checkbox"/> Kendal <input type="checkbox"/> Wilson <input type="checkbox"/> Medina <input type="checkbox"/> Atascosa <input type="checkbox"/> Otro condado (escriba) _____ b. _____	a. <input type="checkbox"/> Bexar <input type="checkbox"/> Comal <input type="checkbox"/> Guadalupe <input type="checkbox"/> Kendal <input type="checkbox"/> Wilson <input type="checkbox"/> Medina <input type="checkbox"/> Atascosa <input type="checkbox"/> Otro condado (escriba) _____ b. _____
4. ¿Cuál es la dirección de su casa o la intersección (indique las dos calles más cercana)?	_____ _____ (Dirección o intersección más cercana)	_____ _____ (Dirección o intersección más cercana)
5a. ¿Viene de su casa directamente aquí sin paradas? (Si Sí, Siga a pregunta 7) 5b. Si NO, ¿Dónde empezó el viaje para llegar aquí?	a. <input type="checkbox"/> Sí (Siga a 7) <input type="checkbox"/> No (Siga a 5b) b. _____ _____ (Dirección o intersección más cercana)	a. <input type="checkbox"/> Sí (Siga a 7) <input type="checkbox"/> No (Siga a 5b) b. _____ _____ (Dirección o intersección más cercana)
6a. ¿En cuál condado se encuentra? 6b. Si está afuera de los condados indicados, ¿Cuál calle o carretera usó para entrar en el área y en qué lado del área se encuentra (N,S,E,O,NE,SE,SO,NO)?	a. <input type="checkbox"/> Bexar <input type="checkbox"/> Comal <input type="checkbox"/> Guadalupe <input type="checkbox"/> Kendal <input type="checkbox"/> Wilson <input type="checkbox"/> Medina <input type="checkbox"/> Atascosa <input type="checkbox"/> Otro condado (escriba) _____ b. _____	a. <input type="checkbox"/> Bexar <input type="checkbox"/> Comal <input type="checkbox"/> Guadalupe <input type="checkbox"/> Kendal <input type="checkbox"/> Wilson <input type="checkbox"/> Medina <input type="checkbox"/> Atascosa <input type="checkbox"/> Otro condado (escriba) _____ b. _____
7. ¿Aproximadamente a qué hora llegó aquí hoy?	_____ am / _____ pm	_____ am / _____ pm
8. ¿Cómo llegó aquí hoy? (Escoja de las Opciones de Llegada)	Opción de Llegada #: _____ Otro: _____	Opción de Llegada #: _____ Otro: _____
Opciones de Llegada: 1) Conductor (carro/camioneta/van) 5) Autobús de tránsito 9) Vehículo de servicio comercial 2) Pasajero (carro/camioneta/van) 6) Autobús escolar 10) Motocicleta 3) Caminar 7) Taxi/Limosina pagada 96) Otro (Especifique) 4) Bicicleta 8) Vehículo de transporte de carga com. 99) Se niega a contestar		
9a. Si llegó en carro/camioneta/van, pregunte: ¿Cuántas personas, incluyéndose a usted, viajaban en el vehículo? 9b. Si llegó en autobús, pregunte: ¿Cuánto fue la tarifa?	a) # de personas _____ b) Tarifa \$ _____.	a) # de personas _____ b) Tarifa \$ _____.

WORKPLACE INTERCEPT SURVEY

Record 11 - Form C (English)

Non-Free Standing Workplace Study Area: _____ Site #: _____

Date: _____ / _____ / _____

Address: _____

Interviewer: _____

Location: _____

Employment Type: _____

<u>Questions</u>	<u>Person 1</u>	<u>Person 2</u>
Time interview began	_____ am / _____ pm	_____ am / _____ pm
Time interview ended	_____ am / _____ pm	_____ am / _____ pm
1. Do you work in this building or at this location?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
2. In what city or town do you live?	_____	_____
3a. In which county is that located? 3b. If outside of the counties listed, what street or highway were you on when you entered the area and what side of the area is that on (N,S,E,W,NE,SE,SW,NW)?	a. <input type="checkbox"/> Bexar <input type="checkbox"/> Comal <input type="checkbox"/> Guadalupe <input type="checkbox"/> Kendal <input type="checkbox"/> Wilson <input type="checkbox"/> Medina <input type="checkbox"/> Atascosa <input type="checkbox"/> Other county (enter name) _____ b. _____	a. <input type="checkbox"/> Bexar <input type="checkbox"/> Comal <input type="checkbox"/> Guadalupe <input type="checkbox"/> Kendal <input type="checkbox"/> Wilson <input type="checkbox"/> Medina <input type="checkbox"/> Atascosa <input type="checkbox"/> Other county (enter name) _____ b. _____
4. What is your home address or the names of the nearest two intersecting streets?	_____ _____ (Address or nearest intersection)	_____ _____ (Address or nearest intersection)
5a. Did you travel here directly from your home with no stops? (if YES, go to Question 7) 5b. If NO, where did you start the trip that brought you here?	a. <input type="checkbox"/> Yes (Go to 7) <input type="checkbox"/> No (Go to 5b) b. _____ (Address or nearest intersection)	a. <input type="checkbox"/> Yes (Go to 7) <input type="checkbox"/> No (Go to 5b) b. _____ (Address or nearest intersection)
6a. In which county is that located? 6b. If outside of the counties listed, what street or highway were you on when you entered the area and what side of the area is that on (N,S,E,W,NE,SE,SW,NW)?	a. <input type="checkbox"/> Bexar <input type="checkbox"/> Comal <input type="checkbox"/> Guadalupe <input type="checkbox"/> Kendal <input type="checkbox"/> Wilson <input type="checkbox"/> Medina <input type="checkbox"/> Atascosa <input type="checkbox"/> Other county (enter name) _____ b. _____	a. <input type="checkbox"/> Bexar <input type="checkbox"/> Comal <input type="checkbox"/> Guadalupe <input type="checkbox"/> Kendal <input type="checkbox"/> Wilson <input type="checkbox"/> Medina <input type="checkbox"/> Atascosa <input type="checkbox"/> Other county (enter name) _____ b. _____
7. What approximate time did you arrive at this location today?	_____ am / _____ pm	_____ am / _____ pm
8. How did you arrive here today? (Choose from Arrival Options)	Arrival Option #: _____ Other: _____	Arrival Option #: _____ Other: _____
Arrival Options: 1) Driver (car/truck/van) 5) Transit Bus 9) Commercial Service Vehicle 2) Passenger (car/truck/van) 6) School Bus 10) Motorcycle 3) Walk 7) Taxi/Paid Limousine 96) Other (Specify) 4) Bicycle 8) Commercial Cargo Transport Vehicle 99) Refused		
9a. If car/truck/van, ask: How many people, including you, were in the vehicle? 9b. If bus, ask: What fare did you pay?	a) # of People _____ b) Fare \$ _____.	a) # of People _____ b) Fare \$ _____.

Questions	Person 1	Person 2
10. What is the reason for coming here today? (Choose from Trip Purpose Options)	Trip Purpose Option #: _____ Other: _____	Trip Purpose Option #: _____ Other: _____
Trip Purpose Options: 1) Return Home 2) Work Related 3) School 4) Social/Recreational/Visit	5) Shop 6) Eat Out 7) Personal Business 8) Pick Up/Drop Off Passenger	9) Change Travel Mode 10) Delivery - Pick Up/Drop Off Cargo 96) Other (Specify) 99) Refused
11. Is this the 1st store/establishment you have visited since arriving at this location?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
12. How many stores/establishments have you visited in this center/building during this trip, including this location?		
13. How many more stores or businesses do you plan to visit in this center/building?		
14. When you leave here are you going straight home with no stops?	<input type="checkbox"/> Yes (Go to 17) <input type="checkbox"/> No (Go to 15)	<input type="checkbox"/> Yes (Go to 17) <input type="checkbox"/> No (Go to 15)
15. What is the address of the place you will be going to?	_____ _____ (Address or nearest intersection)	_____ _____ (Address or nearest intersection)
16a. In which county is that located? 16b. If outside of the counties listed, what street or highway will you be on when you leave the area and what side of the area is that on (N,S,E,W,NE,SE,SW,NW)?	a. <input type="checkbox"/> Bexar <input type="checkbox"/> Comal <input type="checkbox"/> Guadalupe <input type="checkbox"/> Kendall <input type="checkbox"/> Wilson <input type="checkbox"/> Medina <input type="checkbox"/> Atascosa <input type="checkbox"/> Other county (enter name) b. _____	a. <input type="checkbox"/> Bexar <input type="checkbox"/> Comal <input type="checkbox"/> Guadalupe <input type="checkbox"/> Kendall <input type="checkbox"/> Wilson <input type="checkbox"/> Medina <input type="checkbox"/> Atascosa <input type="checkbox"/> Other county (enter name) b. _____
17. How often do you travel to the Austin area?	<input type="checkbox"/> Never <input type="checkbox"/> 1 - 2 times per year <input type="checkbox"/> 1 - 2 times every 6 months <input type="checkbox"/> 1 - 2 times every 3 months <input type="checkbox"/> 1 or more times every month <input type="checkbox"/> 1 or more times every week	<input type="checkbox"/> Never <input type="checkbox"/> 1 - 2 times per year <input type="checkbox"/> 1 - 2 times every 6 months <input type="checkbox"/> 1 - 2 times every 3 months <input type="checkbox"/> 1 or more times every month <input type="checkbox"/> 1 or more times every week
18. How often do you travel to the Dallas-Ft. Worth area?	<input type="checkbox"/> Never <input type="checkbox"/> 1 - 2 times per year <input type="checkbox"/> 1 - 2 times every 6 months <input type="checkbox"/> 1 - 2 times every 3 months <input type="checkbox"/> 1 or more times every month <input type="checkbox"/> 1 or more times every week	<input type="checkbox"/> Never <input type="checkbox"/> 1 - 2 times per year <input type="checkbox"/> 1 - 2 times every 6 months <input type="checkbox"/> 1 - 2 times every 3 months <input type="checkbox"/> 1 or more times every month <input type="checkbox"/> 1 or more times every week
19. How often do you travel to the Houston area?	<input type="checkbox"/> Never <input type="checkbox"/> 1 - 2 times per year <input type="checkbox"/> 1 - 2 times every 6 months <input type="checkbox"/> 1 - 2 times every 3 months <input type="checkbox"/> 1 or more times every month <input type="checkbox"/> 1 or more times every week	<input type="checkbox"/> Never <input type="checkbox"/> 1 - 2 times per year <input type="checkbox"/> 1 - 2 times every 6 months <input type="checkbox"/> 1 - 2 times every 3 months <input type="checkbox"/> 1 or more times every month <input type="checkbox"/> 1 or more times every week
20. If passenger rail service were available to Dallas-Ft. Worth, Austin or to Houston, would you use rail to travel to any of these areas?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Possibly	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Possibly
21. What range best describes your total annual household income?	<input type="checkbox"/> Less than \$5,000 <input type="checkbox"/> \$45,000 to \$49,999 <input type="checkbox"/> \$5,000 to \$9,999 <input type="checkbox"/> \$50,000 to \$54,999 <input type="checkbox"/> \$10,000 to \$14,999 <input type="checkbox"/> \$55,000 to \$59,999 <input type="checkbox"/> \$15,000 to \$17,499 <input type="checkbox"/> \$60,000 to \$64,999 <input type="checkbox"/> \$17,500 to \$19,999 <input type="checkbox"/> \$65,000 to \$69,999 <input type="checkbox"/> \$20,000 to \$22,499 <input type="checkbox"/> \$70,000 to \$74,999 <input type="checkbox"/> \$22,500 to \$24,999 <input type="checkbox"/> \$75,000 to \$79,999 <input type="checkbox"/> \$25,000 to \$27,499 <input type="checkbox"/> \$80,000 to \$99,999 <input type="checkbox"/> \$27,500 to \$29,999 <input type="checkbox"/> \$100,000 to \$124,999 <input type="checkbox"/> \$30,000 to \$32,499 <input type="checkbox"/> \$125,000 to \$149,999 <input type="checkbox"/> \$32,500 to \$34,999 <input type="checkbox"/> \$150,000 to \$199,999 <input type="checkbox"/> \$35,000 to \$39,999 <input type="checkbox"/> \$200,000 or more <input type="checkbox"/> \$40,000 to \$44,999	<input type="checkbox"/> Less than \$5,000 <input type="checkbox"/> \$45,000 to \$49,999 <input type="checkbox"/> \$5,000 to \$9,999 <input type="checkbox"/> \$50,000 to \$54,999 <input type="checkbox"/> \$10,000 to \$14,999 <input type="checkbox"/> \$55,000 to \$59,999 <input type="checkbox"/> \$15,000 to \$17,499 <input type="checkbox"/> \$60,000 to \$64,999 <input type="checkbox"/> \$17,500 to \$19,999 <input type="checkbox"/> \$65,000 to \$69,999 <input type="checkbox"/> \$20,000 to \$22,499 <input type="checkbox"/> \$70,000 to \$74,999 <input type="checkbox"/> \$22,500 to \$24,999 <input type="checkbox"/> \$75,000 to \$79,999 <input type="checkbox"/> \$25,000 to \$27,499 <input type="checkbox"/> \$80,000 to \$99,999 <input type="checkbox"/> \$27,500 to \$29,999 <input type="checkbox"/> \$100,000 to \$124,999 <input type="checkbox"/> \$30,000 to \$32,499 <input type="checkbox"/> \$125,000 to \$149,999 <input type="checkbox"/> \$32,500 to \$34,999 <input type="checkbox"/> \$150,000 to \$199,999 <input type="checkbox"/> \$35,000 to \$39,999 <input type="checkbox"/> \$200,000 or more <input type="checkbox"/> \$40,000 to \$44,999

WORKPLACE INTERCEPT SURVEY

Record 11 - Form C (Spanish)

Non-Free Standing Workplace Study Area: _____ Site #: _____

Date: _____ / _____ / _____

Address: _____

Interviewer: _____

Location: _____

Employment Type: _____

Preguntas	Persona 1	Persona 2
Hora y minuto que la entrevista empezó	_____ am / _____ pm	_____ am / _____ pm
Hora y minuto que la entrevista terminó	_____ am / _____ pm	_____ am / _____ pm
1. ¿Trabaja Ud. en este edificio o lugar?	<input type="checkbox"/> Sí <input type="checkbox"/> No	<input type="checkbox"/> Sí <input type="checkbox"/> No
2. ¿En qué ciudad o pueblo vive?		
3a. ¿En cuál condado se encuentra? 3b. Si está afuera de los condados indicados, ¿Cuál calle o carretera usó para entrar en el área (el aeropuerto es una opción) y en qué lado del área se encuentra (N,S,E,O,NE,SE,SO,NO)?	a. <input type="checkbox"/> Bexar <input type="checkbox"/> Comal <input type="checkbox"/> Guadalupe <input type="checkbox"/> Kendal <input type="checkbox"/> Wilson <input type="checkbox"/> Medina <input type="checkbox"/> Atascosa <input type="checkbox"/> Otro condado (escriba) _____ b. _____	a. <input type="checkbox"/> Bexar <input type="checkbox"/> Comal <input type="checkbox"/> Guadalupe <input type="checkbox"/> Kendal <input type="checkbox"/> Wilson <input type="checkbox"/> Medina <input type="checkbox"/> Atascosa <input type="checkbox"/> Otro condado (escriba) _____ b. _____
4. ¿Cuál es la dirección de su casa o la intersección (indique las dos calles más cercana)?	_____ _____ (Dirección o intersección más cercana)	_____ _____ (Dirección o intersección más cercana)
5a. ¿Viene de su casa directamente aquí sin parar? (Si Sí, siga a pregunta 7) 5b. Si NO, ¿Dónde empezó el viaje para llegar aquí?	a. <input type="checkbox"/> Sí (Siga a 7) <input type="checkbox"/> No (Siga a 5b) b. _____ (Dirección o intersección más cercana)	a. <input type="checkbox"/> Sí (Siga a 7) <input type="checkbox"/> No (Siga a 5b) b. _____ (Dirección o intersección más cercana)
6a. ¿En cuál condado se encuentra? 6b. Si está afuera de los condados indicados, ¿Cuál calle o carretera usó para entrar en el área y en qué lado del área se encuentra (N,S,E,O,NE,SE,SO,NO)?	a. <input type="checkbox"/> Bexar <input type="checkbox"/> Comal <input type="checkbox"/> Guadalupe <input type="checkbox"/> Kendal <input type="checkbox"/> Wilson <input type="checkbox"/> Medina <input type="checkbox"/> Atascosa <input type="checkbox"/> Otro condado (escriba) _____ b. _____	a. <input type="checkbox"/> Bexar <input type="checkbox"/> Comal <input type="checkbox"/> Guadalupe <input type="checkbox"/> Kendal <input type="checkbox"/> Wilson <input type="checkbox"/> Medina <input type="checkbox"/> Atascosa <input type="checkbox"/> Otro condado (escriba) _____ b. _____
7. ¿Aproximadamente a qué hora llegó aquí hoy?	_____ am / _____ pm	_____ am / _____ pm
8. ¿Cómo llegó aquí hoy? (Escoja de las Opciones de Llegada)	Opción de Llegada #: _____ Otro: _____	Opción de Llegada #: _____ Otro: _____
Opciones de Llegada: 1) Conductor (carro/camioneta/van) 5) Autobús de tránsito 9) Vehículo de servicio comercial 2) Pasajero (carro/camioneta/van) 6) Autobús escolar 10) Motocicleta 3) Caminar 7) Taxi/Limosina pagada 96) Otro (Especifique) 4) Bicicleta 8) Vehículo de transporte de carga com. 99) Se niega a contestar		
9a. Si llegó en carro/camioneta/van, pregunte: ¿Cuántas personas, incluyéndose a usted, viajaban en el vehículo? 9b. Si llegó en autobús, pregunte: ¿Cuánto fue la tarifa?	a) # de Personas _____ b) Tarifa \$ _____	a) # de Personas _____ b) Tarifa \$ _____

<u>Questions</u>	<u>Vehicle 1</u>	<u>Vehicle 2</u>
10. What is your reason for coming here today? (Choose from Trip Purpose Options)	_____ (Trip Purpose Option #)	_____ (Trip Purpose Option #)
11a. What is the address of the last place you got into your vehicle? (Address or nearest two intersecting streets) 11b. What type of place was that location? (Choose from Type of Place Options)	a. _____ _____ b. Type of Place Option # _____	a. _____ _____ b. Type of Place Option # _____
12a. In which county is that located? 12b. If outside of the counties listed, what street or highway were you on when you entered the area and what side of the area is that on (N,S,E,W,NE,SE,SW,NW)?	a. <input type="checkbox"/> Bexar <input type="checkbox"/> Comal <input type="checkbox"/> Guadalupe <input type="checkbox"/> Kendall <input type="checkbox"/> Wilson <input type="checkbox"/> Medina <input type="checkbox"/> Atascosa <input type="checkbox"/> Other county (enter name) _____ b. _____	a. <input type="checkbox"/> Bexar <input type="checkbox"/> Comal <input type="checkbox"/> Guadalupe <input type="checkbox"/> Kendall <input type="checkbox"/> Wilson <input type="checkbox"/> Medina <input type="checkbox"/> Atascosa <input type="checkbox"/> Other county (enter name) _____ b. _____
13. What was your purpose for being at that location? (Choose from Trip Purpose Options)	_____ (Trip Purpose Option #)	_____ (Trip Purpose Option #)
14. What approximate time did you leave that location?	_____ am / _____ pm	_____ am / _____ pm
15a. What is the address of the place you will be going when you leave? (place/address or nearest intersection/city) 15b. What type of place is that location? (Choose from Type of Place Options)	a. _____ _____ b. Type of Place Option # _____	a. _____ _____ b. Type of Place Option # _____
16a. In which county is that located? 16b. If outside of the counties listed, what street or highway were you on when you entered the area and what side of the area is that on (N,S,E,W,NE,SE,SW,NW)?	a. <input type="checkbox"/> Bexar <input type="checkbox"/> Comal <input type="checkbox"/> Guadalupe <input type="checkbox"/> Kendall <input type="checkbox"/> Wilson <input type="checkbox"/> Medina <input type="checkbox"/> Atascosa <input type="checkbox"/> Other county (enter name) _____ b. _____	a. <input type="checkbox"/> Bexar <input type="checkbox"/> Comal <input type="checkbox"/> Guadalupe <input type="checkbox"/> Kendall <input type="checkbox"/> Wilson <input type="checkbox"/> Medina <input type="checkbox"/> Atascosa <input type="checkbox"/> Other county (enter name) _____ b. _____
17. What is your purpose for traveling to your next destination? (Choose from Trip Purpose Options)	_____ (Trip Purpose Option #)	_____ (Trip Purpose Option #)

Trip Purpose Options

- | | | |
|--|---|---------------------|
| 1) Base location/Return to base location | 4) Delivery and Pick Up | 7) To home |
| 2) Delivery | 5) Maintenance | 8) Buy gas/fuel |
| 3) Pickup | 6) Driver Needs (lunch, restroom, etc.) | 96) Other (Specify) |
| | | 99) Refused |

Type of Place Options

- | | | |
|---|---------------------------------------|-------------------------|
| 1) Office Building | 6) Educational (College, Trade, etc.) | 11) Warehouse |
| 2) Retail / Shopping | 7) Government Office/Building | 12) Distribution Center |
| 3) Industrial/Manufacturing | 8) Residential | 13) Construction Site |
| 4) Medical / Hospital | 9) Airport | 96) Other (Specify) |
| 5) Educational (12 th grade or less) | 10) Intermodal Facility | 99) Refused |

WORKPLACE COMMERCIAL VEHICLE DRIVER INTERCEPT SURVEY

Record 12 - Form D (Spanish)

Study Area: _____ Site #: _____

Date: _____ / _____ / _____

Address: _____

Interviewer: _____

Location: _____

Employment Type: _____

Preguntas	Vehículo 1	Vehículo 2		
1. Hora y minuto que la entrevista empezó	_____ am / _____ pm	_____ am / _____ pm		
2. Hora y minuto que la entrevista terminó	_____ am / _____ pm	_____ am / _____ pm		
3. Número de personas en el vehículo				
4. Clase de vehículo (Escoja de las Opciones de Clase de Vehículo)				
Opciones de Clase de Vehículo: 1) Auto de pasajeros 4) Vehículo de utilidad deportiva/SUV 7) Unidad singular 4 ejes (14 ruedas) 2) Camioneta 5) Unidad singular 2 ejes (6 ruedas) 8) Semi (toda combinación de tractor/remolque) 3) Van (de carga o minivan) 6) Unidad singular 3 ejes (10 ruedas) 96) Otro (Especifique)				
5. Tipo de vehículo (uso típico)	<input type="checkbox"/> Transporte de carga <input type="checkbox"/> Servicio	<input type="checkbox"/> Transporte de carga <input type="checkbox"/> Servicio		
6. ¿Cuál es la carga que se entrega? (Escoja de las Opciones de Carga)	Opción # _____ (Si es 96, indique el nombre de la carga) _____	Opción # _____ (Si es 96, indique el nombre de la carga) _____		
<table border="0"> <tr> <td style="vertical-align: top;"> Opciones de Carga 1) Productos Agrícolas 2) Productos Forestales 3) Productos del Mar 4) Metales y Minerales 5) Productos de Alimentación, Salud y Belleza 6) Productos de Tabaco 7) Textiles/ Tejidos 8) Productos de Madera 9) Impresos 10) Productos Químicos 11) Productos de Carbón o Petróleo 12) Productos de Plástico, Espuma de Poliestireno 13) Barro, Cemento, Vidrio o Piedra 14) Productos Fabricados/ Herramienta 15) Productos de Desperdicio 16) Envíos Misceláneos 17) Materiales Peligrosos 18) Transportación 19) Vacío 20) No hubo carga entregada ni recogida 96) Otro (Especifique) 98) Desconocido 99) Se niega a contestar </td> <td style="vertical-align: top;"> Descripción Ganado, fertilizante, tierra, materiales de jardinería, etc. Árboles, césped, etc. Pescado fresco, mariscos, etc. Petróleo crudo, gas natural, propano, metales, yeso, etc. Diversos productos de alimentación, cosméticos, etc. Cigarrillos, cigarros y tabaco masticable Ropa, linos, etc. Madera, papel, cartón, pasta de madera, etc. Periódicos, magazines, libros, etc. Jabones, pinturas, químicas de casa o industria, etc. Gasolina, etc. Productos completos de goma, plástico, o espuma de poliestireno Productos completos de barro, cemento, vidrio o piedra Productos misceláneos como maquinaria, aparatos, muebles, etc. Productos de desperdicio, inclusive chatarra y materiales reciclables Correo de los E.U., U.P.S., Federal Express y otra carga mezclada Químicas y sustancias peligrosas Automóviles, Equipo Pesado, etc. Vacío (incluyendo contenedores vacíos) Carga que no cae en las clasificaciones arriba. Escriba nombre de la carga. </td> </tr> </table>			Opciones de Carga 1) Productos Agrícolas 2) Productos Forestales 3) Productos del Mar 4) Metales y Minerales 5) Productos de Alimentación, Salud y Belleza 6) Productos de Tabaco 7) Textiles/ Tejidos 8) Productos de Madera 9) Impresos 10) Productos Químicos 11) Productos de Carbón o Petróleo 12) Productos de Plástico, Espuma de Poliestireno 13) Barro, Cemento, Vidrio o Piedra 14) Productos Fabricados/ Herramienta 15) Productos de Desperdicio 16) Envíos Misceláneos 17) Materiales Peligrosos 18) Transportación 19) Vacío 20) No hubo carga entregada ni recogida 96) Otro (Especifique) 98) Desconocido 99) Se niega a contestar	Descripción Ganado, fertilizante, tierra, materiales de jardinería, etc. Árboles, césped, etc. Pescado fresco, mariscos, etc. Petróleo crudo, gas natural, propano, metales, yeso, etc. Diversos productos de alimentación, cosméticos, etc. Cigarrillos, cigarros y tabaco masticable Ropa, linos, etc. Madera, papel, cartón, pasta de madera, etc. Periódicos, magazines, libros, etc. Jabones, pinturas, químicas de casa o industria, etc. Gasolina, etc. Productos completos de goma, plástico, o espuma de poliestireno Productos completos de barro, cemento, vidrio o piedra Productos misceláneos como maquinaria, aparatos, muebles, etc. Productos de desperdicio, inclusive chatarra y materiales reciclables Correo de los E.U., U.P.S., Federal Express y otra carga mezclada Químicas y sustancias peligrosas Automóviles, Equipo Pesado, etc. Vacío (incluyendo contenedores vacíos) Carga que no cae en las clasificaciones arriba. Escriba nombre de la carga.
Opciones de Carga 1) Productos Agrícolas 2) Productos Forestales 3) Productos del Mar 4) Metales y Minerales 5) Productos de Alimentación, Salud y Belleza 6) Productos de Tabaco 7) Textiles/ Tejidos 8) Productos de Madera 9) Impresos 10) Productos Químicos 11) Productos de Carbón o Petróleo 12) Productos de Plástico, Espuma de Poliestireno 13) Barro, Cemento, Vidrio o Piedra 14) Productos Fabricados/ Herramienta 15) Productos de Desperdicio 16) Envíos Misceláneos 17) Materiales Peligrosos 18) Transportación 19) Vacío 20) No hubo carga entregada ni recogida 96) Otro (Especifique) 98) Desconocido 99) Se niega a contestar	Descripción Ganado, fertilizante, tierra, materiales de jardinería, etc. Árboles, césped, etc. Pescado fresco, mariscos, etc. Petróleo crudo, gas natural, propano, metales, yeso, etc. Diversos productos de alimentación, cosméticos, etc. Cigarrillos, cigarros y tabaco masticable Ropa, linos, etc. Madera, papel, cartón, pasta de madera, etc. Periódicos, magazines, libros, etc. Jabones, pinturas, químicas de casa o industria, etc. Gasolina, etc. Productos completos de goma, plástico, o espuma de poliestireno Productos completos de barro, cemento, vidrio o piedra Productos misceláneos como maquinaria, aparatos, muebles, etc. Productos de desperdicio, inclusive chatarra y materiales reciclables Correo de los E.U., U.P.S., Federal Express y otra carga mezclada Químicas y sustancias peligrosas Automóviles, Equipo Pesado, etc. Vacío (incluyendo contenedores vacíos) Carga que no cae en las clasificaciones arriba. Escriba nombre de la carga.			
7. ¿Cuál es el peso de la carga que se entrega en libras?	Peso _____ <input type="checkbox"/> No se entregó carga	Peso _____ <input type="checkbox"/> No se entregó carga		
8. ¿Cuál es la carga que se recoge? (Escoja de las Opciones de Carga arriba)	Opción # _____ (Si es 96, indique el nombre de la carga) _____	Opción # _____ (Si es 96, indique el nombre de la carga) _____		
9. ¿Cuál es el peso de la carga que se recoge en libras?	Peso _____ <input type="checkbox"/> No se recogió carga	Peso _____ <input type="checkbox"/> No se recogió carga		

Preguntas	Vehículo 1	Vehículo 2
10. ¿Cuál es el propósito de venir aquí hoy? (Escoja de las Opciones de Propósito del Viaje)	_____ (Propósito del Viaje #)	_____ (Propósito del Viaje #)
11a. ¿Cuál es la dirección del último lugar donde subió a su vehículo? (Dirección o intersección de las dos calles más cercanas) 11b. ¿Qué tipo de lugar fue? (Escoja de las Opciones de Tipo de Lugar)	a. _____ b. Opción de Tipo de Lugar # _____	a. _____ b. Opción de Tipo de Lugar # _____
12a. ¿En cuál condado se encuentra? 12b. Si está afuera de los condados indicados, ¿Cuál calle o carretera usó para entrar en el área (el aeropuerto es una opción) y en qué lado del área se encuentra (N,S,E,O,NE,SE,SO,NO)?	a. <input type="checkbox"/> Bexar <input type="checkbox"/> Comal <input type="checkbox"/> Guadalupe <input type="checkbox"/> Kendal <input type="checkbox"/> Wilson <input type="checkbox"/> Medina <input type="checkbox"/> Atascosa <input type="checkbox"/> Otro condado (escriba) _____ b. _____	a. <input type="checkbox"/> Bexar <input type="checkbox"/> Comal <input type="checkbox"/> Guadalupe <input type="checkbox"/> Kendal <input type="checkbox"/> Wilson <input type="checkbox"/> Medina <input type="checkbox"/> Atascosa <input type="checkbox"/> Otro condado (escriba) _____ b. _____
13. ¿Cuál fue su propósito de estar allí? (Escoja de las Opciones de Propósito del Viaje)	_____ (Propósito del Viaje #)	_____ (Propósito del Viaje #)
14. ¿Aproximadamente, a qué hora salió de esa localidad?	_____ am / _____ pm	_____ am / _____ pm
15a. ¿Cuál es la dirección del próximo lugar a donde va? (Dirección del lugar o intersección o ciudad más cercana) 15b. ¿Qué tipo de lugar es? (Escoja de las Opciones de Tipo de Lugar)	a. _____ b. Opción de Tipo de Lugar # _____	a. _____ b. Opción de Tipo de Lugar # _____
16a. ¿En cuál condado se encuentra? 16b. Si está afuera de los condados indicados, ¿Cuál calle o carretera usará para salir del área y en qué lado del área se encuentra (N,S,E,O,NE,SE,SO,NO)?	a. <input type="checkbox"/> Bexar <input type="checkbox"/> Comal <input type="checkbox"/> Guadalupe <input type="checkbox"/> Kendal <input type="checkbox"/> Wilson <input type="checkbox"/> Medina <input type="checkbox"/> Atascosa <input type="checkbox"/> Otro condado (escriba) _____ b. _____	a. <input type="checkbox"/> Bexar <input type="checkbox"/> Comal <input type="checkbox"/> Guadalupe <input type="checkbox"/> Kendal <input type="checkbox"/> Wilson <input type="checkbox"/> Medina <input type="checkbox"/> Atascosa <input type="checkbox"/> Otro condado (escriba) _____ b. _____
17. ¿Cuál es el propósito de viajar a su próximo destino? (Escoja de las Opciones de Propósito del Viaje)	_____ (Propósito del Viaje #)	_____ (Propósito del Viaje #)

Opciones de Propósito del Viaje

- | | | |
|-------------------------------------|--|--------------------------------------|
| 1) Lugar base/Regreso al lugar base | 4) Entregar y recoger | 7) Ir a casa |
| 2) Entregar | 5) Mantenimiento | 8) Comprar gasolina/combustible |
| 3) Recoger | 6) Necesidades del chofer (comida, baño, etc.) | 96) Otro (Especifique) |
| | | 99) Se niega a contestar//No se sabe |

Opciones de Tipo de Lugar

- | | | |
|--------------------------------|--|--------------------------------------|
| 1) Oficinas | 6) Educación (universidad, vocacional, etc.) | 11) Almacén |
| 2) Tienda o Centro comercial | 7) Oficina / Edificio gubernamental | 12) Centro de distribución |
| 3) Industrial/Manufactura | 8) Residencial | 13) Lugar bajo construcción |
| 4) Centro Médico / Hospital | 9) Aeropuerto | 96) Otro (Especifique) |
| 5) Escolar (12º grado o menos) | 10) Terminal intermodal de flete | 99) Se niega a contestar//No se sabe |

WORKPLACE UNIVERSITY/COLLEGE SPECIAL GENERATOR INTERCEPT SURVEY

Record SU - Form B (English)

Study Area: _____ Site #: _____

Date: _____ / _____ / _____

Address: _____

Interviewer: _____

Location: _____

Employment Type: _____

<u>Questions</u>	<u>Person 1</u>	<u>Person 2</u>
Time interview began	_____ am / _____ pm	_____ am / _____ pm
Time interview ended	_____ am / _____ pm	_____ am / _____ pm
1. Are you a student here?	<input type="checkbox"/> Yes (Go to 2) <input type="checkbox"/> No (Go to 3)	<input type="checkbox"/> Yes (Go to 2) <input type="checkbox"/> No (Go to 3)
2. Do you live on campus?	<input type="checkbox"/> Yes (Terminate Interview) <input type="checkbox"/> No (Go to 4)	<input type="checkbox"/> Yes (Terminate Interview) <input type="checkbox"/> No (Go to 4)
3. Do you work here at the college/university or are you visiting?	<input type="checkbox"/> Employee <input type="checkbox"/> Visitor	<input type="checkbox"/> Employee <input type="checkbox"/> Visitor
4. In what city or town do you live?		
5. In which county is that located?	<input type="checkbox"/> Bexar <input type="checkbox"/> Comal <input type="checkbox"/> Guadalupe <input type="checkbox"/> Kendall <input type="checkbox"/> Wilson <input type="checkbox"/> Medina <input type="checkbox"/> Atascosa <input type="checkbox"/> Other county (enter name) _____	<input type="checkbox"/> Bexar <input type="checkbox"/> Comal <input type="checkbox"/> Guadalupe <input type="checkbox"/> Kendall <input type="checkbox"/> Wilson <input type="checkbox"/> Medina <input type="checkbox"/> Atascosa <input type="checkbox"/> Other county (enter name) _____
6. If outside of the counties listed, what street or highway were you on when you entered the area and what side of the area is that on (N,S,E,W,NE,SE,SW,NW)?	_____	_____
7. What is your home address or nearest two intersecting streets?	_____	_____
	(Address or nearest intersection)	(Address or nearest intersection)
8. How did you arrive here at the college/university today? (Choose from Arrival Options)	Arrival Option # _____	Arrival Option # _____
	Other _____	Other _____
Arrival Options: 1) Driver (car/truck/van) 2) Passenger (car/truck/van) 3) Walk 4) Bicycle 5) Transit Bus 6) School Bus 7) Taxi/Paid Limousine 8) Commercial Cargo Transport Vehicle 9) Commercial Service Vehicle 10) Motorcycle 96) Other (Specify) 99) Refused		
9a. If arrival was by car/truck/van, how many people, including you, were in the vehicle when you arrived at the college/university?	a. # of People _____	a. # of People _____
9b. Where did you park?	b. 1) On-Campus 2) Off Campus Parking Lot 3) Off Campus, On-Street Parking 96) Other (specify) _____	b. 1) On-Campus 2) Off Campus Parking Lot 3) Off Campus, On-Street Parking 96) Other (specify) _____
10a. Did you travel directly from your home to the college/university with no stops?	a. <input type="checkbox"/> Yes (Go to 12) <input type="checkbox"/> No (Go to 10b)	a. <input type="checkbox"/> Yes (Go to 12) <input type="checkbox"/> No (Go to 10b)
10b. If NO, where did you start the trip that brought you to the college/university?	b. _____ _____ (Address or nearest intersection)	b. _____ _____ (Address or nearest intersection)
11a. In which county is that located?	a. <input type="checkbox"/> Bexar <input type="checkbox"/> Comal <input type="checkbox"/> Guadalupe <input type="checkbox"/> Kendall <input type="checkbox"/> Wilson <input type="checkbox"/> Medina <input type="checkbox"/> Atascosa <input type="checkbox"/> Other county (enter name) _____	a. <input type="checkbox"/> Bexar <input type="checkbox"/> Comal <input type="checkbox"/> Guadalupe <input type="checkbox"/> Kendall <input type="checkbox"/> Wilson <input type="checkbox"/> Medina <input type="checkbox"/> Atascosa <input type="checkbox"/> Other county (enter name) _____
11b. If outside of the counties listed, what street or highway were you on when you entered the area and what side of the area is that on (N,S,E,W,NE,SE,SW,NW)?	b. _____	b. _____

WORKPLACE UNIVERSITY/COLLEGE SPECIAL GENERATOR INTERCEPT SURVEY

Record SU - Form B (Spanish)

Study Area: _____ Site #: _____

Date: _____ / _____ / _____

Address: _____

Interviewer: _____

Location: _____

Employment Type: _____

Preguntas	Persona 1	Persona 2
Hora y minuto que la entrevista empezó	_____ am / _____ pm	_____ am / _____ pm
Hora y minuto que la entrevista terminó	_____ am / _____ pm	_____ am / _____ pm
1. ¿Es usted un(a) estudiante aquí?	<input type="checkbox"/> Sí (Siga a 2) <input type="checkbox"/> No (Siga a 3)	<input type="checkbox"/> Sí (Siga a 2) <input type="checkbox"/> No (Siga a 3)
2. ¿Vive en el campus?	<input type="checkbox"/> Sí (Termine la Entrevista) <input type="checkbox"/> No (Siga a 4)	<input type="checkbox"/> Sí (Termine la Entrevista) <input type="checkbox"/> No (Siga a 4)
3. ¿Trabaja aquí en la universidad o está visitando?	<input type="checkbox"/> Empleado <input type="checkbox"/> Visitante	<input type="checkbox"/> Empleado <input type="checkbox"/> Visitante
4. ¿En qué ciudad o pueblo vive?		
5. ¿En cuál condado se encuentra?	<input type="checkbox"/> Bexar <input type="checkbox"/> Comal <input type="checkbox"/> Guadalupe <input type="checkbox"/> Kendal <input type="checkbox"/> Wilson <input type="checkbox"/> Medina <input type="checkbox"/> Atascosa <input type="checkbox"/> Otro condado (escriba) _____	<input type="checkbox"/> Bexar <input type="checkbox"/> Comal <input type="checkbox"/> Guadalupe <input type="checkbox"/> Kendal <input type="checkbox"/> Wilson <input type="checkbox"/> Medina <input type="checkbox"/> Atascosa <input type="checkbox"/> Otro condado (escriba) _____
6. Si es afuera de los condados indicados, ¿Cuál calle o carretera usó para entrar en el área (el aeropuerto es una opción) y en qué lado del área se encuentra (N,S,E,O,NE,SE,SO,NO)?	_____	_____
7. ¿Cuál es la dirección de su casa o la intersección más cercana? (indique las dos calles)	_____	_____
	(Dirección o intersección más cercana)	(Dirección o intersección más cercana)
8. ¿Cómo llegó aquí a la universidad hoy? (Escoja de las Opciones de Llegada)	Opción de Llegada # _____ Otro _____	Opción de Llegada # _____ Otro _____
Opciones de Llegada: 1) Conductor (carro/camioneta/van) 5) Autobús de tránsito 9) Vehículo de servicio comercial 2) Pasajero (carro/camioneta/van) 6) Autobús escolar 10) Motocicleta 3) Caminar 7) Taxi/Limosina pagada 96) Otro (Especifique) 4) Bicicleta 8) Vehículo de transporte de carga com. 99) Se niega a contestar		
9a. Si llegó en carro/camioneta/van, pregunte: ¿Cuántas personas, incluyéndose a usted, viajaban en el vehículo cuando llegó a la universidad?	a. # de Personas _____	a. # de Personas _____
9b. ¿Dónde estacionó su vehículo?	b. 1) En el campus 2) Estacionamiento afuera del campus 3) Afuera del campus, en la calle 4) Otro (especifique) _____	b. 1) En el campus 2) Estacionamiento afuera del campus 3) Afuera del campus, en la calle 4) Otro (especifique) _____
10a. ¿Viene de su casa directamente a la universidad sin paradas?	a. <input type="checkbox"/> Sí (Siga a 12) <input type="checkbox"/> No (Siga a 10b)	a. <input type="checkbox"/> Sí (Siga a 12) <input type="checkbox"/> No (Siga a 10b)
10b. Si NO, ¿Dónde empezó el viaje para llegar a la universidad?	b. _____ _____	b. _____ _____
	(Dirección o intersección más cercana)	(Dirección o intersección más cercana)
11a. ¿En cuál condado se encuentra?	a. <input type="checkbox"/> Bexar <input type="checkbox"/> Comal <input type="checkbox"/> Guadalupe <input type="checkbox"/> Kendal <input type="checkbox"/> Wilson <input type="checkbox"/> Medina <input type="checkbox"/> Atascosa <input type="checkbox"/> Otro condado (escriba) _____	a. <input type="checkbox"/> Bexar <input type="checkbox"/> Comal <input type="checkbox"/> Guadalupe <input type="checkbox"/> Kendal <input type="checkbox"/> Wilson <input type="checkbox"/> Medina <input type="checkbox"/> Atascosa <input type="checkbox"/> Otro condado (escriba) _____
11b. Si está afuera de los condados indicados, ¿Cuál calle o carretera usó para entrar en el área y en qué lado del área se encuentra (N,S,E,O,NE,SE,SO,NO)?	b. _____	b. _____

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WORKPLACE MALL/GENERAL SPECIAL GENERATOR INTERCEPT SURVEY

Record SM - Form B (English)

Study Area: _____ Site #: _____

Date: _____ / _____ / _____

Address: _____

Interviewer: _____

Location: _____

Employment Type: _____

<u>Questions</u>	<u>Person 1</u>	<u>Person 2</u>
Time interview began	_____ am / _____ pm	_____ am / _____ pm
Time interview ended	_____ am / _____ pm	_____ am / _____ pm
1a. Do you work in this location? 1b. Do you live at this development?	a. <input type="checkbox"/> Yes <input type="checkbox"/> No b. <input type="checkbox"/> Yes (Terminate Interview) <input type="checkbox"/> No (Go to 2)	a. <input type="checkbox"/> Yes <input type="checkbox"/> No b. <input type="checkbox"/> Yes (Terminate Interview) <input type="checkbox"/> No (Go to 2)
2. In what city or town do you live?		
3a. In which county is that located? 3b. If outside of the counties listed, what street or highway were you on when you entered the area and what side of the area is that on (N,S,E,W,NE,SE,SW,NW)?	a. <input type="checkbox"/> Bexar <input type="checkbox"/> Comal <input type="checkbox"/> Guadalupe <input type="checkbox"/> Kendal <input type="checkbox"/> Wilson <input type="checkbox"/> Medina <input type="checkbox"/> Atascosa <input type="checkbox"/> Other county (enter name) _____ b. _____	a. <input type="checkbox"/> Bexar <input type="checkbox"/> Comal <input type="checkbox"/> Guadalupe <input type="checkbox"/> Kendal <input type="checkbox"/> Wilson <input type="checkbox"/> Medina <input type="checkbox"/> Atascosa <input type="checkbox"/> Other county (enter name) _____ b. _____
4. What is your home address or nearest two intersecting streets?	_____ _____ (Address or nearest intersection)	_____ _____ (Address or nearest intersection)
5a. Did you travel directly from your home to this location with no stops? 5b. If NO, where did you start the trip that brought you to this location?	a. <input type="checkbox"/> Yes (Go to 7) <input type="checkbox"/> No (Go to 5b) b. _____ (Address or nearest intersection)	a. <input type="checkbox"/> Yes (Go to 7) <input type="checkbox"/> No (Go to 5b) b. _____ (Address or nearest intersection)
6a. In which county is that located? 6b. If outside of the counties listed, what street or highway were you on when you entered the area and what side of the area is that on (N,S,E,W,NE,SE,SW,NW)?	a. <input type="checkbox"/> Bexar <input type="checkbox"/> Comal <input type="checkbox"/> Guadalupe <input type="checkbox"/> Kendal <input type="checkbox"/> Wilson <input type="checkbox"/> Medina <input type="checkbox"/> Atascosa <input type="checkbox"/> Other county (enter name) _____ b. _____	a. <input type="checkbox"/> Bexar <input type="checkbox"/> Comal <input type="checkbox"/> Guadalupe <input type="checkbox"/> Kendal <input type="checkbox"/> Wilson <input type="checkbox"/> Medina <input type="checkbox"/> Atascosa <input type="checkbox"/> Other county (enter name) _____ b. _____
7. What approximate time did you arrive here today?	_____ am / _____ pm	_____ am / _____ pm
8. How did you arrive here today? (Choose from Arrival Options)	Arrival Option # _____ Other _____	Arrival Option # _____ Other _____
Arrival Options: 1) Driver (car/truck/van) 5) Transit Bus 9) Commercial Service Vehicle 2) Passenger (car/truck/van) 6) School Bus 10) Motorcycle 3) Walk 7) Taxi/Paid Limousine 96) Other (Specify) 4) Bicycle 8) Commercial Cargo Transport Vehicle 99) Refused		
9a. If car/truck/van, ask: How many people, including you, were in the vehicle? 9b. If bus, ask: What fare did you pay?	a. # of People _____ b. Fare \$ _____.	a. # of People _____ b. Fare \$ _____.

WORKPLACE MALL/GENERAL SPECIAL GENERATOR INTERCEPT SURVEY

Record SM - Form B (Spanish)

Study Area: _____ Site #: _____

Date: _____ / _____ / _____

Address: _____

Interviewer: _____

Location: _____

Employment Type: _____

Preguntas	Persona 1	Persona 2
Hora y minuto que la entrevista empezó	_____ am / _____ pm	_____ am / _____ pm
Hora y minuto que la entrevista terminó	_____ am / _____ pm	_____ am / _____ pm
1a. ¿Trabaja en este lugar? 1b. ¿Vive en este lugar?	a. <input type="checkbox"/> Sí <input type="checkbox"/> No b. <input type="checkbox"/> Sí (Termine la Entrevista) <input type="checkbox"/> No (Siga a 2)	a. <input type="checkbox"/> Sí <input type="checkbox"/> No b. <input type="checkbox"/> Sí (Termine la Entrevista) <input type="checkbox"/> No (Siga a 2)
2. ¿En qué ciudad o pueblo vive?		
3a. ¿En cuál condado se encuentra? 3b. Si está afuera de los condados indicados, ¿Cuál calle o carretera usó para entrar en el área (el aeropuerto es una opción) y en qué lado del área se encuentra (N,S,E,O,NE,SE,SO,NO)?	a. <input type="checkbox"/> Bexar <input type="checkbox"/> Comal <input type="checkbox"/> Guadalupe <input type="checkbox"/> Kendal <input type="checkbox"/> Wilson <input type="checkbox"/> Medina <input type="checkbox"/> Atascosa <input type="checkbox"/> Otro condado (escriba) _____ b. _____	a. <input type="checkbox"/> Bexar <input type="checkbox"/> Comal <input type="checkbox"/> Guadalupe <input type="checkbox"/> Kendal <input type="checkbox"/> Wilson <input type="checkbox"/> Medina <input type="checkbox"/> Atascosa <input type="checkbox"/> Otro condado (escriba) _____ b. _____
4. ¿Cuál es la dirección de su casa o la intersección (indique las dos calles) más cercana?	_____ _____ (Dirección o intersección más cercana)	_____ _____ (Dirección o intersección más cercana)
5a. ¿Viene de su casa directamente aquí sin parar? 5b. Si NO, ¿Dónde empezó su viaje para llegar aquí?	a. <input type="checkbox"/> Sí (Siga a 7) <input type="checkbox"/> No (Siga a 5b) b. _____ _____ (Dirección o intersección más cercana)	a. <input type="checkbox"/> Sí (Siga a 7) <input type="checkbox"/> No (Siga a 5b) b. _____ _____ (Dirección o intersección más cercana)
6a. ¿En cuál condado se encuentra? 6b. Si está afuera de los condados indicados, ¿Cuál calle o carretera usó para entrar en el área y en qué lado del área se encuentra (N,S,E,O,NE,SE,SO,NO)?	a. <input type="checkbox"/> Bexar <input type="checkbox"/> Comal <input type="checkbox"/> Guadalupe <input type="checkbox"/> Kendal <input type="checkbox"/> Wilson <input type="checkbox"/> Medina <input type="checkbox"/> Atascosa <input type="checkbox"/> Otro condado (escriba) _____ b. _____	a. <input type="checkbox"/> Bexar <input type="checkbox"/> Comal <input type="checkbox"/> Guadalupe <input type="checkbox"/> Kendal <input type="checkbox"/> Wilson <input type="checkbox"/> Medina <input type="checkbox"/> Atascosa <input type="checkbox"/> Otro condado (escriba) _____ b. _____
7. ¿Aproximadamente a qué hora llegó aquí hoy?	_____ am / _____ pm	_____ am / _____ pm
8. ¿Cómo llegó aquí hoy? (Escoja de las Opciones de Llegada)	Opción de Llegada # _____ Otro _____	Opción de Llegada # _____ Otro _____
Opciones de Llegada: 1) Conductor (carro/camioneta/van) 5) Autobús de tránsito 9) Vehículo de servicio comercial 2) Pasajero (carro/camioneta/van) 6) Autobús escolar 10) Motocicleta 3) Caminar 7) Taxi/Limosina pagada 96) Otro (Especifique) 4) Bicicleta 8) Vehículo de transporte de carga com. 99) Se niega a contestar		
9a. Si llegó en carro/camioneta/van, pregunte: ¿Cuántas personas, incluyéndose a usted, viajaban en el vehículo? 9b. Si llegó en autobús, pregunte: ¿Cuánto fue la tarifa?	a. # de Personas _____ b. Tarifa \$ _____	a. # de Personas _____ b. Tarifa \$ _____

WORKPLACE HOSPITAL/MEDICAL CENTER SPECIAL GENERATOR INTERCEPT SURVEY

Record SH - Form B (Spanish)

Study Area: _____ Site #: _____

Date: _____ / _____ / _____

Address: _____

Interviewer: _____

Location: _____

Employment Type: _____

<u>Preguntas</u>	<u>Persona 1</u>	<u>Persona 2</u>
Hora y minuto que la entrevista empezó	_____ am / _____ pm	_____ am / _____ pm
Hora y minuto que la entrevista terminó	_____ am / _____ pm	_____ am / _____ pm
1. ¿Trabaja Ud. en este edificio o lugar?	<input type="checkbox"/> Sí <input type="checkbox"/> No	<input type="checkbox"/> Sí <input type="checkbox"/> No
2. ¿En qué ciudad o pueblo vive?		
3a. ¿En cuál condado se encuentra? 3b. Si está afuera de los condados indicados, ¿Cuál calle o carretera usó para entrar en el área (el aeropuerto es una opción) y en qué lado del área se encuentra (N,S,E,O,NE,SE,SO,NO)?	a. <input type="checkbox"/> Bexar <input type="checkbox"/> Comal <input type="checkbox"/> Guadalupe <input type="checkbox"/> Kendal <input type="checkbox"/> Wilson <input type="checkbox"/> Medina <input type="checkbox"/> Atascosa <input type="checkbox"/> Otro condado (escriba) _____ b. _____	a. <input type="checkbox"/> Bexar <input type="checkbox"/> Comal <input type="checkbox"/> Guadalupe <input type="checkbox"/> Kendal <input type="checkbox"/> Wilson <input type="checkbox"/> Medina <input type="checkbox"/> Atascosa <input type="checkbox"/> Otro condado (escriba) _____ b. _____
4. ¿Cuál es la dirección de su casa o la intersección (indique las dos calles más cercana)?	_____ _____ (Dirección o intersección más cercana)	_____ _____ (Dirección o intersección más cercana)
5a. ¿Viene de su casa directamente aquí sin parar? 5b. Si NO, ¿Dónde empezó su viaje para llegar al Hospital/Centro Médico?	a. <input type="checkbox"/> Sí (Siga a 7) <input type="checkbox"/> No (Siga a 5b) b. _____ _____ (Dirección o intersección más cercana)	a. <input type="checkbox"/> Sí (Siga a 7) <input type="checkbox"/> No (Siga a 5b) b. _____ _____ (Dirección o intersección más cercana)
6a. ¿En cuál condado se encuentra? 6b. Si está afuera de los condados indicados, ¿Cuál calle o carretera usó para entrar en el área y en qué lado del área se encuentra (N,S,E,O,NE,SE,SO,NO)?	a. <input type="checkbox"/> Bexar <input type="checkbox"/> Comal <input type="checkbox"/> Guadalupe <input type="checkbox"/> Kendal <input type="checkbox"/> Wilson <input type="checkbox"/> Medina <input type="checkbox"/> Atascosa <input type="checkbox"/> Otro condado (escriba) _____ b. _____	a. <input type="checkbox"/> Bexar <input type="checkbox"/> Comal <input type="checkbox"/> Guadalupe <input type="checkbox"/> Kendal <input type="checkbox"/> Wilson <input type="checkbox"/> Medina <input type="checkbox"/> Atascosa <input type="checkbox"/> Otro condado (escriba) _____ b. _____
7. ¿Aproximadamente a qué hora llegó al Hospital/Centro Médico hoy?	_____ am / _____ pm	_____ am / _____ pm
8. ¿Cómo llegó aquí al Hospital/Centro Médico hoy? (Escoja de las Opciones de Llegada)	Opción de Llegada # _____ Otro _____	Opción de Llegada # _____ Otro _____
Opciones de Llegada: 1) Conductor (carro/camioneta/van) 5) Autobús de tránsito 9) Vehículo de servicio comercial 2) Pasajero (carro/camioneta/van) 6) Autobús escolar 10) Motocicleta 3) Caminar 7) Taxi/Limosina pagada 96) Otro (Especifique) 4) Bicicleta 8) Vehículo de transporte de carga com. 99) Se niega a contestar		
9a. Si llegó en carro/camioneta/van, pregunte: ¿Cuántas personas, incluyéndose a usted, viajaban en el vehículo? 9b. Si llegó en autobús, pregunte: ¿Cuánto fue la tarifa?	a. # de Personas _____ b. Tarifa \$ _____.	a. # de Personas _____ b. Tarifa \$ _____.

**APPENDIX B:
ASCII FILE FORMATS**

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WORKPLACE AND SPECIAL GENERATOR TRAVEL SURVEY DATA FILE FORMATS

Workplace Survey, Recruitment, and General Workplace Information (Record Type 9)

This file contains establishment information, call disposition results, and count data collected using Form A, Work Place Recruitment and General Survey. The data in this record should be submitted as a comma-delimited file (Rec9.CSV) with information for each work place entered in a separate row. Commas should not be used within individual data fields.

<u>Data Field</u>	<u>Type</u>	<u>Description</u>
1. Record Type	Numeric	Code indicating type of record. Here it should be 9.
2. Contact Month	Numeric	Two-digit month work place was contacted.
3. Contact Day	Numeric	Two-digit day of month work place was contacted.
4. Contact Year	Numeric	Four-digit year work place was contacted.
5. Site Number	Numeric	Unique non-zero number assigned to each work place.
6. NAICS Code	Numeric	North American Industrial Classification System code of the work place.
7. Work Place Name	Alphanumeric	Name of work place.
8. Work Place Address	Alphanumeric	Address of work place.
9. Work Place City	Alphanumeric	City where work place is located.
10. Work Place State	Alphanumeric	State where work place is located.
11. Work Place Zip Code	Numeric	Zip code for work place.
12. Work Place County	Numeric	Code indicating county in which work place is located: 1-Bexar, 2-Comal, 3-Guadalupe, 4-Kendall, 5-Wilson, 6-Medina, 7-Atascosa.
13. Work Place Longitude	Numeric	Longitude of work place location to 6 decimal places. Those locations within the study area but unknown should be coded 888.888888. All work places must be within the study area.
14. Work Place Latitude	Numeric	Latitude of work place location to 6 decimal places. Those locations within the study area but unknown should be coded 888.888888. All work places must be within the study area.
15. Work Place Study Area	Alphanumeric	Code indicating study area in which company/operator is located. Use "SAT" to indicate the San Antonio study area. All surveyed work places must be located within the appropriate study area.
16. Work Place Zone	Numeric	Leave blank-to be completed by TxDOT or TTI.
17. Employment Type	Numeric	Code indicating the type of employment at the work place. 1-Office (Non Government), 2-Retail , 3-Industrial, 4-Medical, 5-Education-Day Care/K-12th Grade, 6-Education-College, trade, other, 7-Gov't/City/County/State/Federal Offices, 8-Convenience Store/Gas Station, 9-Grocery Store, 10-Restaurant/Fast Food/Bar & Grill, 11-Bank/Financial Institution, 12-Manufacturing, 13-Wholesale Trade, 14-Construction, 96-Other, 98-Unknown
18. Other Employment Type	Alphanumeric	If employment type is coded as "other", this field contains a description of the employment type.
19. Employment Sector	Numeric	Code indicating the work place's employment sector. 1-Basic, 2-Retail, 3-Service, 4-Education, 96-Other
20. Other Employment Sector	Alphanumeric	If employment sector is coded as "other", this field contains a description of the employment type.
21. Work Place Phone No.	Alphanumeric	Phone number of work place.
22. Number of Attempts	Numeric	Number of attempts made to contact work place.
23. Call Disposition Code	Numeric	Code indicating final result of call attempts. 1-Contact Made, 2-No Answer, 3-Phone Disconnected, 4-Answering Machine, 5-Busy, 6-Non-Business, 7-Computer/Fax, 96-Other
24. Other Call Disposition	Alphanumeric	If call disposition code is "other", this field contains a description of the call disposition.
25. Recruitment	Numeric	Code indicating results of recruitment attempts. 1-Full Survey, 2-Partial Survey, 3-Refusal w/Data, 4-Refusal w/No data, 5-contact never made-no data
26. Total Employment	Numeric	Total number of full and part time workers employed at this location.
27. Estimated No. of Visitors	Numeric	Estimated average number of visitors to the work place on a typical weekday.
28. Estimated No. Employees	Numeric	Estimated average number of employees working at work place on a typical weekday.
29. Begin Operations	Numeric	Normal begin time for operations at work place (4 digits in military time). Use 0000 for 24-hr operations.
30. End Operations	Numeric	Normal end time for operations at work place (4 digits in military time). Use 2359 for 24-hr operations.
31. Work Place Type	Numeric	Code indicating the type of work place. 1-Free Standing, 2-Non-Free Standing. A free-standing work place is one where the points of vehicle access and parking are clearly established and are designed to serve that work place only. A Non-Free Standing work place is one where the points of vehicle access and parking are designed to serve more than one establishment.
32. Location Code	Numeric	Code indicating type of location. 1-Shopping center or office building, 2-Other
33. Others at Location	Numeric	Code indicating if other businesses are located at the same location. 1-Yes, 2-No
34. Parking	Numeric	Code indicating if work place has its own parking. 1-Yes, 2-No
35. Cut Thru Traffic	Numeric	Code indicating if traffic cuts through parking lot to access other businesses. 1-Yes, 2-No

Workplace Survey, Recruitment, and General Workplace Information (Record Type 9) – Continued

36. Estimate of Deliveries	Numeric	Estimated number of deliveries on an average week day.
37. From Delivery Hours	Numeric	Beginning time for deliveries at work place (4 digits in military time). Use 0000 for 24-hr operations.
38. To Deliver Hours	Numeric	Ending time for deliveries at work place (4 digits in military time). Use 2359 for 24-hr operations.
39. Special Access	Numeric	Code indicating if special access is provided for deliveries or employees. 1-Yes, 2-No
40. Business Vehicles	Numeric	Total Number of vehicles owned or leased by work place for business purposes (all types of vehicles).
41. Cars/SUVs	Numeric	Number of cars and SUVs owned or leased by work place for business purposes.
42. Pickup Trucks	Numeric	Number of pickup trucks owned or leased by work place for business purposes.
43. Cargo Vans	Numeric	Number of vans owned or leased by work place for delivery or pick up of cargo.
44. Service Vans	Numeric	Number of vans owned or leased by work place for commercial service or other purposes.
45. Cargo Vehicles	Numeric	Number of cargo transport vehicles owned or leased by work place for business purposes that do not fall into the other categories.
46. Service Vehicles	Numeric	Number of service vehicles owned or leased by work place for business purposes that do not fall into the other categories.
47. Survey Month	Numeric	Two-digit month work place was surveyed.
48. Survey Day	Numeric	Two-digit day of month work place was surveyed.
49. Survey Year	Numeric	Four-digit year work place was surveyed.
50. Employees at Work	Numeric	Total number of employees at work on the day that the travel survey was conducted.
51. Count of Deliveries	Numeric	Total number of delivery persons making deliveries or pick-ups at work place on survey day beginning 1 hour before and ending 1 hour after operations. Count is for 24 hours if work palce is open 24 hours. Count of deliveries should be tallied as 1 for every delivery person that enters the work place and 1 for every delivery person that exits the work place (regardless if there was a delivery and pickup, or a just a delivery or a pickup).
52. Count of Persons	Numeric	Total number of persons counted entering and exiting the work place beginning 1 hour before and ending 1 hour after operations. Count is for 24 hours if work place is open 24 hours. Count of persons should be tallied as 1 for every non-delivery person that enters the work place and 1 for every non-delivery person that exits the work place. Person counts should be conducted at all Non-Free Standing work places and any Free-Standing work places with shared parking or cut-through traffic.
53. Count of Passenger Vehicles	Numeric	Total number of passenger vehicles (excluding commercial vehicles and school buses) counted entering and exiting the work place beginning 1 hour before and ending 1 hour after operations. Count is for 24 hours if work place is open 24 hours. Count of passenger vehicles should be tallied as 1 for every passenger vehicle that enters the work place and 1 for every passenger vehicle that exits the work place. Passenger vehicle counts should not be conducted at Non-Free Standing work places due to potential uncertainty regarding which establishment vehicles are going to/coming from.
54. Count of Commercial Vehicles	Numeric	Total number of commercial vehicles (including city transit buses, but excluding school buses) counted entering and exiting the work place beginning 1 hour before and ending 1 hour after operations. Count is for 24 hours if work place is open 24 hours. Count of commercial vehicles should be tallied as 1 for every commercial vehicle that enters the work place and 1 for every commercial vehicle that exits the work place. A commercial vehicle is considered to be any cargo transport or service vehicle used for commercial purposes. This includes any heavy duty vehicles (with 3 axles or more) or vehicles of any type with a company or government logo on them (e.g. plumbing, electrical, utility, construction, landscaping, delivery, agency/city/state/federal vehicles, etc).

Workplace Survey, Recruitment, and General Workplace Information (Record Type 9) – Continued

55. Count of School Buses	Numeric	Total number of school buses counted entering and exiting the work place beginning 1 hour before and ending 1 hour after operations. Count is for 24 hours if work place is open 24 hours. Count of school buses should be tallied as 1 for every school bus that enters the work place and 1 for every school bus that exits the work place.
56. Count of Bicycles	Numeric	Total number of bicycles counted entering and exiting the work place beginning 1 hour before and ending 1 hour after operations. Count is for 24 hours if work place is open 24 hours. Count of bicycles should be tallied as 1 for every bicycle that enters the work place and 1 for every bicycle that exits the work place. Unless TxDOT or its representative has specifically indicated that bicycle counts are to be conducted at the workplace, this field should remain blank.
57. ACR Counts	Numeric	Code indicating if passenger vehicle and commercial vehicle counts were obtained from Accumulative Count Recorders. 1-Yes, 2-No
58. Square Footage of Building(s)	Numeric	Total square footage of the building or buildings at this site that belong to surveyed establishment. For Non-Free-Standing establishments located in a shared building, only the square footage of the establishment's portion of the building should be reported.
59. Lot Size	Numeric	Total size in acres of the lot where establishment is located. This field should be left blank for Non-Free-Standing establishments.
60. Number of Parking Spaces	Numeric	Total number of parking spaces at the location. This field should be left blank for Non-Free-Standing establishments.
61. Number of External Servicing Positions	Numeric	Total number of external servicing positions at the establishment, such as bank teller lanes or fuel pumps (excludes drive-thru lanes at fast food sites).
62. ITE Land Use Code	Numeric	Leave blank-to be completed by TxDOT or TTI.

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Workplace Survey, Free Standing Workplace Intercept Information (Record Type 10)

This file contains data collected from employees and visitors at surveyed Free Standing work places using Form B, Intercept Travel Survey, Free Standing Work Place. The data in this record should be submitted as a comma-delimited file (Rec10.CSV) with information for each respondent entered in a separate row. Commas should not be used within individual data fields.

<u>Data Field</u>	<u>Type</u>	<u>Description</u>
1. Record Type	Numeric	Code which indicates the type of record. Here it should be 10.
2. Month	Numeric	Two-digit month work place was surveyed.
3. Day	Numeric	Two-digit day of the month work place was surveyed.
4. Year	Numeric	Four-digit year work place was surveyed.
5. Site Number	Numeric	Unique non-zero number assigned to the work place where these interviews were conducted.
6. Form Number	Numeric	Survey form number which contains raw survey data.
7. Person Number	Numeric	Number of person being interviewed. This corresponds to the column number on the interview form.
8. Time Began	Numeric	Time interview began (4 digits in military time e.g. 1054).
9. Time Ended	Numeric	Time interview ended (4 digits in military time e.g. 1057).
10. Person Interviewed	Numeric	Code indicating if person being interviewed is an employee or a visitor. 1-Employee, 2-Visitor
11. Residence	Alphanumeric	Name of city, county or country where person lives.
12. Residence Code	Numeric	Code indicating if residence is located in the study area the work place is located in. 1-Yes, 2-No, 98-Unknown, 99-Refused
13. Home Entry Facility	Alphanumeric	If person does not live in the study area the work place is located in, this field should contain the name of the street/highway/bridge the person was on when they entered the study area the work place is located in. Indicate the side of the study area that the entry occurred on with one or two letters (N, S, E, W, NE, SE, SW, NW) after the facility name (eg. I-20 NE). If person stayed overnight, this field should be blank. Note that airport is a valid entry.
14. Home Entry Zone	Numeric	Leave blank-to be completed by TxDOT or TTI.
15. Home Address	Alphanumeric	Address where respondent lives. If person gives nearest intersecting streets, both street names are listed here.
16. Home City	Alphanumeric	City (or nearest city/town) where respondent lives.
17. Home State	Alphanumeric	State where respondent lives.
18. Home Zip	Numeric	Zip code where respondent lives.
19. Home County	Numeric	Code indicating county where respondent's home is located. 1-Bexar, 2-Comal, 3-Guadalupe, 4-Kendall, 5-Wilson, 6-Medina, 7-Atascosa, 96-Other, 98-Unknown, 99-Refused
20. Other Home County	Alphanumeric	If county location is coded as "other", this field should contain the name of the county where location is.
21. Home Study Area	Alphanumeric	Code indicating study area in which home address is located. Use "SAT" to indicate the San Antonio study area. If home address is outside the study area being surveyed but within Texas, this field should be coded "TX". If location is outside Texas, "XX" should be coded in this field.
22. Home Zone	Numeric	Leave blank-to be completed by TxDOT or TTI.
23. Home Longitude	Numeric	Longitude of home address to 6 decimal places. If within the study area being surveyed but unknown, it should be coded 888.888888. If outside the study area being surveyed but within Texas and unknown, it should be coded as 666.666666. Locations in Mexico should be coded 777.777777 and addresses outside of Texas and Mexico should be coded 999.999999.
24. Home Latitude	Numeric	Latitude of home address to 6 decimal places. If within the study area being surveyed, but unknown it should be coded 888.888888. If outside the study area being surveyed but within Texas and unknown it should be coded as 666.666666. Locations in Mexico should be coded 777.777777 and addresses outside of Texas and Mexico should be coded 999.999999.
25. Origin Code	Numeric	Code indicating origin of trip. 1-Home, 2-Other
26. Origin Address	Alphanumeric	Origin address. If person gives nearest intersecting streets, both street names are listed here.
27. Origin City	Alphanumeric	Origin city.
28. Origin State	Alphanumeric	Origin state.
29. Origin Zip	Numeric	Origin zip code.
30. Origin County	Numeric	Code indicating county where trip originated. 1-Bexar, 2-Comal, 3-Guadalupe, 4-Kendall, 5-Wilson, 6-Medina, 7-Atascosa, 96-Other, 98-Unknown, 99-Refused

Workplace Survey, Free Standing Workplace Intercept Information (Record Type 10) - Continued

31. Other Origin County	Alphanumeric	If county origin/location is coded as "other", this field contains the name of the county.
32. Origin Study Area	Alphanumeric	Code indicating study area in which trip origin is located. Use "SAT" to indicate the San Antonio study area. If trip origin is outside the study area being surveyed but within Texas, this field should be coded "TX". If location is outside Texas, "XX" should be coded in this field.
33. Origin Zone	Numeric	Leave blank-to be completed by TxDOT or TTI.
34. Origin Longitude	Numeric	Longitude of location trip originated from to 6 decimal places. If location is in Mexico, this should be coded 777.777777. If location is outside Texas, this should be coded 999.999999. If unknown but in the study area the work place is located in, it should be coded 888.888888. If unknown but in Texas, it should be coded as 666.666666.
35. Origin Latitude	Numeric	Latitude of location trip originated from to 6 decimal places. If location is in Mexico, this should be coded 777.777777. If location is outside Texas, this should be coded 999.999999. If unknown but in the study area the work place is located in, it should be coded 888.888888. If unknown but in Texas, it should be coded as 666.666666.
36. Entry Facility	Alphanumeric	If origin is outside the study area the work place is located in, this field should contain the name of the bridge, street, or highway used to enter the study area. Indicate the side of the study area that the entry occurred on with one or two letters (N, S, E, W, NE, SE, SW, NW) after the facility name (eg. I-20 NE).
37. Entry Study Area	Alphanumeric	If origin is outside of the study area, this field should contain a code indicating the study area where the bridge, street, or highway used to enter is located. Use "SAT" to indicate the San Antonio study area.
38. Entry External Zone	Numeric	Leave blank-to be completed by TxDOT or TTI.
39. Arrival Hour	Numeric	Hour person arrived at this site (2 digits in military time e.g. 14).
40. Arrival Minute	Numeric	Minute person arrived at this site (2 digits e.g. 07).
41. Mode	Numeric	Code indicating mode of travel to this location. 1-Driver (car/truck/van), 2-Passenger (car/truck/van), 3-Walk, 4-Bicycle, 5-Transit Bus, 6-School Bus, 7-Taxi/Limo, 8-Commercial Cargo Transport Vehicle, 9-Commercial Service Vehicle, 10-Motorcycle, 96-Other, 99-Refused
42. Other Mode	Alphanumeric	If mode is coded "other", this field should contain a description of the mode given.
43. Number Persons	Numeric	If car/truck/van, this is the number of persons in the vehicle including the person being interviewed. This field is blank for all other modes.
44. Fare	Numeric	If mode of travel was bus, this is the fare paid.
45. Trip Purpose	Numeric	Code indicating purpose of trip. 1-Return Home, 2-Work Related, 3-School Related, 4-Social/Recreational/Visit, 5-Shop, 6-Eat Out, 7-Personal Business, 8-Pick Up/Drop Off Passenger, 9-Change Travel Mode, 10-Delivery-Pick Up/Drop Off, 96-Other, 99-Refused
46. Other Purpose	Alphanumeric	If purpose is coded as "other", this contains description of purpose given.
47. Depart Destination	Numeric	Code indicating destination when person departs from this site. 1-Home, 2-Other
48. Destination Address	Alphanumeric	Destination address or cross streets.
49. Destination City	Alphanumeric	Destination city.
50. Destination State	Alphanumeric	Destination state.
51. Destination Zip	Numeric	Destination zip code.
52. Destination County	Numeric	Code indicating county of trip destination. 1-Bexar, 2-Comal, 3-Guadalupe, 4-Kendall, 5-Wilson, 6-Medina, 7-Atascosa, 96-Other, 98-Unknown, 99-Refused
53. Other Destination County	Alphanumeric	If county destination/location is coded as "other", this field contains the name of the county.
54. Destination Study Area	Alphanumeric	Code indicating study area of trip destination. Use "SAT" to indicate the San Antonio study area. If trip destination is outside the study area being surveyed but within Texas, this field should be coded "TX". If location is outside Texas, "XX" should be coded in this field.
55. Destination Zone	Numeric	Leave blank-to be completed by TxDOT or TTI.

Workplace Survey, Free Standing Workplace Intercept Information (Record Type 10) - Continued

56. Destination Longitude	Numeric	Longitude of destination location to 6 decimal places. If location is in Mexico, this should be coded 777.777777. If location is outside Texas, this should be coded 999.999999. If unknown but in study area the work place is located in, it should be coded 888.888888. If unknown but in Texas, it should be coded as 666.666666.
57. Destination Latitude	Numeric	Latitude of destination location to 6 decimal places. If address is in Mexico, this should be coded 777.777777. If address is outside Texas, this should be coded 999.999999. If unknown but in study area the work place is located in, it should be coded 888.888888. If unknown but in Texas, it should be coded as 666.666666.
58. Exit Facility	Alphanumeric	If destination is outside of the study area the work place is located in, this field should contain the name of the bridge, street, or highway used to leave the study area. Indicate the side of the study area that the exit occurred on with one or two letters (N, S, E, W, NE, SE, SW, NW) after the facility name (eg. I-20 NE).
59. Exit Study Area	Alphanumeric	If destination is outside of the study area, this field should contain a code indicating the study area where the bridge, street, or highway used to exit is located. Use "SAT" to indicate the San Antonio study area.
60. Exit External Zone	Numeric	Leave blank-to be completed by TxDOT or TTI.
61. Travel to Austin	Numeric	Code indicating frequency of travel to Austin. 1-Never, 2-1 to 2 times per year, 3-1 to 2 times every 6 months, 4-1 to 2 times every 3 months, 5-1 or more times every month, 6-1 or more times every week, 99-Refused
62. Travel to Dallas-Ft. Worth	Numeric	Code indicating frequency of travel to Dallas-Ft. Worth. 1- Never, 2-1 to 2 times per year, 3-1 to 2 times every 6 months, 4-1 to 2 times every 3 months, 5-1 or more times every month, 6-1 or more times every week, 99-Refused
63. Travel to Houston	Numeric	Code indicating frequency of travel to Houston. 1-Never, 2-1 to 2 times per year, 3-1 to 2 times every 6 months, 4-1 to 2 times every 3 months, 5-1 or more times every month, 6-1 or more times every week, 99-Refused
64. Passenger Rail to Dallas-Ft. Worth, Austin or Houston	Numeric	Code indicating whether respondent would use passenger rail service to Dallas-Ft. Worth, Austin or Houston. 1-Yes, 2-No, 3-Possibly
65. Annual Household Income	Numeric	Code indicating combined annual income of all household members. 1-Less than \$5,000 2-\$5,000 to \$9,999 3-\$10,000 to \$14,999 4-\$15,000 to \$17,499 5-\$17,500 to \$19,999 6-\$20,000 to \$22,499 7-\$22,500 to \$24,999 8-\$25,000 to \$27,499 9-\$27,500 to \$29,999 10-\$30,000 to \$32,499 11-\$32,500 to \$34,999 12-\$35,000 to \$39,999 13-\$40,000 to \$44,999 14-\$45,000 to \$49,999 15-\$50,000 to \$54,999 16-\$55,000 to \$59,999 17-\$60,000 to \$64,999 18-\$65,000 to \$69,999 19-\$70,000 to \$74,999 20-\$75,000 to \$79,999 21-\$80,000 to \$99,999 22-\$100,000 to \$124,999 23-\$125,000 to \$149,999 24-\$150,000 to \$199,999 25-\$200,000 or more 98-Don't Know 99-Refused

Workplace Survey, Non-Free Standing Workplace Intercept Information (Record Type 11)

This file contains data collected from employees and visitors at surveyed Non-Free Standing work places using Form C, Intercept Travel Survey, Non-Free Standing Work Place. The data in this record should be submitted as a comma-delimited file (Rec11.CSV) with information for each respondent entered in a separate row. Commas should not be used within individual data fields.

<u>Data Field</u>	<u>Type</u>	<u>Description</u>
1. Record Type	Numeric	Code which indicates the type of record. Here it should be 11.
2. Month	Numeric	Two-digit month work place was surveyed.
3. Day	Numeric	Two-digit day of the month work place was surveyed.
4. Year	Numeric	Four-digit year work place was surveyed.
5. Site Number	Numeric	Unique non-zero number assigned to the work place where these interviews were conducted.
6. Form Number	Numeric	Survey form number which contains raw survey data.
7. Person Number	Numeric	Number of person being interviewed. This corresponds to the column number on the interview form.
8. Time Began	Numeric	Time interview began (4 digits in military time e.g. 1054).
9. Time Ended	Numeric	Time interview ended (4 digits in military time e.g. 1057).
10. Person Interviewed	Numeric	Code indicating if person being interviewed is an employee or a visitor. 1-Employee, 2-Visitor
11. Residence	Alphanumeric	Name of city, county or country where person lives.
12. Residence Code	Numeric	Code indicating if residence is located inside the study area the work place is located in. 1-Yes, 2-No, 98-Unknown, 99-Refused
13. Home Entry Facility	Alphanumeric	If person does not live in the study area the work place is located in, this field should contain the name of the street/highway/bridge the person was on when they entered the study area the work place is located in. Indicate the side of the study area that the entry occurred on with one or two letters (N, S, E, W, NE, SE, SW, NW) after the facility name (eg. I-20 NE). If person stayed overnight, this field should be blank. Note that airport is a valid entry.
14. Home Entry Zone	Numeric	Leave blank-to be completed by TxDOT or TTI.
15. Home Address	Alphanumeric	Address where respondent lives. If person gives nearest intersecting streets, both street names are listed here.
16. Home City	Alphanumeric	City where respondent lives.
17. Home State	Alphanumeric	State where respondent lives.
18. Home Zip	Numeric	Zip code where respondent lives.
19. Home County	Numeric	Code indicating county where respondent's home is located. 1-Bexar, 2-Comal, 3-Guadalupe, 4-Kendall, 5-Wilson, 6-Medina, 7-Atascosa, 96-Other, 98-Unknown, 99-Refused
20. Other Home County	Alphanumeric	If county location is coded as "other", this field should contain the name of the county where location is.
21. Home Study Area	Alphanumeric	Code indicating study area in which home address is located. Use "SAT" to indicate the San Antonio study area. If home address is outside the study area being surveyed but within Texas, this field should be coded "TX". If location is outside Texas, "XX" should be coded in this field.
22. Home Zone	Numeric	Leave blank-to be completed by TxDOT or TTI.
23. Home Longitude	Numeric	Longitude of home address to 6 decimal places. If within the study area being surveyed, but unknown it should be coded 888.888888. If outside the study area being surveyed but within Texas and unknown it should be coded as 666.666666. Locations in Mexico should be coded 777.777777 and addresses outside of Texas and Mexico should be coded 999.999999.
24. Home Latitude	Numeric	Latitude of home address to 6 decimal places. If within the study area being surveyed, but unknown it should be coded 888.888888. If outside the study area being surveyed but within Texas and unknown it should be coded as 666.666666. Locations in Mexico should be coded 777.777777 and addresses outside of Texas and Mexico should be coded 999.999999.
25. Origin Code	Numeric	Code indicating origin of trip. 1-Home, 2-Other
26. Origin Address	Alphanumeric	Origin address. If person gives nearest intersecting streets, both street names are listed here.
27. Origin City	Alphanumeric	Origin city.
28. Origin State	Alphanumeric	Origin state.
29. Origin Zip	Numeric	Origin zip code.
30. Origin County	Numeric	Code indicating county where trip originated. 1-Bexar, 2-Comal, 3-Guadalupe, 4-Kendall, 5-Wilson, 6-Medina, 7-Atascosa, 96-Other, 98-Unknown, 99-Refused
31. Other Origin County	Alphanumeric	If county origin/location is coded as "other", this field contains the name of the county.

Workplace Survey, Non-Free Standing Workplace Intercept Information (Record Type 11) - Continued

32. Origin Study Area	Alphanumeric	Code indicating study area in which trip origin is located. Use "SAT" to indicate the San Antonio study area. If trip origin is outside the study area being surveyed but within Texas, this field should be coded "TX". If location is outside Texas, "XX" should be coded in this field.
33. Origin Zone	Numeric	Leave blank-to be completed by TxDOT or TTI.
34. Origin Longitude	Numeric	Longitude of location trip originated from to 6 decimal places. If location is in Mexico, this should be coded 777.777777. If location is outside Texas, this should be coded 999.999999. If unknown but in the study area the work place is located in, it should be coded 888.888888. If unknown but in Texas, it should be coded as 666.666666.
35. Origin Latitude	Numeric	Latitude of location trip originated from to 6 decimal places. If location is in Mexico, this should be coded 777.777777. If location is outside Texas, this should be coded 999.999999. If unknown but in the study area the work place is located in, it should be coded 888.888888. If unknown but in Texas, it should be coded as 666.666666.
36. Entry Facility	Alphanumeric	If origin is outside the study area the work place is located in, this field should contain the name of the bridge, street, or highway used to enter the study area. Indicate the side of the study area that the entry occurred on with one or two letters (N, S, E, W, NE, SE, SW, NW) after the facility name (eg. I-20 NE).
37. Entry Study Area	Alphanumeric	If origin is outside of the study area, this field should contain a code indicating the study area where the bridge, street, or highway used to enter is located. Use "SAT" to indicate the San Antonio study area.
38. Entry External Zone	Numeric	Leave blank-to be completed by TxDOT or TTI.
39. Arrival Hour	Numeric	Hour person arrived at this site (2 digits in military time e.g. 14).
40. Arrival Minute	Numeric	Minute person arrived at this site (2 digits e.g. 07).
41. Mode	Numeric	Code indicating mode of travel to this location. 1-Driver (car/truck/van), 2-Passenger (car/truck/van), 3-Walk, 4-Bicycle, 5-Transit Bus, 6-School Bus, 7-Taxi/Limo, 8-Commercial Cargo Transport Vehicle, 9-Commercial Service Vehicle, 10-Motorcycle, 96-Other, 99-Refused
42. Other Mode	Alphanumeric	If mode is coded "other", this field should contain a description of the mode given.
43. Number Persons	Numeric	If car/truck/van, this is the number of persons in the vehicle including the person being interviewed. This field is blank for all other modes.
44. Fare	Numeric	If mode of travel was bus, this is the fare paid.
45. Trip Purpose	Numeric	Code indicating purpose of trip. 1-Return Home, 2-Work Related, 3-School Related, 4-Social/Recreational/Visit, 5-Shop, 6-Eat Out, 7-Personal Business, 8-Pick Up/Drop Off Passenger, 9-Change Travel Mode, 10-Delivery-Pick Up/Drop Off, 96-Other, 99-Refused
46. Other Purpose	Alphanumeric	If purpose is coded as "other", this contains description of purpose given.
47. First Store	Numeric	Code indicating if this store/work place is the first visited in the location since arriving. 1-Yes, 2-No, 98-Unknown, 99-Refused
48. Number Visited	Numeric	Number of stores/work places visited in this location including this establishment.
49. More Visits	Numeric	Number of additional stores/work places in this location person plans on visiting during this trip.
50. Depart Destination	Numeric	Code indicating destination when person departs from this site. 1-Home, 2-Other
51. Destination Address	Alphanumeric	Destination address or cross streets.
52. Destination City	Alphanumeric	Destination city.
53. Destination State	Alphanumeric	Destination state.
54. Destination Zip	Numeric	Destination zip code.
55. Destination County	Numeric	Code indicating county of trip destination. 1-Bexar, 2-Comal, 3-Guadalupe, 4-Kendall, 5-Wilson, 6-Medina, 7-Atascosa, 96-Other, 98-Unknown, 99-Refused
56. Other Destination County	Alphanumeric	If county destination/location is coded as "other", this field contains the name of the county.
57. Destination Study Area	Alphanumeric	Code indicating study area of trip destination. Use "SAT" to indicate the San Antonio study area. If trip destination is outside the study area being surveyed but within Texas, this field should be coded "TX". If location is outside Texas, "XX" should be coded in this field.
58. Destination Zone	Numeric	Leave blank-to be completed by TxDOT or TTI.

Workplace Survey, Non-Free Standing Workplace Intercept Information (Record Type 11) - Continued

59. Destination Longitude	Numeric	Longitude of destination location to 6 decimal places. If location is in Mexico, this should be coded 777.777777. If location is outside Texas, this should be coded 999.999999. If unknown but in study area the work place is located in, it should be coded 888.888888. If unknown but in Texas, it should be coded as 666.666666.
60. Destination Latitude	Numeric	Latitude of destination location to 6 decimal places. If address is in Mexico, this should be coded 777.777777. If address is outside Texas, this should be coded 999.999999. If unknown but in study area the work place is located in, it should be coded 888.888888. If unknown but in Texas, it should be coded as 666.666666.
61. Exit Facility	Alphanumeric	If destination is outside of the study area the work place is located in, this field should contain the name of the bridge, street, or highway used to leave the study area. Indicate the side of the study area that the exit occurred on with one or two letters (N, S, E, W, NE, SE, SW, NW) after the facility name (eg. I-20 NE).
62. Exit Study Area	Alphanumeric	If destination is outside of the study area, this field should contain a code indicating the study area where the bridge, street, or highway used to exit is located. Use "SAT" to indicate the San Antonio study area.
63. Exit External Zone	Numeric	Leave blank-to be completed by TxDOT or TTI.
64. Travel to Austin	Numeric	Code indicating frequency of travel to Austin. 1-Never, 2-1 to 2 times per year, 3-1 to 2 times every 6 months, 4-1 to 2 times every 3 months, 5-1 or more times every month, 6-1 or more times every week, 99-Refused
65. Travel to Dallas-Ft. Worth	Numeric	Code indicating frequency of travel to Dallas-Ft. Worth. 1- Never, 2-1 to 2 times per year, 3-1 to 2 times every 6 months, 4-1 to 2 times every 3 months, 5-1 or more times every month, 6-1 or more times every week, 99-Refused
66. Travel to Houston	Numeric	Code indicating frequency of travel to Houston. 1-Never, 2-1 to 2 times per year, 3-1 to 2 times every 6 months, 4-1 to 2 times every 3 months, 5-1 or more times every month, 6-1 or more times every week, 99-Refused
67. Passenger Rail to Dallas-Ft. Worth, Austin or Houston	Numeric	Code indicating whether respondent would use passenger rail service to Dallas-Ft. Worth, Austin or Houston. 1-Yes, 2-No, 3-Possibly
68. Annual Household Income	Numeric	Code indicating combined annual income of all household members. 1-Less than \$5,000 2-\$5,000 to \$9,999 3-\$10,000 to \$14,999 4-\$15,000 to \$17,499 5-\$17,500 to \$19,999 6-\$20,000 to \$22,499 7-\$22,500 to \$24,999 8-\$25,000 to \$27,499 9-\$27,500 to \$29,999 10-\$30,000 to \$32,499 11-\$32,500 to \$34,999 12-\$35,000 to \$39,999 13-\$40,000 to \$44,999 14-\$45,000 to \$49,999 15-\$50,000 to \$54,999 16-\$55,000 to \$59,999 17-\$60,000 to \$64,999 18-\$65,000 to \$69,999 19-\$70,000 to \$74,999 20-\$75,000 to \$79,999 21-\$80,000 to \$99,999 22-\$100,000 to \$124,999 23-\$125,000 to \$149,999 24-\$150,000 to \$199,999 25-\$200,000 or more 98-Don't Know 99-Refused

Workplace Survey, Commercial Vehicle Driver Intercept Information (Record Type 12)

This file contains data collected from commercial vehicle drivers at surveyed work places using Form D, Commercial Vehicle Driver Intercept Survey. The data in this record should be submitted as a comma-delimited file (Rec12.CSV) with information for each respondent entered in a separate row. Commas should not be used within individual data fields.

<u>Data Field</u>	<u>Type</u>	<u>Description</u>
1. Record Type	Alphanumeric	Code which indicates the type of record, here it should be 12.
2. Month	Numeric	Two-digit month work place was surveyed.
3. Day	Numeric	Two-digit day of the month work place was surveyed.
4. Year	Numeric	Four-digit year work place was surveyed.
5. Site Number	Numeric	Non-zero number assigned to the work place.
6. Interviewer	Alphanumeric	Name of person conducting survey interview.
7. Form Number	Numeric	Number of survey form.
8. Truck Number	Numeric	Truck number surveyed. This should correspond to the column number of the survey form used to collect the data.
9. Time Began	Numeric	Time interview began (4 digits in military time e.g. 1054).
10. Time Ended	Numeric	Time interview ended (4 digits in military time e.g. 1057).
11. Occupancy	Numeric	Number of people in vehicle.
12. Vehicle Classification	Numeric	Code indicating the classification of the vehicle. 1-Passenger Car, 2-Pick-up, 3-Van (cargo 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 (tractor-trailer combination), 96-Other
13. Other Classification	Alphanumeric	If vehicle classification is coded as "other", this field should contain the description recorded on the survey form for vehicle.
14. Type of Vehicle	Numeric	Code indicating type of commercial vehicle. 1-Cargo Transport Vehicle, 2-Service Vehicle (i.e. all others besides dedicated cargo transport).
15. Delivery Cargo	Numeric	Cargo being delivered to work place. 1-Farm Products, 2-Forest Products, 3-Marine Products, 4-Metals and Minerals, 5-Food, Health, and Beauty Products, 6-Tobacco Products, 7-Textiles, 8-Wood Products, 9-Printed Matter, 10-Chemical Products, 11-Refined Petroleum or Coal Products, 12-Rubber, Plastic, and Styrofoam Products, 13-Clay, Concrete, Glass, or Stone, 14-Manufactured Goods/Equip., 15-Wastes, 16-Miscellaneous Shipments, 17-Hazardous Materials, 18-Transportation, 19-Empty, 20-No cargo delivery/pickup, 96-Other-Unclassified Cargo, 98-Unknown, 99-Refused
16. Unclassified Delivery Cargo	Alphanumeric	If delivery cargo is coded as "other-unclassified", this field should contain the name of the cargo being delivered.
17. Delivery Cargo Weight	Numeric	Weight in pounds of cargo being delivered.
18. Pick-up Cargo	Numeric	Cargo being picked up at work place. 1-Farm Products, 2-Forest Products, 3-Marine Products, 4-Metals and Minerals, 5-Food, Health, and Beauty Products, 6-Tobacco Products, 7-Textiles, 8-Wood Products, 9-Printed Matter, 10-Chemical Products, 11-Refined Petroleum or Coal Products, 12-Rubber, Plastic, and Styrofoam Products, 13-Clay, Concrete, Glass, or Stone, 14-Manufactured Goods/Equip., 15-Wastes, 16-Miscellaneous Shipments, 17-Hazardous Materials, 18-Transportation, 19-Empty, 20-No cargo delivery/pickup, 96-Other-Unclassified Cargo, 98-Unknown, 99-Refused
19. Unclassified Pick Up Cargo	Alphanumeric	If pick up cargo is coded as "other-unclassified", this field should contain the name of the cargo being picked up.
20. Pick Up Cargo Weight	Numeric	Weight in pounds of cargo being picked up.
21. Trip Purpose	Numeric	Purpose of trip. 1-Base Location/Return to Base Location, 2-Delivery, 3-Pickup, 4-Delivery and Pick Up, 5-Maintenance, 6-Driver Needs (lunch, restroom, etc.), 7-To home, 8-Buy gas/fuel, 96-Other (Specify), 99-Refused
22. Other Trip Purpose	Alphanumeric	If trip purpose is coded as "other", this is a description of that purpose.
23. Origin Type of Place	Numeric	Code indicating type of place at origin of trip. 1-Office Building, 2-Retail/Shopping, 3-Industrial/Manufacturing, 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, 96-Other, 99-Refused
24. Other Origin Type of Place	Alphanumeric	If Origin Type of Place is coded as "other", this field contains a description of the type of place.
25. Origin Street Address	Alphanumeric	Street address of last place person got into vehicle before traveling to this work place.

Workplace Survey, Commercial Vehicle Driver Intercept Information (Record Type 12) - Continued

26. Origin City	Alphanumeric	Origin city.
27. Origin State	Alphanumeric	Origin state.
28. Origin Zip	Numeric	Origin zip code.
29. County of Origin	Numeric	Code indicating county where trip originated. 1-Bexar, 2-Comal, 3-Guadalupe, 4-Kendall, 5-Wilson, 6-Medina, 7-Atascosa, 96-Other, 98-Unknown, 99-Refused
30. Other Origin County	Alphanumeric	If county of origin is coded as "other", this field contains the name of the county.
31. Origin Study Area	Alphanumeric	Code indicating study area in which trip origin is located. Use "SAT" to indicate the San Antonio study area. If trip origin is outside the study area being surveyed but within Texas, this field should be coded "TX". If location is outside Texas, "XX" should be coded in this field.
32. Origin Zone	Numeric	Leave blank-to be completed by TxDOT or TTI.
33. Origin Longitude	Numeric	Longitude of location trip originated from to 6 decimal places. If location is in Mexico, this should be coded 777.777777. If location is outside Texas, this should be coded 999.999999. If unknown but in study area, it should be coded 888.888888. If unknown but in Texas, it should be coded as 666.666666.
34. Origin Latitude	Numeric	Latitude of location trip originated from to 6 decimal places. If location is in Mexico, this should be coded 777.777777. If location is outside Texas, this should be coded 999.999999. If unknown but in study area, it should be coded 888.888888. If unknown but in Texas, it should be coded as 666.666666.
35. Entry Facility	Alphanumeric	If origin is outside the study area the work place is located in, this field should contain the name of the bridge, street, or highway used to enter the study area. Indicate the side of the study area that the entry occurred on with one or two letters (N, S, E, W, NE, SE, SW, NW) after the facility name (eg. I-20 NE).
36. Entry Study Area	Alphanumeric	If origin is outside of the study area, this field should contain a code indicating the study area where the bridge, street, or highway used to enter is located. Use "SAT" to indicate the San Antonio study area.
37. Entry External Zone	Numeric	Leave blank-to be completed by TxDOT or TTI.
38. Origin Purpose	Numeric	Purpose for being at origin address where this trip originated. 1-Base Location/Return to Base Location, 2-Vehicle Maintenance (fuel, oil, etc) , 3-Driver Needs (lunch, etc), 4-Delivery of Cargo, 5-Pick up Cargo, 6-Deliver and Pick up Cargo, 7-Government Service, 8-Installation/Maintenance/Repair Service, 9-Sales/Professional Service, 96-Other Cargo or Service Activity, 99-Refused
39. Other Origin Purpose	Alphanumeric	If the origin purpose is coded as "other", this is a description of that purpose.
40. Hour Departed	Numeric	Hour vehicle departed from origin address (2 digits in military time e.g. 14).
41. Minute Departed	Numeric	Minute vehicle departed from origin address (2 digits e.g. 46).
42. Destination Type of Place	Numeric	Type of place at destination. 1-Office Building , 2-Retail/Shopping, 3-Industrial/Manufacturing , 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, 96-Other, 99-Refused
43. Other Destination Type of Place	Alphanumeric	If destination type of place is coded as "other", this field contains a description of the type of place.
44. Destination Street Address	Alphanumeric	Street address of location vehicle will be going when it leaves this work place.
45. Destination City	Alphanumeric	Destination city.
46. Destination State	Alphanumeric	Destination state.
47. Destination Zip	Numeric	Destination zip code.
48. Destination County	Numeric	Code indicating county of trip destination. 1-Bexar, 2-Comal, 3-Guadalupe, 4-Kendall, 5-Wilson, 6-Medina, 7-Atascosa, 96-Other, 98-Unknown, 99-Refused
49. Other Destination County	Alphanumeric	If county of destination is coded as "other", this field contains the name of the county.
50. Destination Study Area	Alphanumeric	Code indicating study area of trip destination. Use "SAT" to indicate the San Antonio study area. If trip destination is outside the study area being surveyed but within Texas, this field should be coded "TX". If location is outside Texas, "XX" should be coded in this field.

Workplace Survey, Commercial Vehicle Driver Intercept Information (Record Type 12) - Continued

51. Destination Zone	Numeric	Leave blank-to be completed by TxDOT or TTI. Longitude of destination location to 6 decimal places. If location is in Mexico, this should be coded 777.777777. If location is outside Texas, this should be coded 999.999999. If unknown but in study area, it should be coded 888.888888. If unknown but in Texas, it should be coded as 666.666666.
52. Destination Longitude	Numeric	
53. Destination Latitude	Numeric	Latitude of destination location to 6 decimal places. If address is in Mexico, this should be coded 777.777777. If address is outside Texas, this should be coded 999.999999. If unknown but in study area, it should be coded 888.888888. If unknown but in Texas, it should be coded as 666.666666.
54. Exit Facility	Alphanumeric	If destination is outside of the study area the work place is located in, this field should contain the name of the bridge, street, or highway used to leave the study area. Indicate the side of the study area that the exit occurred on with one or two letters (N, S, E, W, NE, SE, SW, NW) after the facility name (eg. I-20 NE).
55. Exit Study Area	Alphanumeric	If destination is outside of the study area, this field should contain a code indicating the study area where the bridge, street, or highway used to exit is located. Use "SAT" to indicate the San Antonio study area.
56. Exit External Zone	Numeric	Leave blank-to be completed by TxDOT or TTI. Purpose for traveling to the next destination. 1-Base Location/Return to Base Location, 2-Vehicle Maintenance (fuel, oil, etc) , 3-Driver Needs (lunch, etc), 4-Delivery of Cargo, 5-Pick up Cargo, 6-Deliver and Pick up Cargo, 7-Government Service, 8-Installation/Maintenance/Repair Service, 9-Sales/Professional Service, 96-Other Cargo or Service Activity, 99-Refused
57. Destination Purpose	Numeric	
58. Other Destination Purpose	Alphanumeric	If the destination purpose is coded as "other", this is a description of that purpose.

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Workplace Survey, University/College Special Generator Intercept Information (Record Type SU)

This file contains data collected from employees and visitors at special generator work places using Form B, Intercept Travel Survey, University/College. The data in this record should be submitted as a comma-delimited file (RecSU.CSV) with information for each respondent entered in a separate row. Commas should not be used within individual data fields.

<u>Data Field</u>	<u>Type</u>	<u>Description</u>
1. Record Type	Alphanumeric	Code which indicates the type of record. Here it should be SU.
2. Month	Numeric	Two-digit month work place was surveyed.
3. Day	Numeric	Two-digit day of the month work place was surveyed.
4. Year	Numeric	Four-digit year work place was surveyed.
5. Name of Generator	Alphanumeric	Name of special generator that was surveyed.
6. Campus Location	Alphanumeric	Location on campus where interviews are being conducted.
7. Site Number	Numeric	Unique non-zero number assigned to the university where these interviews were conducted.
8. Form Number	Numeric	Survey form number which contains raw survey data.
9. Person Number	Numeric	Number of person being interviewed. This corresponds to the column number on the interview form.
10. Time Began	Numeric	Time interview began (4 digits in military time e.g. 1054).
11. Time Ended	Numeric	Time interview ended (4 digits in military time e.g. 1057).
12. Person Interviewed	Numeric	Code indicating if person being interviewed is an employee, a visitor, or a student. 1-Employee, 2-Visitor, 3- Student
13. Campus Resident	Numeric	Code indicating if person lives on campus. 1-Yes, 2-No
14. Residence	Alphanumeric	Name of city, county or country where person lives.
15. Residence Code	Numeric	Code indicating if residence is located inside the study area the generator is located. 1-Yes, 2-No, 98-Unknown, 99-Refused
16. Home Entry Facility	Alphanumeric	If person does not live in the study area the college/university is located, this field should contain the name of the street/highway/bridge the person was on when they entered the study area the work place is located in. Indicate the side of the study area that the entry occurred on with one or two letters (N, S, E, W, NE, SE, SW, NW) after the facility name (eg. I-20 NE). If person stayed overnight, this field should be blank. Note that airport is a valid entry.
17. Home Entry Zone	Numeric	Leave blank-to be completed by TxDOT or TTI.
18. Home Address	Alphanumeric	Address where respondent lives. If person gives nearest intersecting streets, both street names are listed here.
19. Home City	Alphanumeric	City where respondent lives.
20. Home State	Alphanumeric	State where respondent lives.
21. Home Zip	Numeric	Zip code where respondent lives.
22. Home County	Numeric	Code indicating county where respondent's home is located. 1-Bexar, 2-Comal, 3-Guadalupe, 4-Kendall, 5-Wilson, 6-Medina, 7-Atascosa, 96-Other, 98-Unknown, 99-Refused
23. Other Home County	Alphanumeric	If county location is coded as "other", this field should contain the name of the county where location is.
24. Home Study Area	Alphanumeric	Code indicating study area in which home address is located. Use "SAT" to indicate the San Antonio study area. If home address is outside the study area being surveyed but within Texas, this field should be coded "TX". If location is outside Texas, "XX" should be coded in this field.
25. Home Zone	Numeric	Leave blank-to be completed by TxDOT or TTI.
26. Home Longitude	Numeric	Longitude of home address to 6 decimal places. If within the study area being surveyed, but unknown it should be coded 888.888888. If outside the study area being surveyed but within Texas and unknown it should be coded as 666.666666. Locations in Mexico should be coded 777.777777 and addresses outside of Texas and Mexico should be coded 999.999999.
27. Home Latitude	Numeric	Latitude of home address to 6 decimal places. If within the study area being surveyed, but unknown it should be coded 888.888888. If outside the study area being surveyed but within Texas and unknown it should be coded as 666.666666. Locations in Mexico should be coded 777.777777 and addresses outside of Texas and Mexico should be coded 999.999999.
28. Origin Code	Numeric	Code indicating origin of trip. 1-Home, 2-Other
29. Origin Address	Alphanumeric	Origin address. If person gives nearest intersecting streets, both street names are listed here.
30. Origin City	Alphanumeric	Origin city.
31. Origin State	Alphanumeric	Origin state.
32. Origin Zip	Numeric	Origin zip code.
33. Origin County	Numeric	Code indicating county where trip originated. 1-Bexar, 2-Comal, 3-Guadalupe, 4-Kendall, 5-Wilson, 6-Medina, 7-Atascosa, 96-Other, 98-Unknown, 99-Refused

Workplace Survey, University/College Special Generator Intercept Information (Record Type SU) – Continued

34. Other Origin County	Alphanumeric	If county origin/location is coded as "other", this field contains the name of the county.
35. Origin Study Area	Alphanumeric	Code indicating study area in which trip origin is located. Use "SAT" to indicate the San Antonio study area. If trip origin is outside the study area being surveyed but within Texas, this field should be coded "TX". If location is outside Texas, "XX" should be coded in this field.
36. Origin Zone	Numeric	Leave blank-to be completed by TxDOT or TTI.
37. Origin Longitude	Numeric	Longitude of location trip originated from to 6 decimal places. If location is in Mexico, this should be coded 777.777777. If location is outside Texas, this should be coded 999.999999. If unknown but in the study area the work place is located in, it should be coded 888.888888. If unknown but in Texas, it should be coded as 666.666666.
38. Origin Latitude	Numeric	Latitude of location trip originated from to 6 decimal places. If location is in Mexico, this should be coded 777.777777. If location is outside Texas, this should be coded 999.999999. If unknown but in the study area the work place is located in, it should be coded 888.888888. If unknown but in Texas, it should be coded as 666.666666.
39. Entry Facility	Alphanumeric	If origin is outside the study area the work place is located in, this field should contain the name of the bridge, street, or highway used to enter the study area. Indicate the side of the study area that the entry occurred on with one or two letters (N, S, E, W, NE, SE, SW, NW) after the facility name (eg. I-20 NE).
40. Entry Study Area	Alphanumeric	If origin is outside of the study area, this field should contain a code indicating the study area where the bridge, street, or highway used to enter is located. Use "SAT" to indicate the San Antonio study area.
41. Entry External Zone	Numeric	Leave blank-to be completed by TxDOT or TTI.
42. Arrival Hour	Numeric	Hour person arrived at this site (2 digits in military time e.g. 15).
43. Arrival Minute	Numeric	Minute person arrived at this site (2 digits e.g. 07).
44. Arrival Mode	Numeric	Code indicating mode of travel to this location. 1-Driver (car/truck/van), 2-Passenger (car/truck/van), 3-Walk, 4-Bicycle, 5-Transit Bus, 6-School Bus, 7-Taxi/Limo, 8-Commercial Cargo Transport Vehicle, 9-Commercial Service Vehicle, 10-Motorcycle, 96-Other, 99-Refused
45. Other Arrival Mode	Alphanumeric	If mode is coded "other", this field should contain a description of the mode given.
46. Number Persons	Numeric	If car/truck/van, this is the number of persons in the vehicle including the person being interviewed. This field is blank for all other modes.
47. Fare	Numeric	If mode of travel was bus, this is the fare paid.
48. Park Location	Numeric	If car/truck/van or motorcycle, this is code indicating where vehicle was parked. 1-On Campus, 2-Off Campus Parking Lot, 3-Off Campus On-Street Parking, 96-Other, 99-Refused. This field is blank for all other modes.
49. Other Parking	Alphanumeric	If park location is coded as "other", this field contains description of where person parked.
50. Trip Purpose	Numeric	Code indicating purpose of trip. 1-Return Home, 2-Work Related, 3-School Related, 4-Social/Recreational/Visit, 5-Shop, 6-Eat Out, 7-Personal Business, 8-Pick Up/Drop Off Passenger, 9-Change Travel Mode, 10-Delivery-Pick Up/Drop Off, 96-Other, 99-Refused
51. Other Purpose	Alphanumeric	If purpose is coded as "other", this contains description of purpose given.
52. Departure Mode	Numeric	Code indicating mode of departure from this location. 1-Driver (car/truck/van), 2-Passenger (car/truck/van), 3-Walk, 4-Bicycle, 5-Transit Bus, 6-School Bus, 7-Taxi/Limo, 8-Commercial Cargo Transport Vehicle, 9-Commercial Service Vehicle, 10-Motorcycle, 96-Other, 99-Refused
53. Departure Mode Other	Alphanumeric	If departure mode is coded "other", this field should contain a description of the mode given.
54. Depart Destination	Numeric	Code indicating destination when person departs from this site. 1-Home, 2-Other
55. Destination Address	Alphanumeric	Destination address or cross streets.
56. Destination City	Alphanumeric	Destination city.
57. Destination State	Alphanumeric	Destination state.
58. Destination Zip	Numeric	Destination zip code.

Workplace Survey, University/College Special Generator Intercept Information (Record Type SU) – Continued

59. Destination County	Numeric	Code indicating county of trip destination. 1-Bexar, 2-Comal, 3-Guadalupe, 4-Kendall, 5-Wilson, 6-Medina, 7-Atascosa, 96-Other, 98-Unknown, 99-Refused
60. Other Destination County	Alphanumeric	If county destination/location is coded as "other", this field contains the name of the county.
61. Destination Study Area	Alphanumeric	Code indicating study area of trip destination. Use "SAT" to indicate the San Antonio study area. If trip destination is outside the study area being surveyed but within Texas, this field should be coded "TX". If location is outside Texas, "XX" should be coded in this field.
62. Destination Zone	Numeric	Leave blank-to be completed by TxDOT or TTI.
63. Destination Longitude	Numeric	Longitude of destination location to 6 decimal places. If location is in Mexico, this should be coded 777.777777. If location is outside Texas, this should be coded 999.999999. If unknown but in study area the work place is located in, it should be coded 888.888888. If unknown but in Texas, it should be coded as 666.666666.
64. Destination Latitude	Numeric	Latitude of destination location to 6 decimal places. If address is in Mexico, this should be coded 777.777777. If address is outside Texas, this should be coded 999.999999. If unknown but in study area the work place is located in, it should be coded 888.888888. If unknown but in Texas, it should be coded as 666.666666.
65. Exit Facility	Alphanumeric	If destination is outside of the study area the work place is located in, this field should contain the name of the bridge, street, or highway used to leave the study area. Indicate the side of the study area that the exit occurred on with one or two letters (N, S, E, W, NE, SE, SW, NW) after the facility name (eg. I-20 NE).
66. Exit Study Area	Alphanumeric	If destination is outside of the study area, this field should contain a code indicating the study area where the bridge, street, or highway used to exit is located. Use "SAT" to indicate the San Antonio study area.
67. Exit External Zone	Numeric	Leave blank-to be completed by TxDOT or TTI.
68. Travel to Austin	Numeric	Code indicating frequency of travel to Austin. 1-Never, 2-1 to 2 times per year , 3-1 to 2 times every 6 months, 4-1 to 2 times every 3 months, 5-1 or more times every month, 6-1 or more times every week, 99-Refused
69. Travel to Dallas-Ft. Worth	Numeric	Code indicating frequency of travel to Dallas-Ft. Worth. 1-Never, 2-1 to 2 times per year , 3-1 to 2 times every 6 months, 4-1 to 2 times every 3 months, 5-1 or more times every month, 6-1 or more times every week, 99-Refused
70. Travel to Houston	Numeric	Code indicating frequency of travel to Houston. 1-Never, 2-1 to 2 times per year , 3-1 to 2 times every 6 months, 4-1 to 2 times every 3 months, 5-1 or more times every month, 6-1 or more times every week, 99-Refused
71. Passenger Rail to Dallas-Ft. Worth, Austin or Houston	Numeric	Code indicating whether respondent would use passenger rail service to Dallas-Ft. Worth, Austin or Houston. 1-Yes, 2-No, 3-Possibly

72. Annual Household Income	Numeric	Code indicating combined annual income of all household members.
		1-Less than \$5,000
		2-\$5,000 to \$9,999
		3-\$10,000 to \$14,999
		4-\$15,000 to \$17,499
		5-\$17,500 to \$19,999
		6-\$20,000 to \$22,499
		7-\$22,500 to \$24,999
		8-\$25,000 to \$27,499
		9-\$27,500 to \$29,999
		10-\$30,000 to \$32,499
		11-\$32,500 to \$34,999
		12-\$35,000 to \$39,999
		13-\$40,000 to \$44,999
		14-\$45,000 to \$49,999
		15-\$50,000 to \$54,999
		16-\$55,000 to \$59,999
		17-\$60,000 to \$64,999
		18-\$65,000 to \$69,999
		19-\$70,000 to \$74,999
		20-\$75,000 to \$79,999
		21-\$80,000 to \$99,999
		22-\$100,000 to \$124,999
		23-\$125,000 to \$149,999
		24-\$150,000 to \$199,999
		25-\$200,000 or more
		98-Don't Know 99-Refused

DRAFT

Workplace Survey, Mall/Shopping/Mixed Use Special Generator Intercept Information (Record Type SM)

This file contains data collected from employees and visitors at special generator work places using Form B, Intercept Travel Survey, Mall/Shopping Center/Mixed Use. The data in this record should be submitted as a comma-delimited file (RecSM.CSV) with information for each respondent entered in a separate row. Commas should not be used within individual data fields.

<u>Data Field</u>	<u>Type</u>	<u>Description</u>
1. Record Type	Alphanumeric	Code which indicates the type of record. Here it should be SM.
2. Month	Numeric	Two-digit month work place was surveyed.
3. Day	Numeric	Two-digit day of the month work place was surveyed.
4. Year	Numeric	Four-digit year work place was surveyed.
5. Name of Generator	Alphanumeric	Name of special generator that was surveyed.
6. Location of Interview	Alphanumeric	Location in special generator where interviews were conducted.
7. Site Number	Numeric	Unique non-zero number assigned to the establishment where these interviews were conducted.
8. Form Number	Numeric	Survey form number which contains raw survey data.
9. Person Number	Numeric	Number of person being interviewed. This corresponds to the column number on the interview form.
10. Time Began	Numeric	Time interview began (4 digits in military time e.g. 1054).
11. Time Ended	Numeric	Time interview ended (4 digits in military time e.g. 1057).
12. Person Interviewed	Numeric	Code indicating if person being interviewed is an employee or a visitor. 1-Employee, 2-Visitor
13. Development Resident	Numeric	Code indicating whether respondent lives within the defined SGR property boundary. 1-Yes, 2-No (asked at Mixed-Use Special Generators only)
14. Residence	Alphanumeric	Name of city, county or country where person lives.
15. Residence Code	Numeric	Code indicating if residence is located inside the study area the generator is located. 1-Yes, 2-No, 98-Unknown, 99-Refused
16. Home Entry Facility	Alphanumeric	If person does not live in the study area in which the generator is located, this field should contain the name of the street/highway/bridge the person was on when they entered the study area the work place is located in. Indicate the side of the study area that the entry occurred on with one or two letters (N, S, E, W, NE, SE, SW, NW) after the facility name (eg. I-20 NE). If person stayed overnight, this field should be blank. Note that airport is a valid entry.
17. Home Entry Zone	Numeric	Leave blank-to be completed by TxDOT or TTI.
18. Home Address	Alphanumeric	Address where respondent lives. If person gives nearest intersecting streets, both street names are listed here.
19. Home City	Alphanumeric	City where respondent lives.
20. Home State	Alphanumeric	State where respondent lives.
21. Home Zip	Numeric	Zip code where respondent lives.
22. Home County	Numeric	Code indicating county where respondent's home is located. 1-Bexar, 2-Comal, 3-Guadalupe, 4-Kendall, 5-Wilson, 6-Medina, 7-Atascosa, 96-Other, 98-Unknown, 99-Refused
23. Other Home County	Alphanumeric	If county location is coded as "other", this field should contain the name of the county where location is.
24. Home Study Area	Alphanumeric	Code indicating study area in which home address is located. Use "SAT" to indicate the San Antonio study area. If home address is outside the study area being surveyed but within Texas, this field should be coded "TX". If location is outside Texas, "XX" should be coded in this field.
25. Home Zone	Numeric	Leave blank-to be completed by TxDOT or TTI.
26. Home Longitude	Numeric	Longitude of home address to 6 decimal places. If within the study area being surveyed, but unknown it should be coded 888.888888. If outside the study area being surveyed but within Texas and unknown it should be coded as 666.666666. Locations in Mexico should be coded 777.777777 and addresses outside of Texas and Mexico should be coded 999.999999.
27. Home Latitude	Numeric	Latitude of home address to 6 decimal places. If within the study area being surveyed, but unknown it should be coded 888.888888. If outside the study area being surveyed but within Texas and unknown it should be coded as 666.666666. Locations in Mexico should be coded 777.777777 and addresses outside of Texas and Mexico should be coded 999.999999.
28. Origin Code	Numeric	Code indicating origin of trip. 1-Home, 2-Other
29. Origin Address	Alphanumeric	Origin address. If person gives nearest intersecting streets, both street names are listed here.

Workplace Survey, Mall/Shopping/Mixed Use Special Generator Intercept Information (Record Type SM) – Continued

30. Origin City	Alphanumeric	Origin city.
31. Origin State	Alphanumeric	Origin state.
32. Origin Zip	Numeric	Origin zip code.
33. Origin County	Numeric	Code indicating county where trip originated. 1-Bexar, 2-Comal, 3-Guadalupe, 4-Kendall, 5-Wilson, 6-Medina, 7-Atascosa, 96-Other, 98-Unknown, 99-Refused
34. Other Origin County	Alphanumeric	If county origin/location is coded as "other", this field contains the name of the county.
35. Origin Study Area	Alphanumeric	Code indicating study area in which trip origin is located. Use "SAT" to indicate the San Antonio study area. If trip origin is outside the study area being surveyed but within Texas, this field should be coded "TX". If location is outside Texas, "XX" should be coded in this field.
36. Origin Zone	Numeric	Leave blank-to be completed by TxDOT or TTI.
37. Origin Longitude	Numeric	Longitude of location trip originated from to 6 decimal places. If location is in Mexico, this should be coded 777.777777. If location is outside Texas, this should be coded 999.999999. If unknown but in the study area the work place is located in, it should be coded 888.888888. If unknown but in Texas, it should be coded as 666.666666.
38. Origin Latitude	Numeric	Latitude of location trip originated from to 6 decimal places. If location is in Mexico, this should be coded 777.777777. If location is outside Texas, this should be coded 999.999999. If unknown but in the study area the work place is located in, it should be coded 888.888888. If unknown but in Texas, it should be coded as 666.666666.
39. Entry Facility	Alphanumeric	If origin is outside the study area the work place is located in, this field should contain the name of the bridge, street, or highway used to enter the study area. Indicate the side of the study area that the entry occurred on with one or two letters (N, S, E, W, NE, SE, SW, NW) after the facility name (eg. I-20 NE).
40. Entry Study Area	Alphanumeric	If origin is outside of the study area, this field should contain a code indicating the study area where the bridge, street, or highway used to enter is located. Use "SAT" to indicate the San Antonio study area.
41. Entry External Zone	Numeric	Leave blank-to be completed by TxDOT or TTI.
42. Arrival Hour	Numeric	Hour person arrived at this site (2 digits in military time e.g. 14).
43. Arrival Minute	Numeric	Minute person arrived at this site (2 digits e.g. 07).
44. Arrival Mode	Numeric	Code indicating mode of travel to this location. 1-Driver (car/truck/van), 2-Passenger (car/truck/van), 3-Walk, 4-Bicycle, 5-Transit Bus, 6-School Bus, 7-Taxi/Limo, 8-Commercial Cargo Transport Vehicle, 9-Commercial Service Vehicle, 10-Motorcycle, 96-Other, 99-Refused
45. Other Arrival Mode	Alphanumeric	If mode is coded "other", this field should contain a description of the mode given.
46. Number Persons	Numeric	If car/truck/van, this is the number of persons in the vehicle including the person being interviewed. This field is blank for all other modes.
47. Fare	Numeric	If mode of travel was bus, this is the fare paid.
48. Trip Purpose	Numeric	Code indicating purpose of trip. 1-Return Home, 2-Work Related, 3-School Related, 4-Social/Recreational/Visit, 5-Shop, 6-Eat Out, 7-Personal Business, 8-Pick Up/Drop Off Passenger, 9-Change Travel Mode, 10-Delivery-Pick Up/Drop Off, 96-Other, 99-Refused
49. Other Purpose	Alphanumeric	If purpose is coded as "other", this contains description of purpose given.
50. Depart Destination	Numeric	Code indicating destination when person departs from this site: 1-Home, 2-Other.
51. Destination Address	Alphanumeric	Destination address or cross streets.
52. Destination City	Alphanumeric	Destination city.
53. Destination State	Alphanumeric	Destination state.
54. Destination Zip	Numeric	Destination zip code.
55. Destination County	Numeric	Code indicating county of trip destination. 1-Bexar, 2-Comal, 3-Guadalupe, 4-Kendall, 5-Wilson, 6-Medina, 7-Atascosa, 96-Other, 98-Unknown, 99-Refused
56. Other Destination County	Alphanumeric	If county destination/location is coded as "other", this field contains the name of the county.

Workplace Survey, Mall/Shopping/Mixed Use Special Generator Intercept Information (Record Type SM) – Continued

57. Destination Study Area	Alphanumeric	Code indicating study area of trip destination. Use "SAT" to indicate the San Antonio study area. If trip destination is outside the study area being surveyed but within Texas, this field should be coded "TX". If location is outside Texas, "XX" should be coded in this field.
58. Destination Zone	Numeric	Leave blank-to be completed by TxDOT or TTI.
59. Destination Longitude	Numeric	Longitude of destination location to 6 decimal places. If location is in Mexico, this should be coded 777.777777. If location is outside Texas, this should be coded 999.999999. If unknown but in study area the work place is located in, it should be coded 888.888888. If unknown but in Texas, it should be coded as 666.666666.
60. Destination Latitude	Numeric	Latitude of destination location to 6 decimal places. If address is in Mexico, this should be coded 777.777777. If address is outside Texas, this should be coded 999.999999. If unknown but in study area the work place is located in, it should be coded 888.888888. If unknown but in Texas, it should be coded as 666.666666.
61. Exit Facility	Alphanumeric	If destination is outside of the study area the work place is located in, this field should contain the name of the bridge, street, or highway used to leave the study area. Indicate the side of the study area that the exit occurred on with one or two letters (N, S, E, W, NE, SE, SW, NW) after the facility name (eg. I-20 NE).
62. Exit Study Area	Alphanumeric	If destination is outside of the study area, this field should contain a code indicating the study area where the bridge, street, or highway used to exit is located. Use "SAT" to indicate the San Antonio study area.
63. Exit External Zone	Numeric	Leave blank-to be completed by TxDOT or TTI.
64. Travel to Austin	Numeric	Code indicating frequency of travel to Austin. 1-Never, 2-1 to 2 times per year , 3-1 to 2 times every 6 months, 4-1 to 2 times every 3 months, 5-1 or more times every month, 6-1 or more times every week, 99-Refused
65. Travel to Dallas-Ft. Worth	Numeric	Code indicating frequency of travel to Dallas-Ft. Worth. 1-Never, 2-1 to 2 times per year , 3-1 to 2 times every 6 months, 4-1 to 2 times every 3 months, 5-1 or more times every month, 6-1 or more times every week, 99-Refused
66. Travel to Houston	Numeric	Code indicating frequency of travel to Houston. 1-Never, 2-1 to 2 times per year , 3-1 to 2 times every 6 months, 4-1 to 2 times every 3 months, 5-1 or more times every month, 6-1 or more times every week, 99-Refused
67. Passenger Rail to Dallas-Ft. Worth, Austin or Houston	Numeric	Code indicating whether respondent would use passenger rail service to Dallas-Ft. Worth, Austin or Houston. 1-Yes, 2-No, 3-Possibly
68. Annual Household Income	Numeric	Code indicating combined annual income of all household members. 1-Less than \$5,000 2-\$5,000 to \$9,999 3-\$10,000 to \$14,999 4-\$15,000 to \$17,499 5-\$17,500 to \$19,999 6-\$20,000 to \$22,499 7-\$22,500 to \$24,999 8-\$25,000 to \$27,499 9-\$27,500 to \$29,999 10-\$30,000 to \$32,499 11-\$32,500 to \$34,999 12-\$35,000 to \$39,999 13-\$40,000 to \$44,999 14-\$45,000 to \$49,999 15-\$50,000 to \$54,999 16-\$55,000 to \$59,999 17-\$60,000 to \$64,999 18-\$65,000 to \$69,999 19-\$70,000 to \$74,999 20-\$75,000 to \$79,999 21-\$80,000 to \$99,999 22-\$100,000 to \$124,999 23-\$125,000 to \$149,999 24-\$150,000 to \$199,999 25-\$200,000 or more 98-Don't Know 99-Refused

Workplace Survey, Hospital/Medical Center Special Generator Intercept Information (Record Type SH)

This file contains data collected from employees and visitors at special generator work places using Form B, Intercept Travel Survey, Hospital/Medical Center. The data in this record should be submitted as a comma-delimited file (RecSH.CSV) with information for each respondent entered in a separate row. Commas should not be used within individual data fields.

<u>Data Field</u>	<u>Type</u>	<u>Description</u>
1. Record Type	Alphanumeric	Code which indicates the type of record. Here it should be SH.
2. Month	Numeric	Two-digit month work place was surveyed.
3. Day	Numeric	Two-digit day of the month work place was surveyed.
4. Year	Numeric	Four-digit year work place was surveyed.
5. Name of Generator	Alphanumeric	Name of special generator that was surveyed.
6. Location of Interview	Alphanumeric	Location in special generator where interviews were conducted.
7. Site Number	Numeric	Unique non-zero number assigned to the establishment where these interviews were conducted.
8. Form Number	Numeric	Survey form number which contains raw survey data.
9. Person Number	Numeric	Number of person being interviewed. This corresponds to the column number on the interview form.
10. Time Began	Numeric	Time interview began (4 digits in military time e.g. 1054).
11. Time Ended	Numeric	Time interview ended (4 digits in military time e.g. 1057).
12. Person Interviewed	Numeric	Code indicating if person being interviewed is an employee or a visitor. 1-Employee, 2-Visitor
13. Residence	Alphanumeric	Name of city, county or country where person lives.
14. Residence Code	Numeric	Code indicating if residence is located inside the study area the generator is located. 1-Yes, 2-No, 98-Unknown, 99-Refused
15. Home Entry Facility	Alphanumeric	If person does not live in the study area in which the generator is located, this field should contain the name of the street/highway/bridge the person was on when they entered the study area the work place is located in. Indicate the side of the study area that the entry occurred on with one or two letters (N, S, E, W, NE, SE, SW, NW) after the facility name (eg. I-20 NE). If person stayed overnight, this field should be blank. Note that airport is a valid entry.
16. Home Entry Zone	Numeric	Leave blank-to be completed by TxDOT or TTI.
17. Home Address	Alphanumeric	Address where respondent lives. If person gives nearest intersecting streets, both street names are listed here.
18. Home City	Alphanumeric	City where respondent lives.
19. Home State	Alphanumeric	State where respondent lives.
20. Home Zip	Numeric	Zip code where respondent lives.
21. Home County	Numeric	Code indicating county where respondent's home is located. 1-Bexar, 2-Comal, 3-Guadalupe, 4-Kendall, 5-Wilson, 6-Medina, 7-Atascosa, 96-Other, 98-Unknown, 99-Refused
22. Other Home County	Alphanumeric	If county location is coded as "other", this field should contain the name of the county where location is.
23. Home Study Area	Alphanumeric	Code indicating study area in which home address is located. Use "SAT" to indicate the San Antonio study area. If home address is outside the study area being surveyed but within Texas, this field should be coded "TX". If location is outside Texas, "XX" should be coded in this field.
24. Home Zone	Numeric	Leave blank-to be completed by TxDOT or TTI.
25. Home Longitude	Numeric	Longitude of home address to 6 decimal places. If within the study area being surveyed, but unknown it should be coded 888.888888. If outside the study area being surveyed but within Texas and unknown it should be coded as 666.666666. Locations in Mexico should be coded 777.777777 and addresses outside of Texas and Mexico should be coded 999.999999.
26. Home Latitude	Numeric	Latitude of home address to 6 decimal places. If within the study area being surveyed, but unknown it should be coded 888.888888. If outside the study area being surveyed but within Texas and unknown it should be coded as 666.666666. Locations in Mexico should be coded 777.777777 and addresses outside of Texas and Mexico should be coded 999.999999.
27. Origin Code	Numeric	Code indicating origin of trip. 1-Home, 2-Other
28. Origin Address	Alphanumeric	Origin address. If person gives nearest intersecting streets, both street names are listed here.
29. Origin City	Alphanumeric	Origin city.
30. Origin State	Alphanumeric	Origin state.
31. Origin Zip	Numeric	Origin zip code.

Workplace Survey, Hospital/Medical Center Special Generator Intercept Information (Record Type SH) - Continued

32. Origin County	Numeric	Code indicating county where trip originated. 1-Bexar, 2-Comal, 3-Guadalupe, 4-Kendall, 5-Wilson, 6-Medina, 7-Atascosa, 96-Other, 98-Unknown, 99-Refused
33. Other Origin County	Alphanumeric	If county origin/location is coded as "other", this field contains the name of the county.
34. Origin Study Area	Alphanumeric	Code indicating study area in which trip origin is located. Use "SAT" to indicate the San Antonio study area. If trip origin is outside the study area being surveyed but within Texas, this field should be coded "TX". If location is outside Texas, "XX" should be coded in this field.
35. Origin Zone	Numeric	Leave blank-to be completed by TxDOT or TTI.
36. Origin Longitude	Numeric	Longitude of location trip originated from to 6 decimal places. If location is in Mexico, this should be coded 777.777777. If location is outside Texas, this should be coded 999.999999. If unknown but in the study area the work place is located in, it should be coded 888.888888. If unknown but in Texas, it should be coded as 666.666666.
37. Origin Latitude	Numeric	Latitude of location trip originated from to 6 decimal places. If location is in Mexico, this should be coded 777.777777. If location is outside Texas, this should be coded 999.999999. If unknown but in the study area the work place is located in, it should be coded 888.888888. If unknown but in Texas, it should be coded as 666.666666.
38. Entry Facility	Alphanumeric	If origin is outside the study area the work place is located in, this field should contain the name of the bridge, street, or highway used to enter the study area. Indicate the side of the study area that the entry occurred on with one or two letters (N, S, E, W, NE, SE, SW, NW) after the facility name (eg. I-20 NE).
39. Entry Study Area	Alphanumeric	If origin is outside of the study area, this field should contain a code indicating the study area where the bridge, street, or highway used to enter is located. Use "SAT" to indicate the San Antonio study area.
40. Entry External Zone	Numeric	Leave blank-to be completed by TxDOT or TTI.
41. Arrival Hour	Numeric	Hour person arrived at this site (2 digits in military time e.g. 14).
42. Arrival Minute	Numeric	Minute person arrived at this site (2 digits e.g. 07).
43. Arrival Mode	Numeric	Code indicating mode of travel to this location. 1-Driver (car/truck/van), 2-Passenger (car/truck/van), 3-Walk, 4-Bicycle, 5-Transit Bus, 6-School Bus, 7-Taxi/Limo, 8-Commercial Cargo Transport Vehicle, 9-Commercial Service Vehicle, 10-Motorcycle, 96-Other, 99-Refused
44. Other Arrival Mode	Alphanumeric	If mode is coded "other", this field should contain a description of the mode given.
45. Number Persons	Numeric	If car/truck/van, this is the number of persons in the vehicle including the person being interviewed. This field is blank for all other modes.
46. Fare	Numeric	If mode of travel was bus, this is the fare paid.
47. Trip Purpose	Numeric	Code indicating purpose of trip. 1-Return Home, 2-Work Related, 3-School Related, 4-Social/Recreational/Visit, 5-Shop, 6-Eat Out, 7-Personal Business, 8-Pick Up/Drop Off Passenger, 9-Change Travel Mode, 10-Delivery-Pick Up/Drop Off, 96-Other, 99-Refused
48. Other Purpose	Alphanumeric	If purpose is coded as "other", this contains description of purpose given.
49. Depart Destination	Numeric	Code indicating destination when person departs from this site. 1-Home, 2-Other
50. Destination Address	Alphanumeric	Destination address or cross streets.
51. Destination City	Alphanumeric	Destination city.
52. Destination State	Alphanumeric	Destination state.
53. Destination Zip	Numeric	Destination zip code.
54. Destination County	Numeric	Code indicating county of trip destination. 1-Bexar, 2-Comal, 3-Guadalupe, 4-Kendall, 5-Wilson, 6-Medina, 7-Atascosa, 96-Other, 98-Unknown, 99-Refused
55. Other Destination County	Alphanumeric	If county destination/location is coded as "other", this field contains the name of the county.
56. Destination Study Area	Alphanumeric	Code indicating study area of trip destination. Use "SAT" to indicate the San Antonio study area. If trip destination is outside the study area being surveyed but within Texas, this field should be coded "TX". If location is outside Texas, "XX" should be coded in this field.

Workplace Survey, Hospital/Medical Center Special Generator Intercept Information (Record Type SH) - Continued

57. Destination Zone	Numeric	Leave blank-to be completed by TxDOT or TTI. Longitude of destination location to 6 decimal places. If location is in Mexico, this should be coded 777.777777. If location is outside Texas, this should be coded 999.999999. If unknown but in study area the work place is located in, it should be coded 888.888888. If unknown but in Texas, it should be coded as 666.666666.
58. Destination Longitude	Numeric	
59. Destination Latitude	Numeric	Latitude of destination location to 6 decimal places. If address is in Mexico, this should be coded 777.777777. If address is outside Texas, this should be coded 999.999999. If unknown but in study area the work place is located in, it should be coded 888.888888. If unknown but in Texas, it should be coded as 666.666666.
60. Exit Facility	Alphanumeric	If destination is outside of the study area the work place is located in, this field should contain the name of the bridge, street, or highway used to leave the study area. Indicate the side of the study area that the exit occurred on with one or two letters (N, S, E, W, NE, SE, SW, NW) after the facility name (eg. I-20 NE).
61. Exit Study Area	Alphanumeric	If destination is outside of the study area, this field should contain a code indicating the study area where the bridge, street, or highway used to exit is located. Use "SAT" to indicate the San Antonio study area.
62. Exit External Zone	Numeric	Leave blank-to be completed by TxDOT or TTI. Code indicating frequency of travel to Austin. 1-Never, 2-1 to 2 times per year , 3-1 to 2 times every 6 months, 4-1 to 2 times every 3 months, 5-1 or more times every month, 6-1 or more times every week, 99-Refused
63. Travel to Austin	Numeric	
64. Travel to Dallas-Ft. Worth	Numeric	Code indicating frequency of travel to Dallas-Ft. Worth. 1- Never, 2-1 to 2 times per year , 3-1 to 2 times every 6 months, 4-1 to 2 times every 3 months, 5-1 or more times every month, 6-1 or more times every week, 99-Refused
65. Travel to Houston	Numeric	Code indicating frequency of travel to Houston. 1-Never, 2-1 to 2 times per year , 3-1 to 2 times every 6 months, 4-1 to 2 times every 3 months, 5-1 or more times every month, 6-1 or more times every week, 99-Refused
66. Passenger Rail to Dallas-Ft. Worth, Austin or Houston	Numeric	Code indicating whether respondent would use passenger rail service to Dallas-Ft. Worth, Austin or Houston. 1-Yes, 2-No, 3-Possibly
67. Annual Household Income	Numeric	Code indicating combined annual income of all household members. 1-Less than \$5,000 2-\$5,000 to \$9,999 3-\$10,000 to \$14,999 4-\$15,000 to \$17,499 5-\$17,500 to \$19,999 6-\$20,000 to \$22,499 7-\$22,500 to \$24,999 8-\$25,000 to \$27,499 9-\$27,500 to \$29,999 10-\$30,000 to \$32,499 11-\$32,500 to \$34,999 12-\$35,000 to \$39,999 13-\$40,000 to \$44,999 14-\$45,000 to \$49,999 15-\$50,000 to \$54,999 16-\$55,000 to \$59,999 17-\$60,000 to \$64,999 18-\$65,000 to \$69,999 19-\$70,000 to \$74,999 20-\$75,000 to \$79,999 21-\$80,000 to \$99,999 22-\$100,000 to \$124,999 23-\$125,000 to \$149,999 24-\$150,000 to \$199,999 25-\$200,000 or more 98-Don't Know 99-Refused

Workplace Survey, Air/Military Base Special Generator Intercept Information (Record Type SA)

This file contains data collected from employees and visitors at special generator work places using Form B, Intercept Travel Survey, Air/Military Base. The data in this record should be submitted as a comma-delimited file (RecSA.CSV) with information for each respondent entered in a separate row. Commas should not be used within individual data fields.

<u>Data Field</u>	<u>Type</u>	<u>Description</u>
1. Record Type	Alphanumeric	Code which indicates the type of record. Here it should be SA.
2. Month	Numeric	Two-digit month work place was surveyed.
3. Day	Numeric	Two-digit day of the month work place was surveyed.
4. Year	Numeric	Four-digit year work place was surveyed.
5. Name of Generator	Alphanumeric	Name of special generator that was surveyed.
6. Location of Interview	Alphanumeric	Location in special generator where interviews were conducted.
7. Site Number	Numeric	Unique non-zero number assigned to the establishment where these interviews were conducted.
8. Form Number	Numeric	Survey form number which contains raw survey data.
9. Person Number	Numeric	Number of person being interviewed. This corresponds to the column number on the interview form.
10. Time Began	Numeric	Time interview began (4 digits in military time e.g. 1054).
11. Time Ended	Numeric	Time interview ended (4 digits in military time e.g. 1057).
12. Person Interviewed	Numeric	Code indicating if person being interviewed is an employee or a visitor. 1-Employee, 2-Visitor
13. Military Base Resident	Numeric	Code indicating whether respondent lives within the defined SGR property boundary. 1-Yes, 2-No (asked at Military Bases only)
14. Residence	Alphanumeric	Name of city, county or country where person lives.
15. Residence Code	Numeric	Code indicating if residence is located inside the study area the generator is located. 1-Yes, 2-No, 98-Unknown, 99-Refused
16. Home Entry Facility	Alphanumeric	If person does not live in the study area in which the generator is located, this field should contain the name of the street/highway/bridge the person was on when they entered the study area the work place is located in. Indicate the side of the study area that the entry occurred on with one or two letters (N, S, E, W, NE, SE, SW, NW) after the facility name (eg. I-20 NE). If person stayed overnight, this field should be blank. Note that airport is a valid entry.
17. Home Entry Zone	Numeric	Leave blank-to be completed by TxDOT or TTI.
18. Home Address	Alphanumeric	Address where respondent lives. If person gives nearest intersecting streets, both street names are listed here.
19. Home City	Alphanumeric	City where respondent lives.
20. Home State	Alphanumeric	State where respondent lives.
21. Home Zip	Numeric	Zip code where respondent lives.
22. Home County	Numeric	Code indicating county where respondent's home is located. 1-Bexar, 2-Comal, 3-Guadalupe, 4-Kendall, 5-Wilson, 6-Medina, 7-Atascosa, 96-Other, 98-Unknown, 99-Refused
23. Other Home County	Alphanumeric	If county location is coded as "other", this field should contain the name of the county where location is.
24. Home Study Area	Alphanumeric	Code indicating study area in which home address is located. Use "SAT" to indicate the San Antonio study area. If home address is outside the study area being surveyed but within Texas, this field should be coded "TX". If location is outside Texas, "XX" should be coded in this field.
25. Home Zone	Numeric	Leave blank-to be completed by TxDOT or TTI.
26. Home Longitude	Numeric	Longitude of home address to 6 decimal places. If within the study area being surveyed, but unknown it should be coded 888.888888. If outside the study area being surveyed but within Texas and unknown it should be coded as 666.666666. Locations in Mexico should be coded 777.777777 and addresses outside of Texas and Mexico should be coded 999.999999.
27. Home Latitude	Numeric	Latitude of home address to 6 decimal places. If within the study area being surveyed, but unknown it should be coded 888.888888. If outside the study area being surveyed but within Texas and unknown it should be coded as 666.666666. Locations in Mexico should be coded 777.777777 and addresses outside of Texas and Mexico should be coded 999.999999.
28. Origin Code	Numeric	Code indicating origin of trip. 1-Home, 2-Other
29. Origin Address	Alphanumeric	Origin address. If person gives nearest intersecting streets, both street names are listed here.

Workplace Survey, Air/Military Base Special Generator Intercept Information (Record Type SA) – Continued

30. Origin City	Alphanumeric	Origin city.
31. Origin State	Alphanumeric	Origin state.
32. Origin Zip	Numeric	Origin zip code.
33. Origin County	Numeric	Code indicating county where trip originated. 1-Bexar, 2-Comal, 3-Guadalupe, 4-Kendall, 5-Wilson, 6-Medina, 7-Atascosa, 96-Other, 98-Unknown, 99-Refused
34. Other Origin County	Alphanumeric	If county origin/location is coded as "other", this field contains the name of the county.
35. Origin Study Area	Alphanumeric	Code indicating study area in which trip origin is located. Use "SAT" to indicate the San Antonio study area. If trip origin is outside the study area being surveyed but within Texas, this field should be coded "TX". If location is outside Texas, "XX" should be coded in this field.
36. Origin Zone	Numeric	Leave blank-to be completed by TxDOT or TTI.
37. Origin Longitude	Numeric	Longitude of location trip originated from to 6 decimal places. If location is in Mexico, this should be coded 777.777777. If location is outside Texas, this should be coded 999.999999. If unknown but in the study area the work place is located in, it should be coded 888.888888. If unknown but in Texas, it should be coded as 666.666666.
38. Origin Latitude	Numeric	Latitude of location trip originated from to 6 decimal places. If location is in Mexico, this should be coded 777.777777. If location is outside Texas, this should be coded 999.999999. If unknown but in the study area the work place is located in, it should be coded 888.888888. If unknown but in Texas, it should be coded as 666.666666.
39. Entry Facility	Alphanumeric	If origin is outside the study area the work place is located in, this field should contain the name of the bridge, street, or highway used to enter the study area. Indicate the side of the study area that the entry occurred on with one or two letters (N, S, E, W, NE, SE, SW, NW) after the facility name (eg. I-20 NE).
40. Entry Study Area	Alphanumeric	If origin is outside of the study area, this field should contain a code indicating the study area where the bridge, street, or highway used to enter is located. Use "SAT" to indicate the San Antonio study area.
41. Entry External Zone	Numeric	Leave blank-to be completed by TxDOT or TTI.
42. Arrival Hour	Numeric	Hour person arrived at this site (2 digits in military time e.g. 14).
43. Arrival Minute	Numeric	Minute person arrived at this site (2 digits e.g. 07).
44. Arrival Mode	Numeric	Code indicating mode of travel to this location. 1-Driver (car/truck/van), 2-Passenger (car/truck/van), 3-Walk, 4-Bicycle, 5-Transit Bus, 6-School Bus, 7-Taxi/Limo, 8-Commercial Cargo Transport Vehicle, 9-Commercial Service Vehicle, 10-Motorcycle, 96-Other, 99-Refused
45. Other Arrival Mode	Alphanumeric	If mode is coded "other", this field should contain a description of the mode given.
46. Number Persons	Numeric	If car/truck/van, this is the number of persons in the vehicle including the person being interviewed. This field is blank for all other modes.
47. Fare	Numeric	If mode of travel was bus, this is the fare paid.
48. Trip Purpose	Numeric	Code indicating purpose of trip. 1-Return Home, 2-Work Related, 3-School Related, 4-Social/Recreational/Visit, 5-Shop, 6-Eat Out, 7-Personal Business, 8-Pick Up/Drop Off Passenger, 9-Change Travel Mode, 10-Delivery-Pick Up/Drop Off, 96-Other, 99-Refused
49. Other Purpose	Alphanumeric	If purpose is coded as "other", this contains description of purpose given.
50. Departure Mode	Numeric	Code indicating mode of departure from this location. 1-Driver (car/truck/van), 2-Passenger (car/truck/van), 3-Walk, 4-Bicycle, 5-Transit Bus, 6-School Bus, 7-Taxi/Limo, 8-Commercial Cargo Transport Vehicle, 9-Commercial Service Vehicle, 10-Motorcycle, 96-Other, 99-Refused
51. Departure Mode Other	Alphanumeric	If departure mode is coded "other", this field should contain a description of the mode given.
52. Depart Destination	Numeric	Code indicating destination when person departs from this site. 1-Home, 2-Other
53. Destination Address	Alphanumeric	Destination address or cross streets.
54. Destination City	Alphanumeric	Destination city.
55. Destination State	Alphanumeric	Destination state.
56. Destination Zip	Numeric	Destination zip code.

Workplace Survey, Air/Military Base Special Generator Intercept Information (Record Type SA) – Continued

57. Destination County	Numeric	Code indicating county of trip destination. 1-Bexar, 2-Comal, 3-Guadalupe, 4-Kendall, 5-Wilson, 6-Medina, 7-Atascosa, 96-Other, 98-Unknown, 99-Refused
58. Other Destination County	Alphanumeric	If county destination/location is coded as "other", this field contains the name of the county.
59. Destination Study Area	Alphanumeric	Code indicating study area of trip destination. Use "SAT" to indicate the San Antonio study area. If trip destination is outside the study area being surveyed but within Texas, this field should be coded "TX". If location is outside Texas, "XX" should be coded in this field.
60. Destination Zone	Numeric	Leave blank-to be completed by TxDOT or TTI.
61. Destination Longitude	Numeric	Longitude of destination location to 6 decimal places. If location is in Mexico, this should be coded 777.777777. If location is outside Texas, this should be coded 999.999999. If unknown but in study area the work place is located in, it should be coded 888.888888. If unknown but in Texas, it should be coded as 666.666666.
62. Destination Latitude	Numeric	Latitude of destination location to 6 decimal places. If address is in Mexico, this should be coded 777.777777. If address is outside Texas, this should be coded 999.999999. If unknown but in study area the work place is located in, it should be coded 888.888888. If unknown but in Texas, it should be coded as 666.666666.
63. Exit Facility	Alphanumeric	If destination is outside of the study area the work place is located in, this field should contain the name of the bridge, street, or highway used to leave the study area. Indicate the side of the study area that the exit occurred on with one or two letters (N, S, E, W, NE, SE, SW, NW) after the facility name (eg. I-20 NE).
64. Exit Study Area	Alphanumeric	If destination is outside of the study area, this field should contain a code indicating the study area where the bridge, street, or highway used to exit is located. Use "SAT" to indicate the San Antonio study area.
65. Exit External Zone	Numeric	Leave blank-to be completed by TxDOT or TTI.
66. Travel to Austin	Numeric	Code indicating frequency of travel to Austin. 1-Never, 2-1 to 2 times per year , 3-1 to 2 times every 6 months, 4-1 to 2 times every 3 months, 5-1 or more times every month, 6-1 or more times every week, 99-Refused
67. Travel to Dallas-Ft. Worth	Numeric	Code indicating frequency of travel to Dallas-Ft. Worth. 1-Never, 2-1 to 2 times per year , 3-1 to 2 times every 6 months, 4-1 to 2 times every 3 months, 5-1 or more times every month, 6-1 or more times every week, 99-Refused
68. Travel to Houston	Numeric	Code indicating frequency of travel to Houston. 1-Never, 2-1 to 2 times per year , 3-1 to 2 times every 6 months, 4-1 to 2 times every 3 months, 5-1 or more times every month, 6-1 or more times every week, 99-Refused
69. Passenger Rail to Dallas-Ft. Worth, Austin or Houston	Numeric	Code indicating whether respondent would use passenger rail service to Dallas-Ft. Worth, Austin or Houston. 1-Yes, 2-No, 3-Possibly

Workplace Survey, Air/Military Base Special Generator Intercept Information (Record Type SA) – Continued

70. Annual Household Income	Numeric	Code indicating combined annual income of all household members.
		1-Less than \$5,000
		2-\$5,000 to \$9,999
		3-\$10,000 to \$14,999
		4-\$15,000 to \$17,499
		5-\$17,500 to \$19,999
		6-\$20,000 to \$22,499
		7-\$22,500 to \$24,999
		8-\$25,000 to \$27,499
		9-\$27,500 to \$29,999
		10-\$30,000 to \$32,499
		11-\$32,500 to \$34,999
		12-\$35,000 to \$39,999
		13-\$40,000 to \$44,999
		14-\$45,000 to \$49,999
		15-\$50,000 to \$54,999
		16-\$55,000 to \$59,999
		17-\$60,000 to \$64,999
		18-\$65,000 to \$69,999
		19-\$70,000 to \$74,999
		20-\$75,000 to \$79,999
		21-\$80,000 to \$99,999
		22-\$100,000 to \$124,999
		23-\$125,000 to \$149,999
		24-\$150,000 to \$199,999
		25-\$200,000 or more
		98-Don't Know 99-Refused

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