

2024 FRESNO COG TRANSIT ONBOARD SURVEY – CLOVIS TRANSIT REPORT

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PREPARED FOR: FRESNO COUNCIL OF GOVERNMENTS (FCOG)

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1.0 EXECUTIVE SUMMARY

A comprehensive transit on-board survey was conducted in Fresno County, California, in the spring of 2024 on behalf of the Fresno Council of Governments (FCOG) and its partner transit agencies. The survey provided a detailed overview of rider travel patterns and collected important information regarding transit customers, including (a) socio-demographics, (b) fare payment, (c) travel purpose, (d) means of access and egress to/from the system, (e) time of travel, and (f) ultimate origins and destinations. While the on-board survey was conducted across all three of the region's service providers, this document's focus is on the results of the Clovis Transit survey effort.

The survey was conducted on-site by trained interviewers in March and April of 2024, primarily using tablet computers. The origin-destination (O-D) survey targeted 10% of average weekday boardings for Clovis transit. The sample target was proportional to actual ridership by route/line, time, and direction.

In total, 3,013 completed and valid survey records were collected across all service providers, exceeding the targeted sample plan by 10%. For Clovis Transit specifically, 69 valid surveys were obtained, exceeding the sample target by 23%. The data collected for Clovis Transit were weighted and expanded based on counts by route only. After completing data processing and weighting, the total number of records closely approximated actual weekday ridership. Table 1 shows information describing ridership statistics, sample targets and completed surveys. The table also shows the total number of weighted and expanded unlinked and linked trips in the final data set.

SERVICE	AVERAGE WEEKDAY RIDERSHIP*	SAMPLING GOAL	UNWEIGHTED SURVEYS	% OF TARGET	VALID SURVEYS	WEIGHTED/ UNLINKED TRIPS	WEIGHTED/ LINKED TRIPS
Clovis Transit	561	56	69	123%	69	561	470

TABLE 1: TRANSIT RIDERSHIP AND SURVEY STATISTICS

July 2022 -June 2023

Survey analysis was conducted using linked trip weights, representing the total number of trips within the system on an average weekday. These weights account for transfers made during a single trip.

The survey revealed that the largest age group using Clovis Transit is 65-74 years old, comprising 24.6% of all riders. Additionally, 45% of riders identified as Hispanic or Latino, and 7% reported earning less than \$15,000 per year. Roughly 43% of the sample is employed either full or part-time.

The survey results indicated that system users are highly dependent on transit for their trips, with 84% of Clovis Transit riders identifying themselves as non-choice riders (those without other transportation options). As shown in Figure 1, 58% of Clovis rider households own at least one vehicle, while 42% of households did not own any vehicles.

FIGURE 1: VEHICLE OWNERSHIP



Most respondents were making trips that either started or ended at home for non-work purposes. Only 15% of Clovis trips were conducted for work purposes. A small fraction of trips were non-home-based, meaning the trip started and ended at a location other than home. Figure 2 shows primary trip purpose by location.

FIGURE 2: TRIP PURPOSE BY LOCATION



Across all three agencies, most system users paid the regular fare in cash for their trip, while 23% received free boarding through a special group status. Only 7% of riders used a 30-day pass. In contrast, 100% of Clovis riders intercepted for the Fresno O-D Survey received free boarding.

FIGURE 3: FARE PAYMENT AND PASS USE

Most Clovis Transit riders do not make transfers (86%). Figure 4 shows transfers for Clovis Transit respondents only.



FIGURE 4: TRANSFERS

The on-board Clovis Transit survey successfully interviewed 69 riders across in early 2024. The full report contains additional information about the survey methodology, administration steps and data analysis.

2.0 INTRODUCTION

In the spring of 2024, RSG, in collaboration with the ETC Institute (ETC), conducted a comprehensive transit on-board survey of transit riders in Fresno County, California, on behalf of Fresno Council of Governments (FCOG) whose membership includes 16 member local governments, and three transit agencies with fixed routes that serve a combined 32,000 average weekday trips. The survey was designed to provide FCOG and its partner transit agencies with a detailed overview of rider travel patterns, along with essential information about transit customers, including (a) socio-demographics, (b) fare payment, (c) travel purpose, (d) means of access and egress to/from the system, (e) time of travel, and (f) ultimate origins and destinations. Although the on-board survey included all three service providers—Fresno Area Express (FAX), Clovis Transit, and Fresno County Rural Transit Agency (FCRTA)—this document specifically focuses on the results for Clovis Transit. Separate reports were created for the regional effort and the other service providers.

Accurate and reliable transit usage data are required as inputs to develop, calibrate, and validate the regional activity-based travel demand model. To support this, the Fresno on-board survey was designed and conducted in accordance with Federal Transit Administration (FTA) guidelines, ensuring the data can be used in federal grant applications and decision-making processes, and to ensure the overall accuracy and usefulness in the regional model. The on-board surveys also offer detailed insights into hard-to-measure transit markets, such as students, eventgoers, and downtown business circulation.

This report documents the methodology, administration, and results of the on-board survey effort and an analysis section for Clovis Transit.

The 2024 Fresno on-board survey was conducted as a tablet-based intercept study in March and April of 2024. The origin-destination (O-D) survey targeted 10% of average weekday boardings for Clovis Transit. These sample targets were proportionate to actual ridership by route/line, time period, and direction. In total the survey collected 69 valid responses on 2 Clovis Transit routes.

Additionally, the report includes appendices with the full survey questionnaire in English and a complete set of tabulations for all survey questions.

3.0 SAMPLING PLAN

The study team developed an origin-destination (OD) survey sampling plan for all weekday fixed routes, including FAX, Clovis Transit, and FCRTA. The sampling plan specified the number of surveys to be completed on each route, categorized by direction and time of day. The plan and all survey efforts were organized around the following periods:

- **AM Peak**: 5:00 a.m.-8:59 a.m.
- Midday: 9:00 a.m.-2:59 p.m.

- **PM Peak**: 3:00 p.m.-6:59 p.m.
- **Evening**: After 7:00 p.m. to 4:59 a.m.

The sampling plan aimed to collect approximately 3,000 completed OD surveys across all bus routes, with a route-level goal of 2,744 surveys. Additional surveys were collected to meet the overall system-wide weekday goal of 3,000 and an average sample rate of 9% of all boardings at the route level. In total, 3,013 completed bus records were collected, including 2,918 from FAX routes, 69 from Clovis Transit routes, and 26 from FCRTA routes. These sample targets are in line with FTA recommendations, which range from 5-15%. The nine percent figure will both limit the impact of high expansion factors while providing route level volumes significant enough for most route level analysis. For low volume routes, there may be a need to cluster survey results across routes for analysis purposes. Table 2 shows ridership statistics alongside the survey sampling targets that were set for intercept fielding. Note that there is no sample goal for the Firebaugh-Mendota route due to its low ridership.

	-		Ridership Data			Sampling Goals									
System	Route Number	Route Name	Direction	AM Peak	Midday	PM Peak	Evening	Total	Total Ridership	AM Peak	Midday	PM Peak	Evening	Total	Total Surveys
FAX	1	Q - BRT	NB	743	1643	1033	335	3754	7,387	45	99	62	20	225	628
			SB	791	1555	949	338	3633		47	93	57	20	218	
FAX	3	Herndon	WB	46	133	98	35	313	619	3	8	6	2	19	53
			EB	337	787	443	108	1676		20	47	27	7	101	
FAX	9	Shaw	WB	347	767	458	105	1677	3,352	21	46	27	6	101	285
EAY	12	Brawley/Inspiration Park	NB	45	93	48	17	203	472	3	6	3	1	12	40
144	12	brawley/inspiration Park	SB	46	108	80	35	269	712	3	6	5	2	16	
FAX	20	Hughes/Mckinley	NB	76	187	153	35	451	907	5	11	9	2	27	77
		.	SB	123	182	107	43	455		7	11	6	3	27	
FAX	22	West Ave/Tulare	NB	1/2	388	223	19	801	1,558	10	23	13	1	48	132
			SE SB	230	350	180	31	757		14	21	10	2	45	
FAX	26	Palm/Butler	NW	230	367	208	36	811	1,605	14	22	12	2	40	136
			NB	224	448	181	61	914		12	27	11	4	55	
FAX	28	Dss/Manchester/West Fresno	SB	211	485	268	88	1052	1,966	13	29	16	5	63	167
FAV	22	Evene St	NB	139	341	181	59	719	1 526	8	20	11	4	43	120
FAA	32	Fresho St	SB	174	363	215	55	807	1,520	10	22	13	3	48	130
FAX	33	Belmont	EB	73	124	73	6	275	516	4	7	4	0	17	44
		201110111	WB	43	115	76	7	241		3	7	5	0	14	
FAX	34	First Street	NB	333	599	248	62	1242	2,568	20	36	15	4	75	218
			SB	246	643	363	75	1326		15	39	22	4	80	
FAX	35	Olive	EB	127	263	205	44	584	1,310	8	10	9	3	35	111
			NR	623	875	205	72	2010		37	53	26	4	44	
FAX	38	Cedar	SB	446	904	547	111	2010	4,018	27	54	33	7	120	342
			EB	145	286	124	29	584	4 000	9	17	7	2	35	
FAX	39	FYI/Clinton	WB	80	212	127	19	438	1,023	5	13	8	1	26	87
EAY	41	Malaga/Shields/Chestnut	EB	177	405	239	44	864	1 764	11	24	14	3	52	150
144	71	Walaga/ Silielus/ Clestilut	WB	189	439	228	43	900	1,704	11	26	14	3	54	150
FAX	45	Ashlan	EB	94	169	112	24	399	752	6	10	7	1	24	64
			WB	74	154	103	23	353		4	9	6	1	21	
FAX	58	Ne Fresno	EB	10	12	18		40	63	1	1	1	0	2	5
-			ND	4	10	/		10		0	1	0	0	1	
FAX	58E	Childrens Hospital	SB	4	8	4		16	33	0	0	0	0	1	3
			NB	35	68	33	2	138		2	4	2	0	8	
CLOVIS	10	Fresno State University/Northwest Clovis	SB	29	71	40	3	143	281	2	4	2	0	9	28
CLOVIS	50	Northoast Clovis (Southwast Clovis	NB	39	42	37	2	120	280	2	3	2	0	7	28
CLOVIS	50	Northeast Clovisy Southwest Clovis	SB	31	64	64	1	160	200	2	4	4	0	10	20
FCRTA		Coalinga	SB					0	10	0	0	0	0	0	1
			NB					0		0	0	0	0	0	
FCRTA		Firebaugh-Mendota	NB					0	4	0	0	0	0	0	0
-			SD FB					0		0	0	0	0	0	
FCRTA		Huron	WB					0	13	0	0	0	0	0	1
			WB					0		0	0	0	0	0	
FCRTA		Kingsburg - Reedley	EB					0	18	0	0	0	0	0	2
FCRTA	Orange Cove		EB					0	34	0	0	0	0	0	3
		orange cove	WB					0		0	0	0	0	0	
FCRTA		Sanger Express	NB					0	11	0	0	0	0	0	1
			SB					0		0	0	0	0	0	
FCRTA		Southeast	NB 2R					0	30	0	0	0	0	0	3
			WR					0	_	0	0	0	0	0	
FCRTA		Westside	EB	<u> </u>				0	38	0	0	0	Ő	0	4
		Totals	•	7.123	14.477	8.314	2.088	32.002	32.160	427	869	499	125	1.920	2.744

TABLE 2: 2023 RIDERSHIP AND SURVEY SAMPLING GOALS

4.0 QUESTIONNAIRE DEVELOPMENT

The survey was designed to collect information in three key areas: origin-destination (OD) travel patterns, usage details, and rider demographics. After finalizing the questionnaire, ETC developed a tablet-based intercept survey as the primary method of data collection. The survey captured detailed information about passengers' one-way trips, along with personal and household demographics. It was structured following FTA best practices to ensure the data could support federal grant applications and decision-making processes and be compared directly to other on-board surrey efforts. Additionally, the survey gathered data on fare payment methods, including electronic fare media, smartphone ownership, and access to credit or debit cards. Appendix A contains the complete survey, and Appendix B provides tabulations for each question.

The survey was conducted through on-board interviews on transit vehicles. The tablet methodology utilized on-screen mapping features, allowing for real-time geocoding of addresses and locations using exact addresses, intersections, or place names. Data were recorded on the tablets by trained interviewers. Riders confirmed the geocoded locations on the screen map via an indicator icon. Interviewers used this mapping feature to collect precise coordinates for all survey locations, including home address, origin address, destination address, boarding, and alighting locations. This approach enabled interviewers to assist with any questions and ensure the accuracy of the data collected. Respondents could also select answers to certain demographic questions directly on the tablet for increased privacy, such as household income and gender.

For respondents who were unable to complete the interview during their transit trip, an option was provided to share their phone numbers or email addresses to receive an online version of the survey via text or email. For non-English speaking riders where the interviewer did not speak their language (e.g., Spanish), the tablet provided instructions in the relevant language, prompting the rider to provide their name and phone number for further communication. Additionally, Spanish, Hindi, Russian, Karen, Hmong, Vietnamese, and Chinese-language paper surveys was available for those who preferred to complete a self-administered version on the vehicle.

5.0 SURVEY ADMINISTRATION

5.1 STAFFING AND SURVEYOR TRAINING

Survey data were primarily collected using tablets by trained interviewers. ETC provided an onsite project manager and a field supervisor to oversee the data collection process. A local staffing firm, ANIK, was contracted to supply staff for conducting the interviews. A total of 10 contracted staff members worked in two daily shifts, morning and afternoon, to ensure data was collected throughout all operating hours.

All staff underwent comprehensive field training. The training covered the study's purpose and objectives, use of the survey instruments, scripts for responding to passenger questions, proper use of data collection tools, public interaction guidelines, and safety protocols. Staff were also instructed to understand that, while they were not employees of Clovis Transit, FAX, or FCRTA, they represented these agencies while on transit vehicles or property and were expected to conduct themselves professionally to maintain a positive image.

Maximizing participation and legitimizing the survey among passengers depended on the public response to the survey staff. To support a good public image, ETC imposed dress code standards that required survey staff to wear clean appropriate clothing to present a casual, yet neat, appearance that ensured professionalism and comfort. Survey staff were provided with survey badges and vests, identifying interviewers to transit operators and passengers to further legitimize their appearance. The badge and dress code standards promoted a professional appearance and reinforced survey legitimacy, which increased passengers' trust in the interviewers and the process.

The ETC field manager created the necessary training materials for conducting the OD training. The classroom training session included a PowerPoint presentation to explain the purpose and objectives of the survey, procedures and requirements, survey logistics, how to maximize response rates (including difficult-to-survey passengers), and the data collection process in a step-by-step format. Other goals of the training included building interview staff confidence, helping interview staff feel that they are an important part of the survey's success and helping them understand the importance of the survey and the long-term benefits to their community.

For the OD training, ETC ensured that the training addressed the following details:

- How to intercept/interact with non-English speakers and passengers with limited English proficiency.
- Cultural sensitivity.
- Importance of understanding the intent of the questions.
- Instructions on conveying the purpose of the survey to passengers.
- Importance of adhering to our random sampling protocol at the outset of every survey.
- Procedure for properly recording all refusals and completing a short observational assessment of the refusing passenger for internal purposes.

- Importance of data confidentiality and instruction on how to address passenger concerns regarding the same.
- Overview of the transit systems covering all topics covered in the tablet questionnaire with route-specific instruction as needed.
- How to manage passenger comments and complaints.
- Expectations of conduct.
- Safety training.

The following day after OD training, interviewers went out for live surveying at transit to apply and refine the survey outreach training. This in-the-field experience allowed ETC staff to gauge each interviewer's comprehension of the survey and instrument and provide feedback as needed.

5.2 SURVEY ADMINISTRATION

The survey was administered from March 19th through April 18th. Surveys were collected Monday through Thursday from the hours of 5:00 a.m. to 11:00 p.m. with no blackout dates/Holidays.

Administration Procedure

Tablet computers were the primary method used for data retrieval. This allowed the data to be accurately captured in real time and to permit geocoding.

To ensure random participant selection, the tablet generated a number to determine which passenger would be asked to participate after boarding the vehicle. For example, if four passengers boarded, the tablet randomly selected a number from one to four. If the number was two, the second person to board was asked to participate; if it was one, the first person was selected, and so on. Selection was limited to the first six passengers boarding at any stop, allowing the interviewer to manage the process effectively.

If no new boardings occurred or were expected, the interviewer would attempt to survey riders already on the vehicle. In this case, the random number generator segmented the vehicle into six sections, with the interviewer then using the generator again to randomly select a rider from the chosen section.

Respondents who did not have time to complete the survey during their bus trip, or who spoke a language different from the interviewer, were given the option of providing their phone numbers to conduct the survey at another time. Those who provided their phone numbers for callbacks were then contacted by ETC to complete the survey. Interviewers that spoke the foreign language of the passenger translated the English tablet version during the interview and recorded language the interview was conducted in. Additionally, interviewers carried paper surveys in Spanish, Hindi, Russian, Karen, Hmong, Vietnamese, and Chinese that could be distributed for self-administration.

Interviewers selected passengers in accordance with the sampling procedures previously described. The interviewer then:

- Approached the passenger identified and asked him/her/them to participate in the survey.
- If the passenger refused, the interviewers ended the survey, excused themselves and completed three observational questions (age, race, and gender).
- If the passenger agreed to participate, the interviewer asked the passenger if he/she/they had at least 5 minutes to complete the survey.
- If the person did not have at least 5 minutes on the bus, the interviewer asked the person to provide his/her name and mobile phone number or e-mail in order to send a link to a self-administered on-line version. This methodology ensured that people who completed short trips on public transit were well represented. The vast majority of records were able to be completed onboard with the interviewer using the tablet computer, with only three surveys completed over the phone, and 18 completed via paper copy.
- If the person had at least 5 minutes on the bus, the interviewer completed the survey on the vehicle.

Performance Monitoring

To ensure that quality data were collected, and interviewers were conducting the OD survey in accordance with the study team's standards, real-time monitoring and in-person monitoring were conducted, as described below.

- **Real-Time Monitoring of Surveyor Performance:** The tablet-based survey instrument allowed ETC's field supervisors to monitor the performance of individual interviewers in real time. This included interviewer completion statistics and the characteristics of the passengers who were interviewed, including their age, gender, race, and the average length of each interview. These reviews were conducted daily and allowed the research team to provide immediate feedback to interviewers. Separately, spot checks were conducted on the location and transfer information to verify the trips being captured were logical.
- **In-Person Monitoring**: As part of ongoing quality control checks interviewers were periodically monitored during the data collection. These checks were primarily conducted with interviewers who were struggling in some capacity.

6.0 DATA PROCESSING

6.1 DATA CLEANING

The following subsections describe the quality assurance and quality control (QA/QC) processes that were implemented after the data were collected.

Process For Identifying Complete Records

To classify a survey as being completed, the record must contain all elements of the one-way trip. ETC Institute has classified required trip data as containing complete answers to the following:

- Route/Direction
- Origin place type
- Time of trip
- Destination place type
- Transfers made
- Access mode
- Home address
- Egress mode
- Origin address
- Boarding location
- Destination address
- Alighting location

In addition to the required trip-data questions, an interview must be considered complete by the online survey program. This occurs if the interviewer navigates through all questions from the survey, including demographics.

Online Visual Review Tool

ETC Institute online visual review tool allowed for the review of all completed records. The tool displayed all elements of the one-way trip, as well as a series of distance ratio checks. After directions were finalized, each record went through speed/distance/time checks

Post Processing Reviews

ETC conducted processing data checks after data collection occurred. The first step in this process involved the application of a series of QA/QC tests. Some of the specific checks that were conducted during the preprocessing phase are listed below and included:

- Distance from the origin to the destination
- Distance from the boarding to the alighting location

- Distance from the origin to the boarding location relative to the mode of access and number of transfers
- Distance from alighting location to the destination relative to the mode of egress and number of transfers
- Ratio of the access distance to the boarding location relative to distance from the origin to the destination given the mode of access and number of transfers
- Ratio of the egress distance from the alighting location relative to distance from the origin to the destination given the mode of access and number of transfers
- Purpose of Trip relative to the person's employment and student status
- Ensuring that transfers used prior and subsequent to the route surveyed the bus route was possible
- Ensuring that transfers from a bus route was possible
- Ensuring the time-of-day the survey was completed was reasonable given the published operating schedule for the route surveyed

The final step of the QA/QC data review process involved a visual inspection of the trip records. The key tasks that were conducted as part of this visual inspection included the sensibility of results for the following areas:

- Trips with very short distances (less than 1 mile for local bus trips and less than 4 miles for express trips)
- Trips with zero transfers given location of boarding and alighting locations relative to the origin and destination
- Trips that reported three or more transfers
- Drive-access/egress trips given the distance traveled by car relative to the distance traveled by bus
- Drive-access/egress trips with more than one transfer
- Looking at the origin-to-destination to ensure that it was appropriate for the survey route that was used for the trip

If a record passed all the visual checks listed above, the record was classified as *useable* and tagged for inclusion in the final survey database. In total the database of complete surveys had 3,058 records; 45 were flagged for quality errors and removed yielding a final dataset of 3,013 completed and validated records.

6.2 DATA WEIGHTING/EXPANSION

The OD survey data were weighted and expanded using an iterative proportional fit (IPF) process with the unweighted OD survey counts used as the seed matrix.

• For FAX, stop-level APC data for the study period were provided, covering the period average daily weekday boardings for FY 2022-23. The survey data for FAX were

weighted and expanded to align with boarding and alighting counts by route, direction, time period, boarding location, and alighting location.

- For FCRTA, average route-level ridership counts were obtained from March 2024 weekdays. The survey data for FCRTA were weighted and expanded to match ridership counts by route.
- For Clovis Transit, average route-level ridership counts by direction were collected from weekdays between October 2023 and February 2024. The survey data for Clovis Transit were weighted and expanded to correspond with ridership counts by route and direction.

The study team weighted stop locations at the most disaggregate level possible, but aggregation of stops into "stop segments" was necessary to ensure sample sizes were adequate in each cell for the weighting process. Segments were assigned based on a combination of geography and the surveys that were collected from each route so that there were some boardings and alightings in each segment at each time period. Higher ridership routes were divided into multiple segments and lower ridership routes (under 1,700 daily riders) were divided into two segments.

The IPF technique assigns a weight to each joint board and alight combination by route, direction and time of day so that the sum of each dimension matches the targeted marginal totals of boardings and alightings. The process starts by using the on-to-off flow data as a "seed" boarding and alighting matrix. This matrix is then adjusted so that a) the total number of boardings is equal to the corresponding number of APC boardings. This adjustment is repeated, iteratively, until the matrix converges. This results in a board and alight matrix that has boarding and alighting totals that equal the APC data counts and boarding and alighting pair totals that are as close as possible to the data collected in the on-to-off survey. Since there is no on-to-off survey, the same process was used, but the unweighted OD survey counts themselves were used as the seed matrix.

The ridership targets, original sampling goals, unweighted survey counts and average weights for each service type are shown in Table 3. Overall, 2,998 usable OD surveys were collected (2,904, 69 and 25 of these were conducted in FAX, Clovis Transit and FCRTA routes, respectively). Note that 14 FAX rider surveys were excluded due to mismatched boarding and alighting stations, and one FCRTA survey was excluded for missing route information.

TABLE 3: SURVEY WEIGHTING RESULTS

ROUTE	AVERAGE WEEKDAY RIDERSHIP*	SAMPLING GOAL	SURVEYS (UNWEIGHTED)	% OF TARGET	SURVEYS EXPANDED	AVERAGE WEIGHT
FAX-01-Q - BRT	7,387	628	666	106%	7,387	11.1
FAX-03-Herndon	619	53	63	120%	619	10.4
FAX-09-Shaw	3,352	285	316	111%	3,352	10.6
FAX-12-Brawley/ Inspiration Park	472	40	51	127%	472	9.3
FAX-20-Hughes/Mckinley	907	77	81	105%	906	11.2
FAX-22-West Ave/Tulare	1,558	132	152	115%	1,558	10.3
FAX-26-Palm/Butler	1,605	136	143	105%	1,605	11.2
FAX-28-Dss/Manchester/West Fresno	1,966	167	178	107%	1,966	11.1
FAX-32-Fresno St	1,526	130	151	116%	1,526	10.1
FAX-33-Belmont	516	44	53	121%	516	10.5
FAX-34-First Street	2,568	218	234	107%	2,573	11.2
FAX-35-Olive	1,310	111	130	117%	1,336	10.3
FAX-38-Cedar	4,018	342	356	104%	4,018	11.3
FAX-39-Fyi/Clinton	1,023	87	92	106%	1,023	11.1
FAX-41- Malaga/Shields/Chestnut	1,764	150	153	102%	1,764	11.6
FAX-45-Ashlan	752	64	73	114%	752	10.3
FAX-58-Ne Fresno	63	5	7	130%	63	9.3
FAX-58E- Children's Hospital	33	3	5	178%	36	8
SUBTOTAL FAX	31,439	2,672	2,904	109%	31,474	
CLOVIS TRANSIT-10- Fresno State University / Northwest Clovis Transit	281	28	35	125%	281	8
CLOVIS TRANSIT-50- Northeast Clovis Transit / Southwest Clovis Transit	280	28	34	121%	280	8.2
SUBTOTAL Clovis Transit	561	56	69	123%	561	
FCRTA- Coalinga	10	1	6	600%	10	1.7
FCRTA- Huron	13	1	1	100%	13	13
FCRTA- Kingsburg - Reedley	18	2	2	100%	28	14
FCRTA- Orange Cove	34	3	4	133%	50	12.5
FCRTA- Sanger/Sanger Express	11	1	2	200%	19	9.5
FCRTA- Southeast	30	3	4	133%	34	8.5
FCRTA- Westside	38	4	6	150%	44	7.3
SUBTOTAL FCRTA	154	15	25	167%	198	
TOTAL	32,154	2,743	2,998	110%	32,231	

^{*}Note: Ridership data for FAX are weekday data (excluding holidays) from May 2024 and for Clovis Transit are from the period between October 2023 and February 4 Ridership data for FCRTA are weekday data (excluding holidays) from the period February 2024.

Linked Trip Weight

The weights calculated in the IPF process are unlinked weights, meaning that they represent all boardings on Fresno County transit vehicles over an average weekday. A linked trip weight was calculated from the unlinked weight for all routes in the system and represents the number of overall trips within the system on an average weekday. The linked weight accounts for transfers being made on a single trip. A respondent making no transfers to another route would receive a linked trip weight of 1.0 times their unlinked weight, while a respondent who transferred to one other sampled route would have a weight of 0.5 times their unlinked weight, and so on.

Analyses conducted using the linked trip weight represent individual passengers among the sampled routes and accounts for transfer activity between the routes. This weight should be applied when analyzing markets so that riders making transfers are not counted multiple times; unlinked weights should be applied when analyzing a single route.

6.3 GEOGRAPHY

Origin and destination addresses were joined to Traffic Analysis Zones (TAZs) in the Fresno Region. The TAZs have been further aggregated for simplicity of analysis. In this report, results are reported by TAZ communities, as defined by FCOG. The 56 TAZ communities within the study area are shown in Figure 5. The geographic analysis included in this report are based on these aggregations. A description of each district is provided in Table 4.



FIGURE 5: TAZ COMMUNITIES

COMMUNITY	LOCATION	COMMUNITY	LOCATION
1	Shaver Lake	29	Sanger
2	Sierra Nevada Mountain Ar	30	Edison
3	Auberry	31	Fresno
4	Friant	32	Squaw Valley
5	Woodward Park	33	Calwa
6	Northwest Urban Center	34	Tranquility
7	Northwest Urban	35	Del Rey
8	Northeast Urban Center	36	Easton
9	Sierra Foothills	37	Reedley
10	Shepherd-168	38	Fowler
11	Firebaugh	39	Orange Cove
12	Herndon-Shepherd	40	Eastside Valley
13	Clovis Transit	41	Raisin City
14	Bullard	42	Parlier
15	Fresno County	43	Bowles
16	Hoover	44	San Joaquin
17	Inner Clovis Transit	45	Selma
18	Firebaugh-Mendota	46	Westside Valley North
19	Loma Vista	47	Caruthers
20	Biola	48	Kingsburg
21	West	49	Cantua Creek
22	McLane	50	Riverdale
23	Fresno High	51	Lanare
24	Mendota	52	Laton
25	SEGA	53	Coast Range Foothills
26	Central Area	54	Huron
27	Kerman	55	Coalinga
28	Roosevelt	56	Westside Valley

TABLE 4: TAZ COMMUNITY DESCRIPTIONS

7.0 ANALYSIS – CLOVIS TRANSIT RIDERS

This section outlines the trip characteristics associated with Clovis services. A total of 69 usable surveys were conducted within the Clovis service area, accounting for 2.3% of the overall sample. The demographic results presented below are weighted with the linked trip weight, since this accurately represents the entire Fresno ridership population.

7.1 DEMOGRAPHICS

Clovis ridership consists of more women than men (64.0% vs. 35.6%). Most riders, 66.9%, were older than 44 years old (Figure 6).



FIGURE 6: AGE (CLOVIS ONLY)

A total of 82.1% of Clovis riders did not provide their income information. Among the 17.9% who did (n = 84 weighted), most reported incomes in the \$25,000-\$29,999 range (Figure 7). Most Clovis riders, 45.0%, identifies as Hispanic/Latino (Figure 8).



FIGURE 7: ANNUAL HOUSEHOLD INCOME (CLOVIS ONLY)





The survey found that 57.1% of respondents are not currently employed and not seeking work, while 14.6% reported being employed full-time (Figure 9). About 15.4% of respondents identified as a full- or part-time student at some level (Figure 10).

FIGURE 9: EMPLOYMENT STATUS (CLOVIS ONLY)



FIGURE 10: STUDENT STATUS (CLOVIS ONLY)



7.2 CHOICE RIDERSHIP

A rider who has the option to take a car for the same trip is referred to as "choice rider". Conversely, a rider without access to a vehicle is a "non-choice rider". A large majority of Clovis riders, 84.0%, are non-choice riders, while just 16% are choice riders. Choice riders are more likely to travel in the midday (Figure 11).



FIGURE 11: CHOICE RIDERSHIP BY TIME PERIOD OF BOARDING (CLOVIS ONLY)

Most of Clovis riders currently do not already possess any car (41.7%, see Figure 12). Among these riders, only 23.4% are more likely to indicate plans to purchase a car soon. Additionally, only 36.5% of Clovis riders possess a driver's license.



FIGURE 12: NUMBER OF VEHICLES IN HOUSEHOLD (CLOVIS ONLY)

7.3 TRIP PURPOSE

About 76% of the trips on the corridor were home-based non-work and non-school trips, with an additional 15.4% of home-based work trips. (Figure 13).



FIGURE 13: TRIP PURPOSE (CLOVIS ONLY)

7.4 ORIGIN AND DESTINATION TYPE

Origin and destination types had similar patterns. Nearly half of respondents are traveling from/to their home (about 44%) and about 25% of respondents are traveling from/to appointment, shopping or errands. (Figure 14).



FIGURE 14: ORIGIN AND DESTINATION TYPE (CLOVIS ONLY)

7.5 TRANSFERS

More than 85% of surveyed riders required no transfer and only 5.5% of riders required more than one transfer (Figure 15).



FIGURE 15: TRANSFERS (CLOVIS ONLY)

Non-choice riders are more likely than choice riders to have more than one transfer on their trip (Figure 16).



FIGURE 16: CHOICE RIDERSHIP BY TOTAL NUMBER OF TRANSFERS (CLOVIS ONLY)

Source: 2024 Fresno Transit On-Board Survey, Weighted

7.6 ACCESS AND EGRESS MODE

Most respondents access transit by walking to the stop or station, with 94.9% indicating this mode of access. Similarly, after alighting from the bus or train, 94.9%, continue to their destination on foot. (Figure 17).



FIGURE 17: ACCESS AND EGRESS MODE (CLOVIS ONLY)

7.7 ORIGIN-DESTINATION ANALYSIS

The two maps below illustrate trip production and attraction by TAZ community. Figure 18 and Figure 19 show that trip production and attraction, respectively, are observed at significant rates from zones throughout the Fresno area, with the highest rates observed in the population centers of Community 17 Inner Clovis.



FIGURE 18: TRIP PRODUCTION MAP BY COMMUNITY (CLOVIS ONLY)



FIGURE 19: TRIP ATTRACTION MAP BY COMMUNITY (CLOVIS ONLY)

The charts and table below detail trip productions and attractions by zone. The geographical unit is based on aggregated TAZ districts, which can be referenced in Figure 18 and Table 4. Figure 20 shows that Inner Clovis is the largest production and attraction zone in the Fresno service area. Table 5 shows the largest 7 production-attraction zone pairs. Of over 2,000 total zone pairs, the top ten pairs encompass about 86.0% of all trips. Travel within Inner Clovis accounts for nearly 36.4% of all trips.

FIGURE 20: TRIP PRODUCTION AND TRIP ATTRACTION BY COMMUNITY TAZ DISTRICT (CLOVIS ONLY)



RANK	PRODUCTION ZONE		ATTR	RACTION ZONE	% OF ALL TRIPS
	Number	Name	Number	Name	
1	17	Inner Clovis	17	Inner Clovis	36.4%
2	17	Inner Clovis	12	Herndon	17.2%
3	12	Herndon	10	Shepherd	15.7%
4	17	Inner Clovis	16	Hoover	6.4%
5	17	Inner Clovis	13	Clovis	4.4%
6	16	Hoover	17	Inner Clovis	3.3%
7	13	Clovis	17	Inner Clovis	2.6%

TABLE 5: LARGEST FRESNO PRODUCTION-ATTRACTION ZONE PAIRS (CLOVIS ONLY)

8.0 CONCLUSION

RSG, in collaboration with the ETC Institute (ETC), successfully conducted a comprehensive transit on-board survey of transit riders in Fresno County, California, on behalf of the Fresno Council of Governments (FCOG). While the entire survey effort collected about 2,998 valid and complete survey responses across all three service provides, 26 surveys were collected from Clovis Transit riders, or about 12% of average weekday boardings. The survey will allow FCOG and its partner agencies including Clovis Transit, to understand detailed rider travel patterns and other essential information about transit customers.

9.0 APPENDIX A: QUESTIONNAIRE

2024 Fresno County Transit On-Board Survey

Please take a few minutes to answer a few questions to help us plan for your transit needs.

All personal information will be kept strictly confidential and WILL NOT be shared or sold.

What is your HOME ADDRESS (please be specific, ex: 123 W. Main St): (If you are visiting the Fresno area, please list the hotel name or address where you are staying) if you are unhoused, select bubble O

Street Address	City Zip C	Code
. What type of place are you COMING FROM NOW? (the <u>starting place</u> for your one-way trip) O Work, work-related, volunteer-related O College / University (students only) O School K-12 (students only)	6. What type of place are you GOING TO NOW? (the <u>destination</u> for your one-way trip) O Work, work-related, volunteer-related O College / University (students only) O School K-12 (students only)	
O Dined out, got coffee or take-out O Medical Service / Hospital (non-work) O Appointment, shopping, or errands O Social, leisure, religious, entertainment activity O Exercise / Recreation / Sightseeing O Social Visit / Church O Airport (passengers only) O Hotel → Go to Question #4 O Your HOME → Go to Question #4 O Non-destination Trip → Skip Qs #6-11 O Other:	O Dined out, got confee of take-out O Medical Service / Hospital (non-work) O Appointment, shopping, or errands O Social, leisure, religious, entertainment activity O Exercise / Recreation / Sightseeing O Social Visit / Church O Airport (passengers only) O Hotel \rightarrow Go to Question #9 O Your HOME \rightarrow Go to Question #9 O Other:	
2. What is the <u>NAME</u> of the place you ar coming from now?	7. What is the <u>NAME</u> of the place you a going to now?	ire
What is the <u>EXACT ADDRESS</u> of this place? (OR Intersection:)	 8. What is the <u>EXACT ADDRESS</u> of the place? (OR Intersection:) 	is
Zip:	City: Zip:	
How did you GET FROM your origin place in Question #1) TO THE VERY	19. How will you GET TO your destination (listed in Question #6) after you exit the second	on the
FIRST vehicle you used for this one-ventrip? O Walk O Bicycle or E-Bike O Taxi, Uber, Lyft, etc. O Scooter, Moped, Skateboard, etc. O Was dropped off by someone (answer 4a) O Drove alone and parked (answer 4a) O Drove or rode with others and parked (answer 4a) O Other	IV LAST vehicle you will use for this on way trip? air O Walk O Mobility Device – e.g. Whee O Bicy cle or E-Bike O Taxi, Uber, Lyft, etc. O Scooter, Moped, Skateboard, etc. O Be picked up by someone (answer 9a) O Get in a parked vehicle and drive alone (answer 9a) O Get in a parked vehicle and drive/ride with someor (answer 9a) O Other	1e- ∦chair a) ne
4a. Where did you board the <u>first</u> vehice you used for this one-way trip (Nearest intersection / Park & Ride lot / Transit Center / St Name):	e 9a. Where will you get off the <u>last</u> vel you are using for this one-way trip (No intersection / Park & Ride lot / Transit Center / S Name):	hicle eares Statio
Where did you get <u>ON this vehicle</u> ? Plance of the nearest intersection / Transit Center / Sta Jame / Park & Ride lot:	se 10. Where will you EXIT this vehicle? Plea provide the nearest intersection / Transit Center / St Name / Park & Ride lot:	ase tation
		_
a. Did you transfer FROM another transit ro	te <u>BEFORE</u> getting on this route? O Yes O No	
. Please list the SYSTEMS & ROUTES in	re order you use them for this one-way trip.	
<u>START</u> → →	→ → → →	EN

OTHER INFORMATION ABOUT THIS TRIP

12. What time did you BOARD <u>this</u> vehicle? : am / pm (circle one)										
13. Will you (or did you) make this same trip in exactly the opposite direction today? O No O Yes - At what time did / will you leave for this trip in the opposite direction? am/pm (circle one)										
14. How did you pay your far FAX Options O Reg O Stuc O One 0 10 F O 31-E O Othe O Othe	re today? ular Cash Fare lent Fare Ride Card Regu Ride Card Regu ay Unlimited Re er	O Free – Student, Senior/Disabled, Military/Veterans O Free Other O One Ride Card Reduced O 10 Ride Card Reduced O 31-Day Unlimited Reduced								
FCRTA Options Inter-City	O Regular Cas O Regular Mor	sh Fare nthly Pass	O Reduced Ca O Reduced M	ash Fare (Elderly (60+), Disabled onthly Pass (Elderly (60+), Disab	, Child) led, Child					
Clovis Transit	O Free Ride									
18. Do you have a working sr	nartphone?	O Yes – with a	data plan	O Yes – limited or no data	O No					
19. Do you have a credit or d	ebit card?	O Yes	O No							

ABOUT YOU AND YOUR HOUSEHOLD

20. Are you a visitor to the Fresno area? O No O Yes
21. How many working vehicles (cars, trucks, or motorcycles) are available to your household?
21b. [If Q21 is NONE] Are you planning to buy a car as soon as you are able? O Yes O No
22. Including YOU, how many people live in your household? people
23. Including YOU, how many people (over age 15) in your household are employed full or part-time?# people
24. What is your employment status? (check the one response that BEST describes you) O Employed full-time O Not currently employed, but seeking work O Unpaid volunteer or Intern D Employed part-time O Not currently employed, and not seeking work O Self-employed 24a. Did you make a trip to work since you left home? O Yes O No 24b. Will you make a trip to work before you will arrive home? O Yes O No 24c. [If #24a or #24b is YES] Provide work name /address O Yes O No
25. What is your student status? (check the one response that BEST describes you) O Not a student O Yes - 9 - 12 th grade O Yes - Full Time college / university O Yes, other O Yes - Part Time college / university O Yes - Vocational/technical/trade school O Yes - Vocational/technical/trade school 25a. Did you make a trip to school before you will arrive home? O Yes O No 25b. Will you make a trip to school before you will arrive home? O Yes O No 25c. [If #25a or #25b is YES] Provide school name
26. Do you have a disability? O Yes O No
27. Do you have a valid driver's license? O Yes O No
28. What is your age? O Under 18 O 25-34 O 45-54 O 65-74 O 85+ O 18-24 O 35-44 O 55-64 O 75-84
30. What is your race / ethnicity? (check all that apply) O American Indian / Alaska Native O Black/African American O Hispanic/Latino O Native Hawaiian / Pacific Islander O White / Caucasian O Middle Eastern O Asian / Southeast Asian, specify national origin or Asian ethnic group: O Other:
State Construction Construction
32. Do you speak a language other than English at home? O No O Yes - Which language?
31a. [If #31 is Yes] How well do you speak English? O Very Well O Well O Less than well O Not at all
33. Which of the following BEST describes your GROSS ANNUAL HOUSEHOLD INCOME in 2023? O Less than \$15,000 0 \$35,000 - \$39,999 0 \$60,000 - \$79,999 O \$15,000 - \$19,999 O \$44,999 O \$80,000 - \$99,999 O \$20,000 - \$24,999 O \$45,000 - \$49,999 O \$100,000 - \$149,000 O \$25,000 - \$29,999 O \$50,000 - \$54,999 O \$150,000 - \$199,999 O \$25,000 - \$29,999 O \$55,000 - \$54,999 O \$150,000 - \$199,999

REGISTER TO WIN A \$100 GIFT CARD

People who submit an accurately completed survey will be entered in a random drawing for a \$100 gift card. You must provide your home address at the beginning of the survey and answer all questions to be eligible.
Your Name:

Phone Number: (_____) _____

Thank you for your help

10.0 APPENDIX B: CLOVIS TRANSIT TABULATIONS

The tables presented below are weighted with the linked trip weight. The weighted and expanded total can vary by a small amount due to rounding.

Service : Route survey was conducted on which service

service	Count	Percent	Weighted Count	Weighted Percent
Clovis	69	100.0%	470	100.0%
Total	69	100.0%	470	100.0%

ORIGIN_PLACE_TYPE : What type of place are you COMING FROM NOW? (the starting place for your one-way trip)

ORIGIN_PLACE_TYPE	Count	Percent	Weighted Count	Weighted Percent
Your HOME	30	43.5%	205	43.7%
Appointment, shopping, or errands	17	24.6%	112	23.9%
Work, work-related, volunteer-related	7	10.1%	46	9.8%
Social, leisure, religious, entertainment activity	6	8.7%	35	7.5%
Dined out, got coffee or take-out	4	5.8%	35	7.5%
Medical Service / Hospital (non-work)	3	4.3%	19	4.1%
College / University (students only)	1	1.4%	6	1.3%
School K-12 (students only)	1	1.4%	11	2.3%
Total	69	99.8%	469	100.1%

PREV_TRANSFERS : How many buses/trains did you travel on BEFORE you boarded

PREV_TRANSFERS	Count	Percent	Weighted Count	Weighted Percent
(0) None	62	89.9%	451	96.0%
(2) Two	4	5.8%	10	2.1%
(1) One	3	4.3%	9	1.9%
Total	69	100.0%	470	100.0%

TRIP_FIRST_ROUTE	Count	Percent	Weighted Count	Weighted Percent
(FAX) 01 Q-BRT	3	42.9%	8	42.1%
(FAX) 09 SHAW	1	14.3%	3	15.8%
(FAX) 35 OLIVE	1	14.3%	2	10.5%
(FAX) 38 CEDAR	1	14.3%	3	15.8%
(FAX) 45 ASHLAN	1	14.3%	3	15.8%
Total	7	100.1%	19	100.0%

TRIP_FIRST_ROUTE : First transfer respondent took from origin

TRIP_SECOND_ROUTE : Second transfer respondent took from origin

TRIP_SECOND_ROUTE	Count	Percent	Weighted Count	Weighted Percent
(FAX) 09 SHAW	3	75.0%	8	80.0%
(FAX) 38 CEDAR	1	25.0%	2	20.0%
Total	4	100.0%	10	100.0%

TRIP_THIRD_ROUTE : Third transfer respondent took from origin

TRIP_THIRD_ROUTE	Count	Percent	Weighted Count	Weighted Percent
Total	0	0.0%	0	0.0%

ORIGIN_TRANSPORT : How did you GET FROM your origin

ORIGIN_TRANSPORT	Count	Percent	Weighted Count	Weighted Percent
Walk	64	92.8%	446	94.9%
Bicycle or E-Bike	3	4.3%	16	3.4%
Mobility Device - e.g. Wheelchair	1	1.4%	2	0.4%
Taxi, Uber, Lyft, etc.	1	1.4%	6	1.3%
Total	69	99.9%	470	100.0%

DESTIN_PLACE_TYPE : What type of place are you GOING TO NOW? (the ending place for your one-way trip)

DESTIN_PLACE_TYPE	Count	Percent	Weighted Count	Weighted Percent
Your HOME	29	42.0%	204	43.5%
Appointment, shopping, or errands	17	24.6%	121	25.8%
Work, work-related, volunteer-related	10	14.5%	50	10.7%
Dined out, got coffee or take-out	5	7.2%	37	7.9%
Social, leisure, religious, entertainment activity	5	7.2%	28	6.0%
College / University (students only)	1	1.4%	11	2.3%
Exercise / Recreation / Sightseeing	1	1.4%	6	1.3%
Medical Service / Hospital (non-work)	1	1.4%	12	2.6%
Total	69	99.7%	469	100.1%

DESTIN_ADDRESS [CITY] : Respondent's destination city

DESTIN_ADDRESS.[CITY]	Count	Percent	Weighted Count	Weighted Percent
Clovis	55	79.7%	407	86.8%
Fresno	14	20.3%	62	13.2%
Total	69	100.0%	469	100.0%

NEXT_TRANSFERS : How many buses/trains will you ride AFTER you get off

NEXT_TRANSFERS	Count	Percent	Weighted Count	Weighted Percent
(0) None	54	78.3%	424	90.2%
(1) One	8	11.6%	30	6.4%
(2) Two	7	10.1%	16	3.4%
Total	69	100.0%	470	100.0%

TRIP_NEXT_ROUTE : First transfer respondent took to destination

TRIP_NEXT_ROUTE	Count	Percent	Weighted Count	Weighted Percent
(FAX) 09 SHAW	6	40.0%	14	31.1%

TRIP_NEXT_ROUTE	Count	Percent	Weighted Count	Weighted Percent
(Clovis) 50 Northeast Clovis / Southwest Clovis	4	26.7%	12	26.7%
(Clovis) 10 Fresno State University / Northwest Clovis	2	13.3%	11	24.4%
(FAX) 38 CEDAR	2	13.3%	5	11.1%
(FAX) 28 DSS/MANCHESTER/WEST FRESNO	1	6.7%	3	6.7%
Total	15	100.0%	45	100.0%

TRIP_AFTER_ROUTE : Second transfer respondent took to destination

TRIP_AFTER_ROUTE	Count	Percent	Weighted Count	Weighted Percent
(FAX) 32 FRESNO ST	2	28.6%	6	37.5%
(Clovis) 10 Fresno State University / Northwest Clovis	1	14.3%	2	12.5%
(FAX) 01 Q-BRT	1	14.3%	2	12.5%
(FAX) 22 WEST AVE/TULARE	1	14.3%	2	12.5%
(FAX) 34 FIRST STREET	1	14.3%	2	12.5%
(FAX) 35 OLIVE	1	14.3%	2	12.5%
Total	7	100.1%	16	100.0%

TRIP_3RD_ROUTE : Third transfer respondent took to destination

TRIP_3RD_ROUTE	Count	Percent	Weighted Count	Weighted Percent
Total	0	0.0%	0	0.0%

DESTIN_TRANSPORT : How will you GET TO your destination

DESTIN_TRANSPORT	Count	Percent	Weighted Count	Weighted Percent
Walk	64	92.8%	446	94.9%
Bicycle or E-Bike	3	4.3%	16	3.4%
Mobility Device - e.g. Wheelchair	1	1.4%	2	0.4%
Taxi, Uber, Lyft, etc.	1	1.4%	6	1.3%

DESTIN_TRANSPORT	Count	Percent	Weighted Count	Weighted Percent
Total	69	99.9%	470	100.0%

PREV_TRAN_1_BUS_ROUTE : Route for their first transfer from origin

PREV_TRAN_1_BUS_ROUTE	Count	Percent	Weighted Count	Weighted Percent
(FAX) 01 Q-BRT - NORTHBOUND	2	28.6%	6	31.6%
(FAX) 01 Q-BRT - SOUTHBOUND	1	14.3%	2	10.5%
(FAX) 09 SHAW - EASTBOUND	1	14.3%	3	15.8%
(FAX) 35 OLIVE - EASTBOUND	1	14.3%	2	10.5%
(FAX) 38 CEDAR - NORTHBOUND	1	14.3%	3	15.8%
(FAX) 45 ASHLAN - EASTBOUND	1	14.3%	3	15.8%
Total	7	100.1%	19	100.0%

PREV_TRAN_2_BUS_ROUTE : Route for their second transfer from origin

PREV_TRAN_2_BUS_ROUTE	Count	Percent	Weighted Count	Weighted Percent
(FAX) 09 SHAW - EASTBOUND	3	75.0%	8	80.0%
(FAX) 38 CEDAR - NORTHBOUND	1	25.0%	2	20.0%
Total	4	100.0%	10	100.0%

PREV_TRAN_3_BUS_ROUTE : Route for their third transfer from origin

PREV_TRAN_3_BUS_ROUTE	Count	Percent	Weighted Count	Weighted Percent
Total	0	0.0%	0	0.0%

PREV_TRAN_4_BUS_ROUTE : Route for their fourth transfer from origin

PREV_TRAN_4_BUS_ROUTE	Count	Percent	Weighted Count	Weighted Percent
Total	0	0.0%	0	0.0%

NEXT_TRAN_1_BUS_ROUTE : Route for their first transfer to destination

NEXT_TRAN_1_BUS_ROUTE	Count	Percent	Weighted Count	Weighted Percent
(FAX) 09 SHAW - WESTBOUND	6	40.0%	14	31.1%
(Clovis) 50 Northeast Clovis / Southwest Clovis - Southbound	3	20.0%	9	20.0%
(Clovis) 10 Fresno State University / Northwest Clovis - Northbound	2	13.3%	11	24.4%
(FAX) 38 CEDAR - SOUTHBOUND	2	13.3%	5	11.1%
(Clovis) 50 Northeast Clovis / Southwest Clovis - Northbound	1	6.7%	3	6.7%
(FAX) 28 DSS/MANCHESTER/WEST FRESNO - SOUTHBOUND	1	6.7%	3	6.7%
Total	15	100.0%	45	100.0%

NEXT_TRAN_2_BUS_ROUTE : Route for their second transfer to destination

NEXT_TRAN_2_BUS_ROUTE	Count	Percent	Weighted Count	Weighted Percent
(FAX) 32 FRESNO ST - SOUTHBOUND	2	28.6%	6	37.5%
(Clovis) 10 Fresno State University / Northwest Clovis - Southbound	1	14.3%	2	12.5%
(FAX) 01 Q-BRT - SOUTHBOUND	1	14.3%	2	12.5%
(FAX) 22 WEST AVE/TULARE - SOUTHBOUND	1	14.3%	2	12.5%
(FAX) 34 FIRST STREET - SOUTHBOUND	1	14.3%	2	12.5%
(FAX) 35 OLIVE - WESTBOUND	1	14.3%	2	12.5%
Total	7	100.1%	16	100.0%

NEXT_TRAN_3_BUS_ROUTE : Route for their third transfer to destination

NEXT_TRAN_3_BUS_ROUTE	Count	Percent	Weighted Count	Weighted Percent
Total	0	0.0%	0	0.0%

NEXT_TRAN_4_BUS_ROUTE : Route for their fourth transfer to destination

NEXT_TRAN_4_BUS_ROUTE	Count	Percent	Weighted Count	Weighted Percent
Total	0	0.0%	0	0.0%

TIME PERIOD : Time period respondent boarded this bus/rail

TIME_PERIOD	Count	Percent	Weighted Count	Weighted Percent
MID	41	59.4%	293	62.3%
РМ	15	21.7%	94	20.0%
AM	12	17.4%	80	17.0%
EVE	1	1.4%	3	0.6%
Total	69	99.9%	470	99.9%

TRIP_IN_OPPO_DIR : Will you (or did you) make this same trip in exactly the opposite direction today?

TRIP_IN_OPPO_DIR	Count	Percent	Weighted Count	Weighted Percent
Yes	39	56.5%	296	63.1%
No	30	43.5%	173	36.9%
Total	69	100.0%	469	100.0%

OPPO_DIR_TRIP_TIME : At what time did/will you leave for this trip in the opposite direction?

OPPO_DIR_TRIP_TIME	Count	Percent	Weighted Count	Weighted Percent
10:00 am - 11:00 am	5	12.8%	28	9.5%
12:00 pm - 1:00 pm	5	12.8%	52	17.6%
11:00 am - 12:00 pm	4	10.3%	24	8.1%
2:00 pm - 3:00 pm	4	10.3%	40	13.5%
7:00 am - 8:00 am	4	10.3%	27	9.1%
9:00 am - 10:00 am	4	10.3%	35	11.8%
3:00 pm - 4:00 pm	3	7.7%	8	2.7%
4:00 pm - 5:00 pm	3	7.7%	18	6.1%

OPPO_DIR_TRIP_TIME	Count	Percent	Weighted Count	Weighted Percent
8:00 am - 9:00 am	3	7.7%	29	9.8%
1:00 pm - 2:00 pm	2	5.1%	18	6.1%
5:00 am - 6:00 am	1	2.6%	11	3.7%
6:00 am - 7:00 am	1	2.6%	6	2.0%
Total	39	100.2%	296	100.0%

PAYMENT_METHOD : How did you pay your fare today?

PAYMENT_METHOD	Count	Percent	Weighted Count	Weighted Percent
Free Ride	69	100.0%	470	100.0%
Total	69	100.0%	470	100.0%

SMARTPHONE : Do you have a working smartphone?

SMARTPHONE	Count	Percent	Weighted Count	Weighted Percent
Yes - with a data plan	68	98.6%	464	98.7%
Yes - limited or no data	1	1.4%	6	1.3%
Total	69	100.0%	470	100.0%

CREDIT_DEBIT : Do you have a credit or debit card?

CREDIT_DEBIT	Count	Percent	Weighted Count	Weighted Percent
Yes	65	94.2%	446	94.9%
No	4	5.8%	24	5.1%
Total	69	100.0%	470	100.0%

VISITOR : Are you a visitor to the Fresno area?

VISITOR	Count	Percent	Weighted Count	Weighted Percent
No	68	98.6%	467	99.4%
Yes	1	1.4%	3	0.6%
Total	69	100.0%	470	100.0%

COUNT	_VH_	<u></u>	How	many	vehicles	; (cars,	trucks,	or	motorcycles)	are	available
to your	hous	sehol	d?	-		-					

COUNT_VH_HH	Count	Percent	Weighted Count	Weighted Percent
None (0)	35	50.7%	196	41.7%
One (1)	23	33.3%	176	37.4%
Two (2)	9	13.0%	75	16.0%
Three (3)	2	2.9%	23	4.9%
Total	69	99.9%	470	100.0%

USED_VEH_TRIP : Could you have used one of these vehicles for this trip?

USED_VEH_TRIP	Count	Percent	Weighted Count	Weighted Percent
No	27	79.4%	199	72.6%
Yes	7	20.6%	75	27.4%
Total	34	100.0%	274	100.0%

PLAN_TO_BUY : Are you planning to buy a car as soon as you are able?

PLAN_TO_BUY	Count	Percent	Weighted Count	Weighted Percent
No	23	65.7%	150	76.5%
Yes	12	34.3%	46	23.5%
Total	35	100.0%	196	100.0%

HH_SIZE : Including YOU, how many people live in your household?

HH_SIZE	Count	Percent	Weighted Count	Weighted Percent
Two (2)	19	27.5%	129	27.4%
One (1)	18	26.1%	113	24.0%
Three (3)	11	15.9%	64	13.6%
Five (5)	9	13.0%	75	16.0%
Four (4)	8	11.6%	48	10.2%
Seven (7)	2	2.9%	18	3.8%
Six (6)	2	2.9%	23	4.9%

HH_SIZE	Count	Percent	Weighted Count	Weighted Percent
Total	69	99.9%	470	99.9%

EMPLOYED_IN_HH : Including YOU, how many people (over age 15) in your household are employed full or part-time?

EMPLOYED_IN_HH	Count	Percent	Weighted Count	Weighted Percent
One (1)	22	31.9%	137	29.1%
None (0)	20	29.0%	136	28.9%
Two (2)	12	17.4%	97	20.6%
Three (3)	9	13.0%	51	10.9%
Refused/No Answer	4	5.8%	31	6.6%
Four (4)	2	2.9%	18	3.8%
Total	69	100.0%	470	99.9%

EMPLOYMENT_STATUS : What is your employment status? (Check the one response that BEST describes you)

EMPLOYMENT_STATUS	Count	Percent	Weighted Count	Weighted Percent
Not currently employed, and not seeking work	36	52.2%	268	57.1%
Employed full-time	14	20.3%	69	14.7%
Employed part-time	12	17.4%	89	19.0%
Not currently employed, but seeking work	5	7.2%	20	4.3%
Self-employed	1	1.4%	12	2.6%
Unpaid volunteer or intern	1	1.4%	11	2.3%
Total	69	99.9%	469	100.0%

DID_MAKE_TRIP_WORK : Did you make a trip to work since you left home?

DID_MAKE_TRIP_WORK	Count	Percent	Weighted Count	Weighted Percent
No	9	100.0%	62	100.0%
Total	9	100.0%	62	100.0%

WILL_MAKE_TRIP_WORK : Will you make a trip to work before you will arrive home?

WILL_MAKE_TRIP_WORK	Count	Percent	Weighted Count	Weighted Percent
No	9	100.0%	62	100.0%
Total	9	100.0%	62	100.0%

STUDENT_STATUS : What is your student status? (check the one response that BEST describes you)

STUDENT_STATUS	Count	Percent	Weighted Count	Weighted Percent
Not a student	59	85.5%	398	84.5%
Yes - Full-time College / University	3	4.3%	21	4.5%
Yes - 9th-12th grade	2	2.9%	15	3.2%
Yes - Part-time College / University	2	2.9%	23	4.9%
Yes - Vocational / Technical / Trade School	2	2.9%	12	2.5%
Yes - Other	1	1.4%	2	0.4%
Total	69	99.9%	471	100.0%

DID_GO_TO_SCHOOL : Did you make a trip to school since you left home?

DID_GO_TO_SCHOOL	Count	Percent	Weighted Count	Weighted Percent
No	7	100.0%	43	100.0%
Total	7	100.0%	43	100.0%

WILL_GO_TO_SCHOOL : Will you make a trip to school before you will arrive at home?

WILL_GO_TO_SCHOOL	Count	Percent	Weighted Count	Weighted Percent
No	6	85.7%	32	72.7%
Yes	1	14.3%	12	27.3%
Total	7	100.0%	44	100.0%

DISABILITY : Do you have a disability?

DISABILITY	Count	Percent	Weighted Count	Weighted Percent
No	57	82.6%	382	81.3%
Yes	12	17.4%	88	18.7%
Total	69	100.0%	470	100.0%

HAVE_DL : Do you have a valid driver's license?

HAVE_DL	Count	Percent	Weighted Count	Weighted Percent
No	41	59.4%	298	63.5%
Yes	28	40.6%	171	36.5%
Total	69	100.0%	469	100.0%

YOUR_AGE : What is your age?

YOUR_AGE	Count	Percent	Weighted Count	Weighted Percent
65-74	16	23.2%	116	24.7%
45-54	15	21.7%	96	20.4%
55-64	13	18.8%	102	21.7%
35-44	10	14.5%	77	16.4%
18-24	9	13.0%	53	11.3%
25-34	6	8.7%	26	5.5%
Total	69	99.9%	470	100.0%

RACE: What is your race / ethnic origin? (check all that apply)

Race	Count	Percent	Weighted Count	Weighted Percent
American Indian/Alaska Native	1	1.4%	11	2.4%
Black/African American	8	11.6%	41	8.7%
Asian/Southeast Asian	2	2.9%	23	4.9%
White/Caucasian	30	43.5%	194	41.2%
Native Hawaiian/Pacific Islander	0	0.0%	0	0.0%

Race	Count	Percent	Weighted Count	Weighted Percent
Hispanic/Latino	30	43.5%	211	45.0%
Middle Eastern	0	0.0%	0	0.0%
Prefer not to answer	0	0.0%	0	0.0%
Total	71	102.9%	480	102.2%

YOUR_GENDER: What is your gender? (check all that apply)

Gender	Count	Percent	Weighted Count	Weighted Percent
male	25	36.2%	167	35.6%
female	44	63.8%	300	64.0%
Transgender	0	0.0%	0	0.0%
Non-binary/third gender	0	0.0%	0	0.0%
Other/Prefer to self-describe	1	1.4%	6	1.3%
Total	70	101.4%	473	100.9%

HOME_LANG_OTHER : Do you speak a language other than English at home?

HOME_LANG_OTHER	Count	Percent	Weighted Count	Weighted Percent
No	40	58.0%	246	52.3%
Yes	29	42.0%	224	47.7%
Total	69	100.0%	470	100.0%

HOME_OTHER_LANG : Language respondent speaks at home other than English

HOME_OTHER_LANG	Count	Percent	Weighted Count	Weighted Percent
Spanish	23	79.3%	169	75.1%
Russian	2	6.9%	18	8.0%
American Sign Language (ASL)	1	3.4%	12	5.3%
Japanese	1	3.4%	3	1.3%
Korean	1	3.4%	11	4.9%
Tagalog	1	3.4%	12	5.3%

HOME_OTHER_LANG	Count	Percent	Weighted Count	Weighted Percent
Total	29	99.8%	225	99.9%

ENGLISH_ABILITY : How well do you speak English?

ENGLISH_ABILITY	Count	Percent	Weighted Count	Weighted Percent
Very well	28	96.6%	212	95.1%
Well	1	3.4%	11	4.9%
Total	29	100.0%	223	100.0%

INCOME : Which of the following BEST describes your TOTAL ANNUAL HOUSEHOLD INCOME in 2023?

INCOME	Count	Percent	Weighted Count	Weighted Percent
Refused/No Answer	53	76.8%	385	82.1%
\$25,000 - \$29,999	4	5.8%	17	3.6%
\$15,000 - \$19,999	2	2.9%	4	0.9%
\$40,000 - \$44,999	2	2.9%	9	1.9%
\$60,000 - \$79,999	2	2.9%	14	3.0%
\$100,000 - \$149,999	1	1.4%	12	2.6%
\$20,000 - \$24,999	1	1.4%	3	0.6%
\$30,000 - \$34,999	1	1.4%	2	0.4%
\$35,000 - \$39,999	1	1.4%	11	2.3%
\$50,000 - \$54,999	1	1.4%	6	1.3%
Less than \$15,000	1	1.4%	6	1.3%
Total	69	99.7%	469	100.0%

SURVEY_LANGUAGE : INTERVIEWER: In which language was this survey conducted?

SURVEY_LANGUAGE	Count	Percent	Weighted Count	Weighted Percent
ENGLISH	51	73.9%	330	70.2%
SPANISH	18	26.1%	140	29.8%

SURVEY_LANGUAGE	Count	Percent	Weighted Count	Weighted Percent
Total	69	100.0%	470	100.0%

SYSTEM_TRANSFERS : Total number of in-system transfers

SYSTEM_TRANSFERS	Count	Percent	Weighted Count	Weighted Percent
0	47	68.1%	405	86.2%
1	11	15.9%	39	8.3%
2	11	15.9%	26	5.5%
Total	69	99.9%	470	100.0%



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