

Associated Students Transportation Solutions Fall 2004 Commute Survey

1 Survey results

Transportation Solutions (TS) conducted its fourth annual online survey using **zoomerang.com** at the end of fall 2004 semester. This was TS's second online survey in which the level of participation increased by 77% (from 2,564 participants in fall 2003 to 4,257 participants in 2004). The survey provided significant results that prove this project's effectiveness in reducing reliance on single occupant vehicles and meeting the modal shift targets.

The survey instrument was the same as the one used in the Fall 2003 SJSU Commute Survey. The survey questionnaire was sent to the TS grant source, the Bay Area Air Quality Management District's Transportation Fund For Clean Air (TFCA Regional Funds) staff in October 2004 for approval prior to its launch.

The survey was carried out from October 22 through November 9, 2004. The survey questionair was placed on the web and an email with the survey's link was sent to 25,184 people (approximately 87% of the student population). As mentioned earlier, 4,257 people (about 17%) responded to the survey. Please refer to ATTACHMENT I for a sample email and the printout of the zoomerang.com survey reports.

1.1 Analysis

This survey produced remarkable consistencies in all response ratios in comparison with the last year's survey. Some of the significant findings from the survey according to the Attachment C of the TFCA Funding Agreement are as follows:

- a) Average frequency of travel to the campus: 3.6 days per week, from the results of Question 4
- b) One-way trip distance (home to campus): 16.9 miles (average), from the results of Question 9. The TS GIS technician also calculated this average to be 16.5 miles using the student address data. This was done by running the student population address data (29,000 records) through the GIS Network Analyst. It should be noted that the Network Analyst finds the shortest path between the student residence and SJSU.
- c) Number of days per week using transit/carpool/alternative commute mode: 3.7 days/week, from the result of q4xq5
- d) Mode of travel when not using transit: Questions 5 provides the percentages for all the commute modes. Based on this, of the 29,000 students:
 - 52.3% or 15,167 drive-alone,
 - 9.5% or 2,744 carpool,
 - 1.3% or 375 bike,
 - 9.0% or 2,615 walk
 - 2.1% or 608 use other modes

The total transit users (local and regional) make up 25.8% or 7,496 people.

- e) Mode of travel prior to use of SJSU-Associated Students services: The results of questions 17 and 18, mode of transportation before and after using TS services, show TS effectiveness with 8% decrease in drive-alone rate.
- f) Net reduction in vehicle trips to campus (based upon prior travel mode): 2,320
 Population 29,000 x 8% drop in drive-alone = 2,320 cars x 2 trips/day = 4,640 trips

Other important results include:

- 56% of the new students use alternative transportation to campus. (q2xq5).
- 26% of the people who always have access to a car and 73% of the people who sometimes have access to a car choose to take alternative transportation to campus (q3xq5).

The following table provides the detailed results and analysis of the findings for each survey question:

2. Is this your first semester at SJSU?		
A. Yes	1,430	33.7%
B. No	2,818	66.3%
Total	4,248	100.0%
3. Do you have a car available for getting to San Jose State University (SJSU)?		
A. Always	3,261	76.8%
B. Sometimes	497	11.7%
C. Never	490	11.5%
Total	4,248	100.0%
4. In a typical week, how many days do you come to SJSU?		
A. One day a week	291	6.9%
B. Two days a week	795	18.7%
C. Three days a week	645	15.2%
D. Four days a week	1,404	33.1%
E. Five days a week	929	21.9%
F. Six days a week	88	2.1%
G. Seven days a week	96	2.3%
Total	4,248	100.0%
Average frequency of travel to the campus	3.6 days/week	
Average frequency of alternative commute mode to campus (q4xq5)	3.7 days/week	

5. In a typical week, which transportation mode do you mostly use to come to SJSU? (Mark only one mode you use in the longest part of your trip to campus)		
A. ACE train	5	0.1%
B. Amtrak/Capitol Corridor/Thru Bus	11	0.3%
C. BART + Express Bus 180	20	0.5%
D. Express Bus 180 (VTA) only	29	0.7%
E. Bicycle	55	1.3%
F. Bus (VTA)	465	10.9%
G. Light Rail (VTA)	408	9.6%
H. Caltrain	99	2.3%
I. Carpool with other SJSU students or employees	251	5.9%
J. I get dropped off	151	3.6%
K. Drive alone	2,014	47.4%
L. Drive to Park & Ride Lot and take SJSU Shuttle	207	4.9%
M. SJSU Shuttle from Esplanade or Spartan Village	56	1.3%
N. Hwy 17 Express	61	1.4%
O. Motorcycle	26	0.6%
P. Outreach (VTA)	7	0.2%
Q. Skateboard/roller blade/scooter	7	0.2%
R. Walk, (live on/near campus)	376	8.9%
Total	4,248	100.0%
6. If you selected VTA Bus in Question 5, please pick the Bus route you mostly use. If not, go to the next Question.		
A. 22	133	24.1%
B. 23	57	10.3%
C. 63	17	3.1%
D. 64	25	4.5%
E. 65	23	4.2%
F. 66	28	5.1%
G. 68	10	1.8%
H. 72	44	8.0%
I. 73	25	4.5%
J. 81	64	11.6%
K. 82	19	3.4%
L. 85	14	2.5%
M. 180	72	13.0%
N. 300	12	2.2%

O. 304	3	0.5%
P. 305	0	0.0%
Q. DASH	6	1.1%
Total	552	100.0%
7. Your direct trip to SJSU normally starts from:		
A. Home/dorm/current residence/friend or relative's house	3,622	85.3%
B. Work	550	12.9%
C. Other location	76	1.8%
Total	4,248	100.0%
8. Where do you go after leaving the University?		
A. Home/dorm/current residence/friend or relative's house	3,584	84.4%
B. Work	509	12.0%
C. Other location	155	3.6%
Total	4,248	100.0%
9. How far is your one-way trip to SJSU?		
A. less than 0.5 mile	284	6.7%
B. 0.5 to 1 mile	127	3.0%
C. 1 to 2 miles	136	3.2%
D. 2 to 5 miles	374	8.8%
E. 5 to 10 miles	963	22.7%
F. 10 to 15 miles	756	17.8%
G. 15 to 20 miles	389	9.2%
H. 20 to 25 miles	246	5.8%
I. 25 to 30 miles	239	5.6%
J. 30 to 35 miles	181	4.3%
K. 35 to 40 miles	134	3.2%
L. 40 to 45 miles	106	2.5%
M. 45 to 50 miles	76	1.8%
N. 50 to 55 miles	76	1.8%
O. 55 to 60 miles	45	1.1%
P. 60 to 70 miles	44	1.0%
Q. 70 to 80 miles	32	0.8%
R. 80 to 90 miles	10	0.2%
S. over 90 miles	30	0.7%
Total	4,248	100.0%
Average one-way trip distance	16.9 miles	
10. How long is your one-way trip to campus?		
A. less than 5 minutes	249	5.9%

B. 5 to 10 minutes	361	8.5%
C. 10 to 15 minutes	599	14.1%
D. 15 to 20 minutes	743	17.5%
E. 20 to 30 minutes	793	18.7%
F. 30 to 40 minutes	445	10.5%
G. 40 to 50 minutes	415	9.8%
H. 50 to 60 minutes	232	5.5%
I. 1 hr. to 1 hr. 15 minutes	203	4.8%
J. 1 hr. 15 minutes to 1 hr. 30 minutes	105	2.5%
K. 1 hr. 30 minutes to 1 hr. 45 minutes	36	0.8%
L. 1. hr 45 minutes to 2 hrs.	28	0.7%
M. 2 hrs. to 2 hrs. 30 minutes	23	0.5%
N. 2 hrs. 30 minutes to 3 hrs.	6	0.1%
O. over 3 hrs.	10	0.2%
Total	4,248	100.0%
Average	29.6 minutes	
11. If you come to the university by carpooling, bus or train (in Question 5), how do you get to your bus stop, train station or carpool location?		
A. Walk/skateboard/roller blade/scooter	598	40.2%
B. Bicycle	53	3.6%
C. Bus/light rail/train/ferry	81	5.4%
D. Carpool	118	7.9%
E. I get dropped off	110	7.4%
E. Drive alone	527	35.4%
F. Motorcycle	2	0.1%
Total	1,489	100.0%
12. How far do you travel to this bus stop, train station or carpool pick-up location (miles)?		
A. 0 to 0.25 mile	532	34.8%
B. 0.25 to 0.5 mile	202	13.2%
C. 0.5 to 0.75 mile	108	7.1%
D. 0.75 to 1 mile	148	9.7%
E. 1 mile to 1.5 miles	113	7.4%
F. 1.5 miles to 2 miles	73	4.8%
G. 2 miles to 2.5 miles	52	3.4%
H. 2.5 miles to 3 miles	51	3.3%
I. 3 to 4 miles	42	2.7%
J. 4 to 5 miles	52	3.4%
K. 5 to 6 miles	25	1.6%
L. 6 to 8 miles	26	1.7%
M. 8 to 10 miles	33	2.2%
N. over 10 miles	72	4.7%
Total	1,529	100.0%

Average distance	1.7 miles	
13. Do you know about "Spare the Air Days"?		
A. Yes	2,691	63.3%
B. No	1,557	36.7%
Total	4,248	100.0%
14. If yes, do you use bus, rail, bicycle or carpool to campus because of an announced "Spare the Air Day"?		
A. Yes	691	23.2%
B. No	2,290	76.8%
Total	2,981	100.0%
15. How did you first learn about the Transportation Solutions (TS) or AS Eco Pass Sticker (VTA bus/light rail pass)?		
A. Website	227	5.3%
B. Campus fair or tabling event	116	2.7%
C. Email	552	13.0%
D. Friend/classmate/colleague	542	12.8%
E. I was mailed a letter + Brochure	1,691	39.8%
F. Poster/sign/brochure	87	2.0%
G. Spartan Daily	30	0.7%
H. Student Orientation	603	14.2%
I. I don't know of Eco Pass Sticker or TS	400	9.4%
Total	4,248	100.0%
16. Have you ever used Transportation Solutions (TS) services or the AS Eco Pass Sticker to commute to campus?		
A. Yes	1,810	42.6%
B. No	2,438	57.4%
Total	4,248	100.0%
17. If yes to Question 16, how did you get to the University before using TS services or AS Eco Pass?		
A. Bicycle	35	1.8%
B. Carpool with students/employees	77	3.9%
C. I got dropped off	221	11.3%
D. I drove alone (including to SJSU Park & Ride and motorcycle)	614	31.4%
E. I was taking VTA bus/light rail before attending SJSU	327	16.7%
F. Regional train/bus (including Caltrain, Hwy 17 Express, ACE, Amtrak)	63	3.2%
G. I lived on/near campus so I walked	180	9.2%
H. This was a new commute for me	440	22.5%
Total	1,957	100.0%

18. If yes to Question 16, how do/did you commute to the University after using TS services or AS Eco Pass?		
A. Bicycle	36	1.9%
B. Carpool	59	3.1%
C. I get dropped off	84	4.5%
D. Drive alone (including to SJSU Park & Ride and motorcycle)	435	23.1%
E. VTA bus/light rail	1,022	54.3%
F. Regional train/bus (including Caltrain, Hwy 17 Express, ACE, Amtrak)	93	4.9%
G. I live on/near campus so I walk	153	8.1%
Total	1,882	100.0%
19. How did you receive your AS Eco Pass Sticker this semester to validate your Tower Card (Student ID)?		
A. By mail before classes started	1,858	43.7%
B. By mail after classes started	705	16.6%
C. Picked up before classes started	103	2.4%
D. Picked up after classes started	595	14.0%
E. I never got my AS Eco Pass Sticker	911	21.4%
F. Other, Please Specify	76	1.8%
Total	4,248	100.0%
20. If you use bus or light rail, or carpool to campus, select THE FOUR MOST IMPORTANT reasons for doing so (Mark no more than 4).		
A. Have no other way	603	31.2%
B. Ability to use Tower Card + AS Eco Pass Sticker	969	50.1%
C. Because of "Spare the Air Announcements"	102	5.3%
D. Allows someone else to use the car	260	13.4%
E. Avoid traffic and parking hassles	1,389	71.8%
F. Avoid paying for parking	1,248	64.5%
G. Avoid paying for gas	1,013	52.4%
H. Good for the environment	570	29.5%
I. Saves time	314	16.2%
J. I can read or study	512	26.5%
K. Other, Please Specify	163	8.4%
Total	1,935	
21. What is your employment status?		
A. Employed full-time	820	19.3%
B. Employed part-time	1,923	45.3%
C. Not employed	1,505	35.4%

Total	4,248	100.0%
22. If employed, where do you work?		
A. On campus	285	10.3%
B. Within walking distance of campus (e.g. Downtown San Jose)	112	4.1%
C. Off campus (e.g. outside of Downtown San Jose)	2,360	85.6%
Total	2,757	100.0%
23. What is your class level:		
A. Freshman (Generally 1st year)	567	13.3%
B. Sophomore (Generally 2nd year)	338	8.0%
C. Junior (Generally 3rd year or newly transferred student)	1,097	25.8%
D. Senior (4 or more years)	972	22.9%
E. Second Baccalaurate	102	2.4%
F. Credential	178	4.2%
G. Master's or higher	944	22.2%
H. Open University/continuing education/extended studies/SAL	50	1.2%
I. Non student - employee	0	0.0%
Total	4,248	100.0%

2 ATTACHMENTS

2.1 Attachment I – Online survey reports

Attachment I

Online survey reports