

Appendix E. 2014 OD Pairs Results

Table E-1 shows the OD results between 1998 and 2014. **Table E-2** shows the corresponding origins, destinations and routes taken by each mode.

Table E-1: 2014 OD Pair Results

ID	Origin	Destination	Mode	Distance (mi)	1998	2000	2002	2004	2006	2008	2010	2012	2014			
					Av. Travel time (min)								# Runs	Av. Travel Time (min)	Range	Variation to previous
1 (PM)	Hayward	Newark	Auto	7.9	24	22	22	16	19	14	15	14	4	18	15-20	4
			Transit		88	92	79	90	86	74	57	76	2	62	50-73	-14
2 (PM)	Emeryville	Berkeley	Auto	4.8	25	26	25	28	22	22	24	---	4	22	19-25	-2
			Transit		61	---	56	53	45	70	59	---	2	61	59-63	2
			Bike		33	30	30	33	30	32	47	---	2	48	46-49	0
3 (PM)	Hayward	Livermore	Auto	20.6	53	45	49	61	61	54	51	38	4	53	42-67	15
			Transit		144	152	141	120	113	143	---	112	2	126	108-144	14
4 (PM)	Oakland	San Leandro	Auto	11.3	35	29	32	41	34	27	27	24	4	36	29-41	12
			Transit		74	64	56	70	66	78	67	76	2	51	51-52	-25
5 (PM)	Fremont	Pleasanton	Auto	15.7	31	34	33	27	39	26	37	---	4	39	33-42	2
			Transit		130	122	125	146	181	145	154	---	2	103	98-109	-51
6 (AM)	Fremont	San Jose	Auto	14.3	39	55	49	30	33	27	28	28	3	45	33-54	13
7 (AM)			Transit		129	104	118	94	111	82	73	93	2	56	52-60	-37
			HOV	14.3	---	35	34	27	25	23	23	25	4	38	27-46	10
8 (PM)	Oakland	Pleasanton	Auto	29.1	58	60	62	45	57	41	52	---	4	51	47-56	-1
			Transit		81	96	91	77	75	107	74	---	2	78	76-80	4
9 (PM)	Fremont	Alameda	Auto	22.6	50	57	53	64	52	43	48	40	4	53	48-60	13
			Transit		86	74	70	123	102	94	91	88	2	79	77-82	-9
10 (PM)	Alameda	Oakland	Auto	5.7	21	17	21	22	21	22	24	---	4	22	19-24	-2
			Transit		51	47	45	45	43	51	52	---	2	52	50-54	0

Table E-2: Descriptions of Origins, Destinations & Routes

#	Origin	Destination	Transit Route	Highway Travel	Bicycle Travel
1 (PM)	Hayward Kaiser Medical Ctr, 27400 Hesperian Blvd	Newark 2004-2014: Residence near Thornton Ave. & Ruschin Dr	2008-2014: Walk to Hesperian, AC 97 to AC Transbay SB Line/SB Newark at Union City Blvd/Whipple Rd to Newark Blvd/Mayhews Landing Rd, walk to door.	2004-2014: Walk to parking; Hesperian to Tennyson to I-880; exit Thornton to Ruschin; park & walk to door.	
2 (PM)	Emeryville Chiron Office Building, 4560 Horton St	Berkeley Residence near Marin Circle at Los Angeles Ave.	2014: Walk to 40th & Horton, AC Transbay F, AC 25 exit at Hopkins Street/the Alameda, walk to door.	1996-2014: Walk to parking; 53rd St, San Pablo Ave, Hopkins St, Marin Circle; park & walk to door.	2014: Bicycle to 59th St, Doyle St, Murray St, 9th St, Cedar St, Hopkins St, Sutter St, Del Norte St, Los Angeles Ave; dismount & walk to door.
3 (PM)	Hayward Cal State University at Carlos Bee Ave	Livermore Residence near Delaware Way & North Murrieta. (2004 onwards)	2004-2014: Walk to AC 92 (AC 60 since 2012), to Hayward BART, BART to Dub/Pleasanton Station, Wheels 12, 12X or 12 V to N. Murietta & Portola (DelNorte in 2008-2014); walk to door.	2014: Walk to parking; Carlos Bee, to Mission Blvd, to A St, Redwood Rd, I-580 EB, Livermore Ave, Portola Ave, Murrieta Blvd, Hurton Rd, Delaware Way; park & walk to door.	
4 (PM)	Oakland Downtown Oakland 1333 Broadway Building	San Leandro Residence near Farnsworth St & Chapel Ave.	2010-2014: Walk to BART 12th St Station; BART to Bayfair BART Station, AC 89 to Farnsworth/Manor Blvd; walk to door.	1996-2014: Walk to parking; local streets to I-880, Marina Blvd, Merced St, Wicks Blvd, Manor Blvd, Wiley St; park & walk to door.	
5 (PM)	Fremont Tesla Plant 45500 Fremont Blvd	Pleasanton 2004-2014: Residence near Hansen/Valley Ave	2010-2014: Walk to AC 212, 218 or 218 to Fremont BART, BART to Dublin/Pleasanton Station, walk to WHEELS 8 to Hansen & Valley; walk to door.	2014: Walk to parking; Fremont Blvd, Auto Mall Pkwy, I-680, Bernal Ave, Valley Ave, Hansen; park & walk to door.	
6 (AM)	Fremont Residence near Thornton Ave at Fremont Blvd	San Jose Cisco, 3801 Zanker Rd at Tasman	2014: Walk to ACE Fremont Station, walk to Tasman/Centennial, VTA 330; walk to door.	1998-2014: From residential driveway, Thornton Ave, CA-84, I-880, SR 237, Zanker; park & walk to door.	
7 (AM) HOV route	Fremont Residence near Thornton Ave at Fremont Blvd	San Jose Cisco, 3801 Zanker Rd at Tasman		1998-2014: From residential driveway, Thornton Ave, CA-84, I-880 HOV lanes, SR 237, Zanker; park & walk to door.	
8 (PM)	Oakland Federal Building, Jefferson St at 14th St	Pleasanton 2004-2014: Residence near Hansen/Valley Ave	2010: Walk to BART 12th St Station; BART to Richmond/Fremont, transfer at Bayfair for BART to Dublin/Pleasanton Station, Wheels 8, 8A, 54 to Valley near Hansen Dr; walk to door.	2010-2014: local streets to I-980 E, I-580 E, Hopyard Rd, Valley Ave, Hansen Dr; park & walk to door.	
9 (PM)	Fremont Washington Hospital at Mowry Ave	Alameda Bay Farm Island Residence near Sea Bridge at Robert Davey Jr	2012-2014: Walk to Fremont BART; BART to Fruitvale, AC 0 or 21 to Robert Davey Jr & Packet Landing Rd; walk to door.	2004-2014: Walk to parking; Mowry to I-880, 98th Ave, Doolittle Dr, Island Dr; park & walk to door.	

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#	Origin	Destination	Transit Route	Highway Travel	Bicycle Travel
10 (PM)	Alameda Naval Air Station, Atlantic at Main	Oakland Business near College Ave at Lawton	2014: Walk to Transit stop; AC 31 to 12th Street & Broadway, BART 12th St Station to Rockridge; walk to door.	2010-2014: Main St, Appezzato Pkwy, CA-260 N/CA-61 N/Webster St, Posey Tube, Broadway, Telegraph, College Ave; park & walk to door.	