

Appendix E | 2016 OD Pairs Results

Table E-1 shows the OD results between 1998 and 2016. Table E-2 shows the corresponding origins, destinations and routes taken by each mode.

Table E-1: 2016 OD Pair Results

ID	Origin	Destination	Mode	Distance (mi)	1998	2000	2002	2004	2006	2008	2010	2012	2014	2016			
					Av. Travel time (min)									# Runs	Av. Travel Time (min)	Range	Av. Travel Time: Change from 2014 (min)
1 PM	Hayward	Newark	Auto	7.9	24	22	22	16	19	14	15	14	18	4	24	16-29	6
			Transit		88	92	79	90	86	74	57	76	62	2	71	58-83	9
			Desktop											2	67	55-78	
2 PM	Emeryville	Berkeley	Auto	4.8	25	26	25	28	22	22	24	---	22	4	28	20-34	6
			Transit		61	---	56	53	45	70	59	---	61	2	103	87-118	41
			Bike		33	30	30	33	30	32	47	---	48	2	57	55-58	8
3 PM	Hayward	Livermore	Auto	20.6	53	45	49	61	61	54	51	38	53	4	80	65-94	27
			Transit		144	152	141	120	---	143	---	112	126	2	104	102-106	-22
4 PM	Oakland	San Leandro	Auto	11.3	35	29	32	41	34	27	27	24	36	4	24	15-30	-12
			Transit		74	64	56	70	66	78	67	76	51	2	63	50-75	12
			Desktop											2	51	49-52	
5 PM	Fremont	Pleasanton	Auto	15.7	31	34	33	27	39	26	37	---	39	4	44	37-52	5
			Transit		130	122	125	146	181	145	154	---	103	2	134	107-161	31
6 AM	Fremont	San Jose	Auto	14.3	39	55	49	30	33	27	28	28	45	4	54	47-64	9
7 AM			Transit		129	104	118	94	111	82	73	93	56	2	66	55-78	10
HOV			14.3	---	35	34	27	25	23	23	25	38	4	36	28-44	-2	
8 PM	Oakland	Pleasanton	Auto	29.1	58	60	62	45	57	41	52	---	51	4	59	55-66	8
			Transit		81	96	91	77	75	107	74	---	78	2	89	67-110	11
9 PM	Fremont	Alameda	Auto	22.6	50	57	53	64	52	43	48	40	53	4	60	52-66	6
			Transit		86	74	70	123	102	94	91	88	79	2	85	70-100	6
10 PM	Alameda	Oakland	Auto	5.7	21	17	21	22	21	22	24	---	22	4	35	23-52	13
			Transit		51	47	45	45	43	51	52	---	52	2	45	44-45	-8

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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 2004-2016: Residence near Thornton Ave. & Ruschin Dr.	2008-2016: 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.	2004-2016: 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.	2016: Walk to San Pablo and 54 th St. AC Transit 72 M to San Pablo and Gilman St. AC Transbay H to Sutter St. and Hopkins St. Walk to door.	1996-2016: Walk to parking; 53rd St., San Pablo Ave., Hopkins St., Marin Circle; park & walk to door.	2014-2016: 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)	2004-2016: Walk to AC 92 (AC 60 since 2012), to Hayward BART, BART to Dub/Pleasanton Station, Wheels 12, 12X or 12 V to N. Murieta & Portola (DelNorte in 2008-2014); walk to door.	2014-2016: 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 Bldg.	San Leandro Residence near Farnsworth St. & Chapel Ave.	2010-2016: Walk to BART 12th St. Station; BART to Bayfair BART Station, AC 89 to Farnsworth/Manor Blvd.; walk to door.	1996-2016: 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 2004-2016: Residence near Hansen/Valley Ave.	2010-2016: 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.	2014-2016: 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	2014-2016: Walk to ACE Fremont Station, ACE to Great America Station; walk to Tasman/Centennial, VTA 330 to Tasman and Zanker; walk to door.	1998-2016: 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		1998-2016: 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 2004-2016: Residence near Hansen/Valley Ave.	2010-2016: 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.	2010-2016: 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.	2012-2016: Walk to Fremont BART; BART to Fruitvale, AC 0 or 21 to Robert Davey Jr & Packet Landing Rd.; walk to door.	2004-2016: Walk to parking; Mowry to I-880, 98th Ave., Doolittle Dr., Island Dr.; park & walk to door.	
10 (PM)	Alameda Naval Air Station, Atlantic at Main	Oakland Business near College Avex at Lawton	2014-2016: Walk to Transit stop; AC 31 to 12th Street & Broadway, BART 12th St Station to Rockridge; walk to door.	2010-2016: Main St. Appezato Pkwy., CA-260 N/CA-61 N/Webster St., Posey Tube, Broadway, Telegraph, College Ave.; park & walk to door.	

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