

Appendix D | Corridor Analysis

This appendix compares the afternoon peak period travel time and speed data on selected freeway and arterials corridors.

Table D-1: Comparison of PM Peak Period Travel Time & Speed on Selected Freeway Routes (1991-2016)

CMP Route	Dir	From	To	Length (miles)	1991	1992	1994	1996	1998	2000	2002	2004	2006	2008	2010	2012	2014	2016	Note
I-80	EB	Tollgate	Central	6.35	15:56	18:24	17:19	18:23	18:50	14:18	19:45	12:03	17:05	18:52	13:51	17:53	15:48	19:33	
					23.5	20.4	21.7	20.8	20.2	26.6	19.3	31.6	23.1	20.9	28.5	22.1	23.0	18.6	
	WB	Central	Tollgate	6.11	14:27	15:26	15:41	14:53	13:07	20:52	16:33	13:10	12:38	9:38	12:51	11:52	14:01	13:08	
					25.3	23.7	23.3	24.6	28.0	17.6	22.2	27.8	27.7	36.2	27.2	25.9	25.7	27.4	
I-580	EB	SR 238/Foothill	I-205	30.33	32:55	33:40	33:37	33:04	n/a	49:25	59:43	53:22	45:46	47:41	51:57	39:36	44:13	-	[1]
					56.3	55.0	55.1	55.0	n/a	40.5	30.5	34.1	36.8	34.5	30.8	40.4	41.4	-	[1]
	WB	I-205	SR 238/Foothill	30.15	32:10	33:05	32:07	29:30	n/a	33:09	33:10	30:02	30:35	29:03	27:13	27:04	28:47	-	[1]
					57.2	55.6	55.1	55.0	n/a	55.0	54.5	60.2	58.6	61.4	65.6	64.7	63.1	-	[1]
I-580	EB	I-80/I-580 Split	I-238	15.88	18:18	18:35	21:53	18:13	16:16	15:21	17:45	22:15	0:26	19:27	22:55	22:07	23:08	26:59	
					52.6	51.8	44.0	53.2	60.0	62.7	54.7	42.8	39.3	47.0	41.8	40.6	39.9	34.2	
	WB	I-238	I-80	14.73	16:11	16:50	18:20	15:36	14:58	14:36	15:25	15:37	15:58	14:05	15:16	15:59	15:33	16:34	
					57.7	55.5	51.0	52.2	61.2	62.8	59.5	56.6	55.2	62.6	59.9	53.9	60.3	56.6	
I-680	NB	Scott Creek	Alcosta (on)	21.13	21:59	22:59	22:31	24:16	25:07	21:54	24:39	30:21	23:48	29:14	31:39	30:19	42:54	54:50	
					58.1	56.7	56.7	52.2	50.5	58.2	51.4	41.8	52.9	43.4	40.1	41.8	29.8	23.3	
	SB	Alcosta (on)	Scott Creek	21.3	21:45	22:05	23:23	21:04	19:06	20:13	20:44	19:27	21:51	20:10	19:24	19:30	19:10	19:19	
					59.0	58.1	54.9	60.6	66.8	63.2	61.6	65.7	58.5	63.4	65.9	65.6	66.8	66.3	
I-880	NB	Dixon Landing	I-980	31.41	16:49	17:15	18:37	2:26	1:21	17:26	2:20	14:23	17:50	19:10	20:20	20:19	47:41	4:46	
					44.8	44.4	42.9	45.5	38.8	47.5	37.5	49.1	44.6	43.2	42.1	42.1	39.6	29.2	
	SB	I-980	Dixon Landing	30.85	17:55	20:41	23:36	16:31	13:19	16:48	21:46	21:57	1:53	14:53	16:06	13:59	41:00	46:36	
					43.0	40.4	37.9	45.8	49.7	49.1	40.5	38.6	37.1	47.6	46.2	48.1	46.0	40.5	
SR 13	NB	Mountain	Hiller	5.43	6:12	6:40	6:51	6:45	6:06	6:24	6:27	9:25	8:42	6:10	7:38	8:58	11:27	11:01	
					53.6	49.9	48.5	48.1	53.2	50.9	50.4	34.6	38.8	51.0	41.3	35.1	30.4	31.6	
	SB	Hiller	Jct I-580	5.45	6:04	5:46	6:31	6:55	5:31	5:59	5:58	6:03	7:19	7:15	9:02	5:43	8:29	11:09	
					56.4	59.4	52.5	47.2	59.1	59.5	54.6	54.1	48.7	49.0	39.4	42.7	41.9	31.9	

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Table D-1: Comparison of PM Peak Period Travel Time & Speed on Selected Freeway Routes (1991-2016)

CMP Route	Dir	From	To	Length (miles)	1991	1992	1994	1996	1998	2000	2002	2004	2006	2008	2010	2012	2014	2016	Note
SR 24	EB	I-580 (on)	Fish Ranch	4.52	9:19	9:35	9:25	11:10	6:59	8:08	12:41	6:48	10:39	11:32	15:31	15:32	17:36	19:54	
					30.1	29.2	29.8	24.3	38.9	33.4	21.4	39.9	25.5	23.5	17.5	17.5	15.4	13.7	
	WB	Fish Ranch	I-580 (Off)	4.47	5:00	4:58	5:01	5:24	4:30	4:41	4:26	4:34	5:03	5:05	4:11	4:15	4:53	4:28	
					54.0	58.0	54.0	50.0	60.0	57.0	60.5	58.7	58.8	58.4	66.6	59.5	56.4	61.5	

Notes

[1] Express Lane Ramp Up Period

Table D-2: Comparison of PM Peak Period Travel Time & Speed on Selected Arterial Routes (1991-2016)

CMP Route	Dir	From	To	Length (miles)	1991	1992	1994	1996	1998	2000	2002	2004	2006	2008	2010	2012	2014	2016
Hesperian	NB	Tennyson	14th St.	5.5	19:35	19:19	18:40	16:06	17:18	18:10	22:00	22:10	0:55	1:09	22:04	23:33	22:53	25:56
					17.2	17.5	18.1	20.5	19.5	17.3	15.3	14.9	13.4	13.4	14.8	14.3	14.8	13.0
	SB	14th St.	Tennyson	5.6	17:20	16:05	17:38	16:10	16:13	16:41	17:24	17:33	18:13	20:29	21:44	20:19	19:24	19:49
					19.4	20.9	19.1	20.7	20.7	19.5	19.3	19.1	18.5	16.4	15.5	16.8	17.4	17.0
SR 13 Ashby	EB	I-80	Hiller	3.77	15:17	13:19	13:40	13:40	14:26	16:57	15:04	16:47	15:44	14:08	17:52	16:16	17:02	15:54
					14.7	16.9	16.5	16.5	15.6	13.4	15.0	13.5	14.4	16.0	16.0	13.9	13.5	14.4
	WB	Hiller	I-80	3.8	14:13	13:09	13:49	15:09	14:06	5:16	16:36	15:27	14:00	13:29	14:30	16:14	15:46	14:58
					16.0	17.2	16.4	15.0	16.1	15.9	13.8	14.7	16.3	16.9	15.7	14.0	14.6	15.4
SR 61	SB	Atlantic	Davis	7.57	18:40	18:07	18:30	19:36	19:01	17:41	19:47	20:59	18:46	17:25	19:25	20:05	22:42	20:37
					24.9	25.0	24.5	23.1	23.9	29.4	23.0	21.6	24.2	26.1	23.4	22.6	20.1	22.2
	NB	Davis	Atlantic	7.57	19:32	18:38	18:41	18:58	19:24	19:17	18:49	20:20	19:29	16:55	18:21	19:01	21:04	21:14
					24.3	25.5	25.5	24.1	23.4	25.6	24.1	22.3	23.3	26.9	24.7	23.9	21.7	21.5
SR 84 Fremont	WB	SR-238	I-880 SB	4.3	10:07	8:27	10:56	6:28	11:42	10:23	11:33	9:48	9:49	9:51	10:33	9:41	10:13	11:03
					25.0	30.5	23.5	24.1	22.0	24.9	22.3	26.3	26.3	26.2	23.1	25.1	23.9	22.0
	EB	I-880 SB	SR-238	4.3	11:21	10:24	11:45	11:38	12:56	14:31	11:58	10:43	11:29	11:15	12:17	11:57	11:17	12:17
					24.3	24.8	21.9	18.7	19.9	16.6	21.5	24.1	22.5	22.9	20.1	20.7	21.7	19.9
SR 84 Livermore (Old Alignment on Airway Blvd.)	WB	I-580 WB	Isabel/Vallecitos	*5.23 / -4.14	9:20	10:36	9:27	11:03	11:01	10:20	10:45	5:30	7:43	7:25	7:51	7:54	10:29	10:36
					32.4	28.5	32.0	27.4	27.5	10.2	23.1	38.5	40.7	38.2	39.9	39.7	29.9	29.6
	EB	Isabel/Vallecitos	I-580 WB	*5.23 -4.14	11:32	10:32	10:23	10:46	11:12	11:57	11:25	5:46	8:34	8:25	9:30	9:46	9:23	9:09
26.2					28.7	29.1	28.1	27.0	22.6	21.8	36.8	36.6	35.8	33.0	32.1	33.4	34.2	
SR 84 Livermore	WB	I-580 WB	Isabel/Vallecitos	*5.23 -4.14	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	9:04	10:09
					n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	31.0

Table D-2: Comparison of PM Peak Period Travel Time & Speed on Selected Arterial Routes (1991-2016)

CMP Route	Dir	From	To	Length (miles)	1991	1992	1994	1996	1998	2000	2002	2004	2006	2008	2010	2012	2014	2016
(New Alignment which continues on Isabel Ave.)	EB	Isabel/Vallecitos	I-580 WB	*5.23 -4.14	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	8:18	8:24
					n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
SR 123	SB	Carlson	35th St.	5.45	16:26	16:32	14:22	18:09	18:15	18:48	17:22	17:38	22:38	19:53	17:37	20:08	20:40	23:29
					19.0	19.7	22.7	18.0	17.9	17.4	18.8	18.5	14.5	16.5	18.6	16.2	15.1	13.3
	NB	35th St.	Carlson	5.46	16:56	15:32	18:12	17:42	2:00	18:36	22:39	19:56	22:53	23:36	17:59	20:53	22:11	24:31
					20.1	21.1	18.0	18.5	12.6	17.6	14.4	16.4	14.3	13.9	18.2	15.7	14.0	12.7
SR 185	SB	42nd ST	SR 92/238	10.46	18:55	4:47	n/a	6:31	5:12	8:11	6:56	6:00	5:31	10:22	10:41	12:00	40:07	37:50
					14.1	21.8	n/a	20.6	21.5	19.3	20.3	18.8	18.3	18.0	18.1	17.4	15.7	16.7
	NB	A Street	42nd St	10.31	14:34	4:54	n/a	4:40	7:02	5:34	5:36	10:36	10:50	7:08	8:27	11:22	36:37	35:36
					18.6	21.7	n/a	21.8	20.2	21.3	21.2	17.9	17.8	20.0	19.1	17.5	16.6	17.0
SR 238 Mission	NB	I-680 NB	Jackson	12.39	0:05	n/a	3:30	3:10	3:04	2:37	6:05	6:30	3:55	3:55	3:45	7:32	27:34	36:36
					30.7	n/a	26.9	27.3	27.4	29.2	24.6	24.4	26.6	26.6	26.8	23.6	27.5	20.8
	SB	Jackson	I-680 NB	12.36	0:28	n/a	4:15	2:45	3:20	0:26	2:13	4:27	2:45	8:04	3:09	5:05	43:19	31:32
					30.3	n/a	26.2	27.7	27.1	31.0	28.2	26.1	27.7	23.1	27.3	24.9	17.5	24.1
MLK/Shattuck Ave	NB	SR 24	University	2.78	7:02	6:43	6:07	12:01	11:41	11:16	11:54	11:47	11:50	12:05	10:02	10:44	10:52	16:32
					17.2	18.3	20.1	13.7	14.3	14.8	14.0	14.2	14.1	13.8	16.6	15.6	18.0	11.8
	SB	University	SR 24	2.76	10:07	9:12	9:59	6:14	10:45	12:01	12:45	10:50	9:55	11:11	9:53	10:53	14:09	15:30
					16.4	18.0	16.6	15.7	15.4	13.8	13.0	15.3	16.7	14.8	16.8	15.2	13.4	12.2
University Ave	EB	I-80 Off	Shattuck Pl	2.05	7:02	6:43	6:07	7:07	5:02	8:05	7:36	7:43	7:31	7:31	7:23	7:48	7:00	8:09
					17.5	18.3	20.1	17.2	16.7	15.2	16.2	15.9	16.4	16.4	16.7	15.8	17.7	15.2
	WB	Shattuck Pl	I-80 Off	2.05	6:38	6:30	7:07	6:28	9:51	7:45	7:01	8:23	7:24	7:00	7:08	8:39	10:07	8:31
					18.5	18.9	17.3	16.5	12.5	15.9	17.5	14.7	16.6	17.6	17.3	14.2	12.2	14.5
Decoto Rd/Dumbarton Bridge	WB	Hwy 238	County Line	8.97	11:46	12:43	13:56	16:30	13:58	14:54	17:25	16:12	15:51	15:21	14:21	14:44	15:14	14:52
					45.7	42.3	38.6	32.6	38.5	37.3	30.9	33.2	33.9	35.1	37.3	36.5	35.8	36.7
	EB	County Line	Hwy 238	8.36	12:41	14:01	14:40	17:49	17:06	15:50	14:35	17:01	16:32	19:23	16:30	6:14	20:59	21:28
					42.3	28.3	36.6	30.0	31.4	34.9	36.8	29.5	30.3	25.9	30.4	27.2	26.0	25.4
SR 84 Niles Canyon	EB	SR 238	Isabel	*13.27 -15.35	n/a	n/a	4:48	1:17	n/a	5:20	14:08	13:02	6:13	3:01	5:20	4:49	28:58	33:18
					n/a	n/a	36.4	34.3	n/a	31.4	24.2	24.4	26.4	29.4	27.8	28.3	27.6	24.0
	WB	Isabel	SR 238	*12:93 -15.01	n/a	n/a	8:52	13:55	n/a	19:56	22:41	0:42	21:55	16:28	17:49	17:28	17:42	17:20
					n/a	n/a	42.7	41.4	n/a	45.9	39.7	40.8	35.4	40.9	44.7	45.6	43.9	44.8