

2014 LOS Monitoring Study Results for Freeways - PM Peak Period (INRIX Data)

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	No of lanes	2012 Results			2014 results		
		From	To					# Runs	Speed	LOS	Sample	Speed	LOS
F1	I-80 - EB	SF County Line	Toll Plaza	Oak	2.01	1	10	7	49.9	C	3779	53.9	C
F2	I-80 - EB	Toll Plaza	I-580 SB Merge	Oak	1.3	1	10	7	25.4	(F30)	3779	24.7	(F30)
F3	I-80 - EB	I-80/I-580 (Merge)	Powell	Emery - Berk	0.54	1	10	7	13.05	(F20)	2833	12.1	(F20)
F4	I-80 - EB	Powell	Ashby	Emery - Berk	0.72	1	10	7	12.29	(F20)	2833	13.4	(F20)
F5	I-80 - EB	Ashby	University	Emery - Berk	1.3	1	10	7	25.72	(F30)	2833	23.5	(F30)
F6	I-80 - EB	University	Jct I-580 (off)	Berk - Alb	1.37	1	10	7	33.5	E	2948	34.7	E
F7	I-80 - EB**	Jct I-580 (off)	Central (County Line)	Berk - Alb	0.84	1	10	7	27.7	(F30)	2835	48.1	D
F8	I-80 - WB	Central (County Line)	Jct I-580	Berk - Alb	0.7	1	10	6	52.0	C	3185	54.7	C
F9	I-80 - WB	Jct I-580	University	Berk - Alb	1.51	1	10	6	28.7	(F30)	2948	26.7	(F30)
F10	I-80 - WB	University	Ashby	Emery - Berk	1.31	1	10	6	23.3	(F30)	2714	18.8	(F20)
F11	I-80 - WB	Ashby	Powell	Emery - Berk	0.71	1	10	6	15.5	(F20)	2635	15.4	(F20)
F12	I-80 - WB	Powell	I-80/I-580 (Split)	Emery - Berk	0.47	1	10	6	28.0	(F30)	2377	28.3	(F30)
F13	I-80 - WB	I-580 Split	Toll Plaza	Oak	1.31	1	10	6	39.4	E	3208	41.0	D
F14	I-80 - WB	Toll Plaza	SF County	Oak	2.01	1	10	6	40.9	E	3777	37.5	E
F15	I-238 - EB	I-880	I-580	Uninc-San L	2.59	2	6	6	38.7	E	2477	44.9	D
F16	I-238 - WB	I-580	I-880	Uninc-San L	2.48	2	6	7	52.1	C	2454	56.5	B
F17	I-580 - EB	I-580/I-238 changed	Grove	Unincorp	2.68	2	8	7	51.1	C	3182	49.9	C
F18	I-580 EB	Grove	Eden Canyon	Uninc - Pleas	2.19	4	8	7	54.3	C	3540	49.6	C
F19	I-580 EB	Eden Canyon	San Ramon/ Foothill	Uninc - Pleas	4.82	4	8	7	48.0	D	3067	50.4	C
F20	I-580 EB	San Ramon/ Foothill	I-680	Uninc - Pleas	0.71	4	8	7	33.2	E	3662	35.4	E
F21	I-580 EB	I-680	Hopyard	Plea	0.87	4	8	8	24.6	(F30)	3430	30.1	E
F22	I-580 EB	Hopyard	Santa Rita	Plea	1.9	4	8	8	26.2	(F30)	3073	31.3	E
F23	I-580 EB*	Santa Rita	El Charro	Uninc-Pleas	1.25	4	8	8	34.1	E	3900	38.7	E
F24	I-580 EB***	El Charro	SR 84/Airway Blvd.	Unincorp	1.72	4	8	8	56.1	B	3543	45.2	D
F25	I-580 EB*	SR 84/Airway Blvd.	Portola	Unincorp	1.73	4	8	9	61.0	A	3900	40.1	E
F26	I-580 - EB***	Portola	1st St	Liv	2.56	4	8	9	65.0	A	3424	41.4	D
F27	I-580 - EB***	1st St	Greenville	Liv-Uninc	2.13	4	8	9	29.3	(F30)	2829	22.2	(F30)
F28	I-580 - EB***	Greenville	N.Flynn	Uninc	2.73	4	8	9	25.4	(F30)	3779	36.8	E
F29	I-580 - EB*1	N.Flynn	Grant Line	Uninc	4.32	4	8	9	39.6	E	3426	59.0	B

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F30	I-580 - EB*	Grant Line	I-205 (SJ Co) Off	Uninc	0.87	4	8	9	37.8	E	3778	58.3	B
F31	I-580 - WB**	I-205 (SJ Co)	Grant Line	Liv - Uninc	0.72	4	8	6	37.1	E	3259	66.3	A
F32	I-580 - WB	Grant Line	N Flynn	Liv - Uninc	4.59	4	8	6	69.0	A	3307	65.7	A
F33	I-580 - WB	N Flynn	Greenville Rd	Liv - Uninc	2.43	4	8	6	68.0	A	3780	67.5	A
F34	I-580 - WB	Greenville Rd	1st St	Liv - Uninc	2.21	4	8	6	66.2	A	3779	67.2	A
F35	I-580 - WB*	1st St	Portola Ave	Liv	2.56	4	8	6	63.4	A	3895	66.5	A
F36	I-580 - WB*	Portola	SR 84/Airway Blvd	Liv - Plea	1.73	4	8	6	69.6	A	3779	65.3	A
F37	I-580 - WB*	SR 84/Airway Blvd	Fallon Rd/El Charro	Plea	1.73	4	8	6	68.4	A	3900	64.7	A
F38	I-580 - WB*	Fallon Rd/El Charro	Tassajara	Plea	1.23	4	8	6	61.3	A	3900	59.4	B
F39	I-580 - WB	Tassajara Rd	I-680	Plea	2.78	4	8	6	62.1	A	3305	49.7	C
F40	I-580 - WB	I-680	San Ramon Rd	Plea - Uninc	0.71	4	8	6	62.9	A	3543	58.9	B
F41	I-580 - WB	San Ramon Rd	Eden Caynon	Plea - Uninc	4.82	4	8	6	62.4	A	3305	62.8	A
F42	I-580 - WB	Eden Canyon	Center St	Plea - Uninc	2.5	4	8	6	67.8	A	3541	66.0	A
F43	I-580 - WB	Center	I-580/238	Unincorp	2.26	2	8	6	57.4	B	3660	64.9	A
F44	I-580 - EB	I-80	I-980	Oak	1.27	1	8	6	18.6	(F20)	3658	24.4	(F30)
F45	I-580 - EB	I-980	Harrison	Oak	1.02	1	8	6	30.1	E	3545	24.2	(F30)
F46	I-580 - EB	Harrison	Lakeshore	Oak	0.84	1	8	6	31.2	E	3664	25.7	(F30)
F47	I-580 - EB	Lakeshore	Coolidge	Oak	2.21	1	8	6	43.7	D	3541	33.0	E
F48	I-580 - EB	Coolidge	SH 13 Off	Oak	2.2	1	8	6	52.1	C	3414	36.1	E
F49	I-580 - EB	SH 13 Off	MacArthur	Foothill	4.08	1	8	6	42.4	D	3654	54.8	C
F50	I-580 - EB	MacArthur	I-580/238	SL - Hay	3.78	2	8	6	66.6	A	3538	67.0	A
F51	I-580 - WB	I-238	Foothill/MacArthur	Oak -SL	3.86	2	8	6	71.0	A	3729	68.4	A
F52	I-580 - WB	Foothill/MacArthur	SH 13 Off	Oak -SL	4.04	1	8	6	64.0	A	3644	65.8	A
F53	I-580 - WB	SH 13 Off	Fruitvale	Oak	2.63	1	8	6	60.8	A	3619	67.5	A
F54	I-580 - WB	Fruitvale	Harrison	Oak	2.68	1	8	6	55.0	C	3515	64.6	A
F55	I-580 - WB	Harrison	SH 24 On-ramp	Oak	1.24	1	8	6	53.0	C	3541	59.2	B
F56	I-580 - WB**	SH-24 On-ramp	I-80/580 Split	Oak	1.17	1	8	6	14.2	(F20)	3777	29.3	(F30)
F57	I-580 - EB	Central (County Line)	I-80 Jct	Alb	0.7	1	4	6	46.3	D	8	53.5	C
F58	I-580 - WB	I-80 Jct	Central (County Line)	Alb	0.86	1	4	6	66.6	A	8	52.5	C

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F59	I-680 - NB*	Scott Creek Rd	Rt 262/Mission	Fre	2.26	3	6	7	51.4	C	3664	36.6	E
F60	I-680 - NB*	Rt 262/Mission	Durham Rd	Fre	1.62	3	6	7	20.1	(F30)	3308	12.9	(F20)
F61	I-680 - NB***	Durham Rd	Washington Blvd	Fre	1.3	3	6	7	23.4	(F30)	3437	11.9	(F20)
F62	I-680 - NB***	Washington Blvd	Rt 238/Mission	Fre	1.14	3	6	7	38.7	E	3437	19.2	(F20)
F63	I-680 - NB***	SR 238/Mission	Vargas Rd	Unincorp	1.1	3	6	7	53.7	C	3781	24.0	(F30)
F64	I-680 NB*	Vargas Rd	Andrade Rd	Unincorp	2.21	3	6	7	28.9	(F30)	3545	19.8	(F20)
F65	I-680 NB*	Andrade Rd	Calaveras	Unincorp	1.15	3	6	7	39.3	E	3664	30.5	E
F66	I-680 NB*	Calaveras	Rt.84/Vallecitos	Unincorp	0.39	3	6	6	63.7	A	3783	51.9	C
F67	I-680 NB	SR 84	Sunol Blvd	Plea - Uninc	3.52	4	6	6	64.7	A	3895	66.6	A
F68	I-680 NB	Sunol Blvd.	Bernal Ave	Plea - Uninc	1.49	4	6	6	62.5	A	3898	65.0	A
F69	I-680 NB	Bernal Ave	Stoneridge Dr	Plea	2.53	4	6	6	60.8	A	3898	63.1	A
F70	I-680 NB	Stoneridge Dr	I-580	Plea	0.74	4	6	6	63.4	A	3900	61.9	A
F71	I-680 - NB	I-580	Alcosta	Dub	1.85	4	6	6	55.8	B	3900	64.7	A
F72	I-680 - SB	Alcosta	I-580	Dub	1.85	4	6	6	68.8	A	3787	67.5	A
F73	I-680 SB	I-580	Stoneridge Dr	Plea	0.73	4	6	6	62.2	A	3781	59.4	B
F74	I-680 SB	Stoneridge Dr	Bernal	Plea	2.54	4	6	6	65.4	A	3774	65.9	A
F75	I-680 SB	Bernal Ave.	Sunol Blvd	Unincorp	1.49	4	6	6	59.7	B	3767	66.9	A
F76	I-680 SB	Sunol Blvd.	SR 84	Unincorp	3.71	4	6	6	67.8	A	3769	67.4	A
F77	I-680 SB	SR 84 (Niles Canyon)	Andrade Rd	Unincorp	1.33	3	6	6	65.4	A	3779	67.3	A
F78	I-680 SB	Andrade Rd	Sheridon Rd	Unincorp	1.4	3	6	6	61.9	A	3895	62.2	A
F79	I-680 SB	Sheridon Rd	Vargas Rd	Unincorp	0.81	3	6	6	63.9	A	3895	65.7	A
F80	I-680 SB	Vargas Rd	SR 238/Mission	Unincorp	1.11	3	6	6	63.7	A	3778	69.9	A
F81	I-680 - SB	Rt 238/Mission	Washington Blvd	Fre	1.14	3	6	6	64.0	A	3783	69.3	A
F82	I-680 - SB	Washington Blvd	Durham Rd	Fre	1.35	3	6	6	67.6	A	3783	68.7	A
F83	I-680 - SB	Durham Rd	Rt 262/Mission	Fre	1.63	3	6	6	70.6	A	3664	67.0	A
F84	I-680 - SB	Rt 262/Mission	Scott Creek Rd	Fre	2.25	3	6	6	64.4	A	3545	68.3	A
F85	I-880 - NB	Dix Landing	SR 262/Mission	Fre	2.09	3	8	8	32.9	E	3307	25.8	(F30)
F86	I-880 - NB*	SR 262/Mission	AutoMall Pkwy	Fre	2.43	3	8	8	46.8	D	3307	36.1	E
F87	I-880 - NB	AutoMall Pkwy	Stevenson	Fre	1.53	3	8	8	50.2	C	3545	44.8	D

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F88	I-880 - NB	Stevenson	Decoto	Fre	4.06	3	8	8	56.3	B	3307	35.9	E
F89	I-880 - NB	Decoto	Alvarado Blvd	Fre - Un Cty	1.17	3	8	8	42.8	D	3309	28.8	(F30)
F90	I-880 - NB	Alvarado Blvd	Alvarado-Niles Blvd	Fre- Uni Cty	1.57	3	8	8	39.2	E	3428	31.6	E
F91	I-880 - NB	Alv-Niles	Tennyson	Un Cty - Hay	2.6	3	8	8	24.7	(F30)	2714	24.8	(F30)
F92	I-880 - NB	Tennyson	SR 92	Hay	1.02	2	8	7	19.2	(F20)	3421	34.7	E
F93	I-880 - NB	SR 92	A St	Hay	1.68	2	8	7	25.5	(F30)	3660	35.9	E
F94	I-880 - NB	A St	I-238 (Marina before	Unincorp	1.95	2	8	7	45.1	D	3779	52.2	C
F95	I-880 - NB	I-880/I238 (split)	Marina Blvd	Oak -SL	2.54	2	8	7	65.8	A	2250	62.6	A
F96	I-880 - NB	Marina Blvd	SR 112/Davis	Oak - SL	0.82	2	8	7	60.9	A	2250	59.0	B
F97	I-880 - NB	SR 112/Davis	Hegenberger	Oak - SL	1.83	2	8	7	60.5	A	2369	59.2	B
F98	I-880 - NB	Hegenberger	High/42nd	Oak	2.34	1	8	6	48.5	D	2369	58.7	B
F99	I-880 - NB	High/42nd	23rd (1st on)	Oak	1.25	1	8	6	58.0	B	2256	59.6	B
F100	I-880 - NB	23RD (1ST on)	Jct 980 (off)	Oak	2.63	1	8	6	61.8	A	2486	59.1	B
F101	I-880 - NB	Jct 980 (off)	I-880/I-80 split	Oak	2.43	1	8	6	63.6	A	3766	55.0	C
F102	I-880 - NB	I-880/I238 (split)	I-880/I-80 (merge)	Oak	1.44	1	8	6	15.2	(F20)	3765	14.3	(F20)
F103	I-880 - SB**	I-880/I-80 split	I-880/I-80 merge	Oak	1.28	1	8	7	65.0	A	3779	53.3	C
F104	I-880 - SB**	I-880/I-80 merge	Jct 980	Oak	2.51	1	8	7	72.3	A	3779	32.6	E
F105	I-880 - SB	I-980	23rd	Oak	2.74	1	8	7	39.5	E	2250	26.5	(F30)
F106	I-880 - SB	23rd St	High/42nd	Oak	1.1	1	8	7	37.3	E	2488	33.7	E
F107	I-880 - SB	High/42nd	Hegenberger	Oak	2.36	1	8	7	35.1	E	2250	34.7	E
F108	I-880 - SB*	Hegenberger	SR 112/Davis	Oak - SL	1.82	1	8	7	51.7	C	2488	43.3	D
F109	I-880 - SB*	SR 112/Davis	Marina Blvd	Oak - SL	0.82	1	8	7	56.4	B	2369	54.6	C
F110	I-880 - SB*	Marina Blvd	SR 238 WB (merge)	Oak - SL	2.55	1	8	7	63.7	A	2369	56.7	B
F111	I-880 - SB	I-238 (Marina before 06)	A St	SL-Uninc	1.91	2	8	7	53.9	C	3660	47.1	D
F112	I-880 - SB	A St	Rt 92	Hay	1.7	2	8	7	39.9	E	3660	45.7	D
F113	I-880 - SB	Rt 92	Tennyson	Hay	1.01	2	8	7	33.6	E	3422	42.1	D
F114	I-880 - SB	Tennyson	Alv-Niles	Hay - UC	2.6	2	8	7	41.9	D	3305	45.2	D
F115	I-880 - SB	Alvarado-Niles	Alvarado	UC - Fre	1.56	3	8	7	54.0	C	3547	52.8	C
F116	I-880 - SB	Alvarado	Decoto	UC - Fre	1.19	3	8	7	42.2	D	3309	47.8	D

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F117	I-880 - SB	Decoto	Stevenson	Fre	4.06	3	8	7	54.4	C	3426	55.9	B
F118	I-880 - SB	Stevenson	AutoMall Pkwy	Fre	1.52	2	8	7	64.5	A	3783	65.3	A
F119	I-880 - SB*	AutoMall Pkwy	Rt 262/Mission	Fre	2.83	2	8	6	62.5	A	3783	66.7	A
F120	I-880 - SB	SR 262/Mission	Dix Landing(off)	Fre	1.69	3	8	6	68.1	A	3783	66.2	A
F121	I-980 - WB	SR 24 @ 580	I-880	Oak	2.49	1	8	7	65.2	A	2349	57.2	B
F122	I-980 - EB	I-880	SR 24 @ 580	Oak	2.44	1	8	7	39.4	E	2486	38.6	E
F123	SR 13 - NB	Mountain On	Carson/Redwood (1)	Oak	1.27	1	4	6	83.1	A	3397	63.0	A
F124	SR 13 - NB	Carson/Redwood (1)	Joaquin Miller	Oak	1.08	1	4	6	43.3	D	3505	59.2	B
F125	SR 13 - NB	Joa Miller/Linc	Moraga Ave	Oak	1.83	1	4	6	56.0	B	3498	31.7	E
F126	SR 13 - NB	Moraga Ave	Hiller (Sig)	Oak	1.63	1	4	6	18.9	(F20)	1899	17.2	(F20)
F127	SR 13 - SB	Hiller Sig	Moraga Ave	Oak	1.6	1	4	7	54.1	C	1390	52.9	C
F128	SR 13 - SB	Moraga Ave	Joa Miller/Linc	Oak	1.85	1	4	7	69.6	A	2824	60.6	A
F129	SR 13 - SB	Joaq Miller/Lincoln	Redwood	Oak	1.07	1	4	7	61.1	A	3334	62.9	A
F130	SR 13 - SB	Redwood	Jct I-580 (EB Merge)	Oak	1.4	1	4	7	15.6	(F20)	3148	22.1	(F30)
F131	SR 24 - EB	Jct I-580 (on)	Broadway/SR 13	Oak	1.84	1	8	7	16.0	(F20)	3779	14.1	(F20)
F132	SR 24 - EB	Broadway/SR 13	Caldecott (enter)	Oak	1.65	1	8	7	14.1	(F20)	3660	12.9	(F20)
F133	SR 24 - EB	Caldecott (enter)	Fish Ranch Road	Oak	1.04	1	8	7	35.9	E	3657	30.0	(F30)
F134	SR 24 - WB	Fish Ranch Road (C	Caldecott (exit)	Oak	0.99	1	8	7	51	C	1397	47.1	D
F135	SR 24 - WB	Caldecott (exit)	Broadway	Oak	1.73	1	8	7	68.8	A	3318	58.2	B
F136	SR 24 - WB	Broadway	Jct I-580 (on)	Oak	1.86	1	8	7	57.8	B	3741	61.0	A
F137	SR 84 - EB	San M CL	Toll Plaza	Fremont	3.29	3	6	6	51.9	C	3783	58.1	B
F138	SR 84 - EB	Toll Plaza	Thornton	Fremont	0.54	3	6	6	57.2	B	3664	55.5	B
F139	SR 84 - EB	Thornton Ave/Pascor	Newark Blvd/Ardenw	Newark	1.16	3	6	6	45.9	D	3544	40.7	E
F140	SR 84 - EB	Newark Blvd/Ardenw	I-880 NB (off)	Newark	1.2	3	6	6	16.4	(F20)	3660	16.1	(F20)
F141	SR 84 - WB	I-880 NB (off)	Ardenwood/Newark	Newark	1.21	3	6	6	47.2	D	3364	43.6	D
F142	SR 84 - WB	Ardenwood/Newark	Paseo Padre Pkwy		1.15	3	6	6	63.4	A	2818	62.7	A
F143	SR 84 - WB	Paseo Padre Pkwy	Toll Gate		0.54	3	6	6	44.0	D	3696	46.6	D
F144	SR 84 - WB	Toll Plaza	San M CL	Fremont	3.29	2	6	6	64.1	A	2745	61.4	A
F145	SR 92 - EB	San M CL	Toll Plaza	Uninc - Hay	2.78	2	6	7	47.4	D	3543	41.5	D

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F146	SR 92 - EB***	Toll Plaza	Clawiter	Uninc - Hay	1.87	2	6	7	49.7	C	3539	39.0	E
F147	SR 92 - EB	Clawiter	I-880	Hay	2.07	2	6	7	54.4	C	3050	20.5	(F30)
F148	SR 92 - WB	I-880	Clawiter	Hay	2.05	2	6	6	59.7	B	3512	62.0	A
F149	SR 92 - WB*	Clawiter	Toll Plaza	Uninc - Hay	1.88	2	6	6	42.2	D	3753	57.6	B
F150	SR 92 - WB	Toll Plaza	San M CL	Uninc - Hay	2.79	2	6	6	61.7	A	3746	65.8	A
F151	SR 92 - WB	San M CL	Foster City Boulevard	SM	4.97	2	3	New Segment			3758	66.0	A
F152	SR 92 - EB*	Foster City Boulevard	San M CL	SM	4.97	2	3	New Segment			3662	38.9	E
F153	SR 84 - WB	San M CL	Ravenswood Slough	SM	1.31	3	3	New Segment			2639	61.7	A
F154	SR 84 - EB	Ravenswood Slough	San M CL	SM	1.31	3	3	New Segment			3775	52.3	C
F155	I-80 - WB	SF County Line	Fremont St Off Ramp	SF	3.32	1	5	New Segment			3777	27.7	(F30)
F156	I-80 - EB	Bryant St On Ramp	SF County Line	SF	3.29	1	5	New Segment			3775	36.0	E

Comments

* Data impacted by long term construction and recurrent lane closures.

**CMP segment length changed based on the shapefiles used to the extent that the speed trends are not comparable.

***data impacted by construction as well as segment length changed based on shapefiles used to the extent trends are not comparable

2014 LOS Monitoring Study Results for Freeways - AM Peak Period (INRIX data)

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	No of lanes	2012 Results			2014 results		
		From	To					# Runs	Speed	LOS	Sample	Speed	LOS
F1	I-80 - EB	SF County Line	Toll Plaza	Oak	2.01	1	10	7	57.2	B	3302	58.6	B
F2	I-80 - EB	Toll Plaza	I-580 SB Merge	Oak	1.3	1	10	7	55.8	B	3728	60.6	A
F3	I-80 - EB	I-80/I-580 (Merge)	Powell	Emery - Berk	0.54	1	10	7	72.9	A	3191	53.3	C
F4	I-80 - EB	Powell	Ashby	Emery - Berk	0.72	1	10	7	51.2	C	3074	60.7	A
F5	I-80 - EB	Ashby	University	Emery - Berk	1.3	1	10	7	64.4	A	3072	61.5	A
F6	I-80 - EB	University	Jct I-580 (off)	Berk - Alb	1.37	1	10	7	62.4	A	3194	62.6	A
F7	I-80 - EB**	Jct I-580 (off)	Central (County Line)	Berk - Alb	0.84	1	10	7	59.4	B	3194	64.3	A
F8	I-80 - WB	Central (County Line)	Jct I-580	Berk - Alb	0.7	1	10	7	22.7	(F30)	3075	16.3	(F20)
F9	I-80 - WB	Jct I-580	University	Berk - Alb	1.51	1	10	7	24.9	(F30)	2841	19.5	(F20)
F10	I-80 - WB	University	Ashby	Emery - Berk	1.31	1	10	7	47.7	D	2957	32.6	E
F11	I-80 - WB	Ashby	Powell	Emery - Berk	0.71	1	10	7	49.3	C	2698	32.2	E
F12	I-80 - WB	Powell	I-80/I-580 (Split)	Emery - Berk	0.47	1	10	7	47.3	D	2688	33.1	E
F13	I-80 - WB	I-580 Split	Toll Plaza	Oak	1.31	1	10	7	6.0	(F10)	3279	7.7	(F10)
F14	I-80 - WB	Toll Plaza	SF County	Oak	2.01	1	10	7	17.8	(F20)	3421	27.0	(F30)
F15	I-238 - EB	I-880	I-580	Uninc-San L	2.59	2	6	10	60.3	A	3766	55.2	B
F16	I-238 - WB	I-580	I-880	Uninc-San L	2.48	2	6	8	20.8	(F30)	3765	22.3	(F30)
F17	I-580 - EB	I-580/I-238 changed f	Grove	Unincorp	2.68	2	8	8	54.8	C	3538	55.5	B
F18	I-580 EB	Grove	Eden Canyon	Uninc - Pleas	2.19	4	8	8	67.3	A	3775	51.3	C
F19	I-580 EB	Eden Canyon	San Ramon/ Foothill	Uninc - Pleas	4.82	4	8	8	60.4	A	3428	59.4	B
F20	I-580 EB	San Ramon/ Foothill	I-680	Uninc - Pleas	0.71	4	8	8	63.7	A	3662	63.6	A
F21	I-580 EB	I-680	Hopyard	Plea	0.87	4	8	8	61.5	A	3781	65.4	A
F22	I-580 EB	Hopyard	Santa Rita	Plea	1.9	4	8	8	66.9	A	3900	65.4	A
F23	I-580 EB*	Santa Rita	El Charro	Uninc-Pleas	1.25	4	8	8	67.8	A	3900	66.1	A
F24	I-580 EB***	El Charro	SR 84/Airway Blvd.	Unincorp	1.72	4	8	8	66.9	A	3900	65.6	A
F25	I-580 EB*	SR 84/Airway Blvd.	Portola	Unincorp	1.73	4	8	8	68.3	A	3900	65.4	A
F26	I-580 - EB***	Portola	1st St	Liv	2.56	4	8	8	68.1	A	3900	66.1	A
F27	I-580 - EB***	1st St	Greenville	Liv-Uninc	2.13	4	8	8	56.6	B	3900	61.7	A
F28	I-580 - EB***	Greenville	N.Flynn	Uninc	2.73	4	8	8	42.8	D	3543	63.4	A
F29	I-580 - EB* ¹	N.Flynn	Grant Line	Uninc	4.32	4	8	8	50.6	C	3067	67.3	A
F30	I-580 - EB* ¹	Grant Line	I-205 (SJ Co) Off	Uninc	0.87	4	8	8	46.7	D	3737	65.9	A

2014 LOS Monitoring Study Results for Freeways - AM Peak Period (INRIX data)

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	No of lanes	2012 Results			2014 results		
		From	To					# Runs	Speed	LOS	Sample	Speed	LOS
F31	I-580 - WB**	I-205 (SJ Co)	Grant Line	Liv - Uninc	0.72	4	8	8	36.7	E	3514	48.9	D
F32	I-580 - WB	Grant Line	N Flynn	Liv - Uninc	4.59	4	8	8	45.9	D	3424	39.7	E
F33	I-580 - WB	N Flynn	Greenville Rd	Liv - Uninc	2.43	4	8	8	36.6	E	3666	34.6	E
F34	I-580 - WB	Greenville Rd	1st St	Liv - Uninc	2.21	4	8	8	23.8	(F30)	3547	23.5	(F30)
F35	I-580 - WB*	1st St	Portola Ave	Liv	2.56	4	8	8	22.3	(F30)	3781	26.5	(F30)
F36	I-580 - WB*	Portola	SR 84/Airway Blvd	Liv - Plea	1.73	4	8	8	37.4	E	3781	27.1	(F30)
F37	I-580 - WB*	SR 84/Airway Blvd	Fallon Rd/EI Charro	Plea	1.73	4	8	7	40.9	E	3664	35.0	E
F38	I-580 - WB*	Fallon Rd/EI Charro	Tassajara	Plea	1.23	4	8	7	45.1	D	3664	42.6	D
F39	I-580 - WB	Tassajara Rd	I-680	Plea	2.78	4	8	7	49.1	C	3425	44.6	D
F40	I-580 - WB	I-680	San Ramon Rd	Plea - Uninc	0.71	4	8	7	64.4	A	3425	61.3	A
F41	I-580 - WB	San Ramon Rd	Eden Caynon	Plea - Uninc	4.82	4	8	7	65.2	A	3308	64.3	A
F42	I-580 - WB	Eden Canyon	Center St	Plea - Uninc	2.5	4	8	7	66.9	A	3537	61.3	A
F43	I-580 - WB	Center	I-580/238	Unincorp	2.26	2	8	7	47.5	D	3538	53.1	C
F44	I-580 - EB	I-80	I-980	Oak	1.27	1	8	8	49.0	C	3528	56.5	B
F45	I-580 - EB	I-980	Harrison	Oak	1.02	1	8	8	66.3	A	3759	63.8	A
F46	I-580 - EB	Harrison	Lakeshore	Oak	0.84	1	8	8	62.3	A	3765	66.3	A
F47	I-580 - EB	Lakeshore	Coolidge	Oak	2.21	1	8	8	67.6	A	3760	65.5	A
F48	I-580 - EB	Coolidge	SH 13 Off	Oak	2.2	1	8	8	67.7	A	3348	66.4	A
F49	I-580 - EB	SH 13 Off	MacArthur	Foothill	4.08	1	8	8	64.4	A	3098	67.6	A
F50	I-580 - EB	MacArthur	I-580/238	SL - Hay	3.78	2	8	8	66.4	A	3673	67.8	A
F51	I-580 - WB	I-238	Foothill/MacArthur	Oak -SL	3.86	2	8	7	74.1	A	3291	58.2	B
F52	I-580 - WB	Foothill/MacArthur	SH 13 Off	Oak -SL	4.04	1	8	7	61.4	A	3656	36.9	E
F53	I-580 - WB	SH 13 Off	Fruitvale	Oak	2.63	1	8	7	26.4	(F30)	3412	29.4	(F30)
F54	I-580 - WB	Fruitvale	Harrison	Oak	2.68	1	8	7	36.6	E	3539	45.5	D
F55	I-580 - WB	Harrison	SH 24 On-ramp	Oak	1.24	1	8	7	46.8	D	3658	41.2	D
F56	I-580 - WB**	SH-24 On-ramp	I-80/580 Split	Oak	1.17	1	8	7	16.9	(F20)	3646	24.3	(F30)
F57	I-580 - EB	Central (County Line)	I-80 Jct	Alb	0.7	1	4	8	27.3	(F30)	7	28.1	(F30)
F58	I-580 - WB	I-80 Jct	Central (County Line)	Alb	0.86	1	4	6	69.2	A	7	59.5	B
F59	I-680 - NB*	Scott Creek Rd	Rt 262/Mission	Fre	2.26	3	6	6	65.5	A	3772	65.0	A
F60	I-680 - NB*	Rt 262/Mission	Durham Rd	Fre	1.62	3	6	6	66.2	A	3542	66.1	A

2014 LOS Monitoring Study Results for Freeways - AM Peak Period (INRIX data)

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	No of lanes	2012 Results			2014 results		
		From	To					# Runs	Speed	LOS	Sample	Speed	LOS
F61	I-680 - NB***	Durham Rd	Washington Blvd	Fre	1.3	3	6	6	65.9	A	3772	65.7	A
F62	I-680 - NB***	Washington Blvd	Rt 238/Mission	Fre	1.14	3	6	6	69.7	A	3653	63.9	A
F63	I-680 - NB***	SR 238/Mission	Vargas Rd	Unincorp	1.1	3	6	6	62.4	A	3653	64.1	A
F64	I-680 NB*	Vargas Rd	Andrade Rd	Unincorp	2.21	3	6	6	65.2	A	3898	64.9	A
F65	I-680 NB*	Andrade Rd	Calaveras	Unincorp	1.15	3	6	6	64.1	A	3900	66.3	A
F66	I-680 NB*	Calaveras	Rt.84/Vallecitos	Unincorp	0.39	3	6	6	73.4	A	3900	65.4	A
F67	I-680 NB	SR 84	Sunol Blvd	Plea - Uninc	3.52	4	6	6	68.3	A	3898	67.5	A
F68	I-680 NB	Sunol Blvd.	Bernal Ave	Plea - Uninc	1.49	4	6	6	64.6	A	3897	67.6	A
F69	I-680 NB	Bernal Ave	Stoneridge Dr	Plea	2.53	4	6	6	65.4	A	3897	67.2	A
F70	I-680 NB	Stoneridge Dr	I-580	Plea	0.74	4	6	6	70.3	A	3900	61.1	A
F71	I-680 - NB	I-580	Alcosta	Dub	1.85	4	6	6	47.9	D	3663	52.9	C
F72	I-680 - SB	Alcosta	I-580	Dub	1.85	4	6	7	67.5	A	3900	62.4	A
F73	I-680 SB	I-580	Stoneridge Dr	Plea	0.73	4	6	7	44.5	D	3662	40.6	E
F74	I-680 SB	Stoneridge Dr	Bernal	Plea	2.54	4	6	7	40.5	E	3664	36.7	E
F75	I-680 SB	Bernal Ave.	Sunol Blvd	Unincorp	1.49	4	6	7	27.5	(F30)	3426	34.0	E
F76	I-680 SB	Sunol Blvd.	SR 84	Unincorp	3.71	4	6	7	44.9	D	3900	42.8	D
F77	I-680 SB	SR 84 (Niles Canyon)	Andrade Rd	Unincorp	1.33	3	6	7	49.0	D	3900	51.7	C
F78	I-680 SB	Andrade Rd	Sheridon Rd	Unincorp	1.4	3	6	7	56.7	B	3898	50.8	C
F79	I-680 SB	Sheridon Rd	Vargas Rd	Unincorp	0.81	3	6	7	58.7	B	3900	53.2	C
F80	I-680 SB	Vargas Rd	SR 238/Mission	Unincorp	1.11	3	6	7	46.7	D	3772	57.2	B
F81	I-680 - SB	Rt 238/Mission	Washington Blvd	Fre	1.14	3	6	7	50.3	C	3534	57.5	B
F82	I-680 - SB	Washington Blvd	Durham Rd	Fre	1.35	3	6	7	51.0	C	3305	43.9	D
F83	I-680 - SB	Durham Rd	Rt 262/Mission	Fre	1.63	3	6	7	51.3	C	3190	43.4	D
F84	I-680 - SB	Rt 262/Mission	Scott Creek Rd	Fre	2.25	3	6	7	63.0	A	3772	66.3	A
F85	I-880 - NB	Dix Landing	SR 262/Mission	Fre	2.09	3	8	7	75.5	A	3772	66.7	A
F86	I-880 - NB*	SR 262/Mission	AutoMall Pkwy	Fre	2.43	3	8	7	68.8	A	3419	63.4	A
F87	I-880 - NB	AutoMall Pkwy	Stevenson	Fre	1.53	3	8	7	68.2	A	3536	64.7	A
F88	I-880 - NB	Stevenson	Decoto	Fre	4.06	3	8	8	65.9	A	3772	61.8	A
F89	I-880 - NB	Decoto	Alvarado Blvd	Fre - Un Cty	1.17	3	8	8	53.1	C	3543	51.9	C
F90	I-880 - NB	Alvarado Blvd	Alvarado-Niles Blvd	Fre- Uni Cty	1.57	3	8	8	45.8	D	3307	47.9	D

2014 LOS Monitoring Study Results for Freeways - AM Peak Period (INRIX data)

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	No of lanes	2012 Results			2014 results		
		From	To					# Runs	Speed	LOS	Sample	Speed	LOS
F91	I-880 - NB	Alv-Niles	Tennyson	Un Cty - Hay	2.6	3	8	8	38.1	E	3191	38.9	E
F92	I-880 - NB	Tennyson	SR 92	Hay	1.02	2	8	8	64.5	A	3539	49.4	C
F93	I-880 - NB	SR 92	A St	Hay	1.68	2	8	8	53.1	C	3184	50.8	C
F94	I-880 - NB	A St	I-238 (Marina before C	Unincorp	1.95	2	8	8	57.9	B	3539	48.0	D
F95	I-880 - NB	I-880/I238 (split)	Marina Blvd	Oak -SL	2.54	2	8	8	34.3	E	2945	28.5	(F30)
F96	I-880 - NB	Marina Blvd	SR 112/Davis	Oak - SL	0.82	2	8	8	30.0	(F30)	3299	27.9	(F30)
F97	I-880 - NB	SR 112/Davis	Hegenberger	Oak - SL	1.83	2	8	8	29.8	(F30)	3539	31.4	E
F98	I-880 - NB	Hegenberger	High/42nd	Oak	2.34	1	8	7	30.8	E	3656	24.3	(F30)
F99	I-880 - NB	High/42nd	23rd (1st on)	Oak	1.25	1	8	7	33.2	E	3195	26.5	(F30)
F100	I-880 - NB	23RD (1ST on)	Jct 980 (off)	Oak	2.63	1	8	7	48.0	D	3305	45.0	D
F101	I-880 - NB	Jct 980 (off)	I-880/I-80 split	Oak	2.43	1	8	7	63.7	A	3652	63.1	A
F102	I-880 - NB	I-880/I238 (split)	I-880/I-80 (merge)	Oak	1.44	1	8	7	65.1	A	3770	60.2	A
F103	I-880 - SB**	I-880/I-80 split	I-880/I-80 merge	Oak	1.28	1	8	8	67.5	A	3773	56.9	B
F104	I-880 - SB**	I-880/I-80 merge	Jct 980	Oak	2.51	1	8	8	83.0	A	3775	58.9	B
F105	I-880 - SB	I-980	23rd	Oak	2.74	1	8	8	60.7	A	3311	59.4	B
F106	I-880 - SB	23rd St	High/42nd	Oak	1.1	1	8	8	56.7	B	3775	60.0	A
F107	I-880 - SB	High/42nd	Hegenberger	Oak	2.36	1	8	8	61.0	A	3775	61.8	A
F108	I-880 - SB*	Hegenberger	SR 112/Davis	Oak - SL	1.82	1	8	8	60.6	A	3538	60.3	A
F109	I-880 - SB*	SR 112/Davis	Marina Blvd	Oak - SL	0.82	1	8	8	72.2	A	3656	52.1	C
F110	I-880 - SB*	Marina Blvd	SR 238 WB (merge)	Oak - SL	2.55	1	8	8	47.2	D	3537	39.8	E
F111	I-880 - SB	I-238 (Marina before 06)	A St	SL-Uninc	1.91	2	8	8	22.4	(F30)	3182	22.4	(F30)
F112	I-880 - SB	A St	Rt 92	Hay	1.7	2	8	8	34.1	E	3537	29.6	(F30)
F113	I-880 - SB	Rt 92	Tennyson	Hay	1.01	2	8	8	23.0	(F30)	3421	28.0	(F30)
F114	I-880 - SB	Tennyson	Alv-Niles	Hay - UC	2.6	2	8	8	23.5	(F30)	2954	27.2	(F30)
F115	I-880 - SB	Alvarado-Niles	Alvarado	UC - Fre	1.56	2	8	8	24.6	(F30)	3424	24.8	(F30)
F116	I-880 - SB	Alvarado	Decoto	UC - Fre	1.19	2	8	8	26.8	(F30)	3424	29.1	(F30)
F117	I-880 - SB	Decoto	Stevenson	Fre	4.06	3	8	8	20.2	(F30)	3308	29.8	(F30)
F118	I-880 - SB	Stevenson	AutoMall Pkwy	Fre	1.52	2	8	7	35.5	E	3653	40.3	E
F119	I-880 - SB*	AutoMall Pkwy	Rt 262/Mission	Fre	2.83	2	8	7	32.3	E	3536	42.5	D
F120	I-880 - SB	SR 262/Mission	Dix Landing(off)	Fre	1.69	3	8	7	46.1	D	3772	54.1	C

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CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	No of lanes	2012 Results			2014 results		
		From	To					# Runs	Speed	LOS	Sample	Speed	LOS
F121	I-980 - WB	SR 24 @ 580	I-880	Oak	2.49	1	8	7	63.7	A	3775	59.5	B
F122	I-980 - EB	I-880	SR 24 @ 580	Oak	2.44	1	8	6	60.2	A	3656	61.1	A
F123	SR 13 - NB	Mountain On	Carson/Redwood (1)	Oak	1.27	1	4	6	85.8	A	3259	55.3	B
F124	SR 13 - NB	Carson/Redwood (1)	Joaguin Miller	Oak	1.08	1	4	6	39.4	E	3371	47.5	D
F125	SR 13 - NB	Joa Miller/Linc	Moraga Ave	Oak	1.83	1	4	6	35.4	E	3182	40.5	E
F126	SR 13 - NB	Moraga Ave	Hiller (Sig)	Oak	1.63	1	4	6	23.2	(F30)	1776	33.8	E
F127	SR 13 - SB	Hiller Sig	Moraga Ave	Oak	1.6	1	4	6	55.9	B	753	54.0	C
F128	SR 13 - SB	Moraga Ave	Joa Miller/Linc	Oak	1.85	1	4	6	72.0	A	3025	62.8	A
F129	SR 13 - SB	Joaq Miller/Lincoln	Redwood	Oak	1.07	1	4	6	62.6	A	3221	64.1	A
F130	SR 13 - SB	Redwood	Jct I-580 (EB Merge)	Oak	1.4	1	4	6	41.6	D	3130	56.5	B
F131	SR 24 - EB	Jct I-580 (on)	Broadway/SR 13	Oak	1.84	1	8	6	65.2	A	3775	62.8	A
F132	SR 24 - EB	Broadway/SR 13	Caldecott (enter)	Oak	1.65	1	8	6	18.3	(F20)	3538	54.5	C
F133	SR 24 - EB	Caldecott (enter)	Fish Ranch Road	Oak	1.04	1	8	6	40.2	E	3506	46.0	D
F134	SR 24 - WB	Fish Ranch Road (CC	Caldecott (exit)	Oak	0.99	1	8	8	50.2	C	2603	48.7	D
F135	SR 24 - WB	Caldecott (exit)	Broadway	Oak	1.73	1	8	8	60.3	A	3537	52.6	C
F136	SR 24 - WB	Broadway	Jct I-580 (on)	Oak	1.86	1	8	7	49.2	C	3656	43.0	D
F137	SR 84 - EB	San M CL	Toll Plaza	Fremont	3.29	3	6	6	53.9	C	3765	64.7	A
F138	SR 84 - EB	Toll Plaza	Thornton	Fremont	0.54	3	6	6	58.3	B	3762	63.5	A
F139	SR 84 - EB	Thornton Ave/Pascon	Newark Blvd/Ardenwo	Newark	1.16	3	6	6	65.9	A	3696	63.1	A
F140	SR 84 - EB	Newark Blvd/Ardenwo	I-880 NB (off)	Newark	1.2	3	6	6	41.8	D	3703	45.6	D
F141	SR 84 - WB	I-880 NB (off)	Ardenwood/Newark	Newark	1.21	3	6	6	42.7	D	3772	39.3	E
F142	SR 84 - WB	Ardenwood/Newark	Paseo Padre Pkwy		1.15	3	6	6	36.3	E	3757	36.7	E
F143	SR 84 - WB	Paseo Padre Pkwy	Toll Gate		0.54	3	6	6	31.0	E	3649	29.8	(F30)
F144	SR 84 - WB	Toll Plaza	San M CL	Fremont	3.29	2	6	6	60.7	A	3653	44.1	D
F145	SR 92 - EB	San M CL	Toll Plaza	Uninc - Hay	2.78	2	6	7	65.6	A	3752	66.0	A
F146	SR 92 - EB***	Toll Plaza	Clawiter	Uninc - Hay	1.87	2	6	7	62.1	A	3724	65.7	A
F147	SR 92 - EB	Clawiter	I-880	Hay	2.07	2	6	7	67.8	A	2668	58.2	B
F148	SR 92 - WB	I-880	Clawiter	Hay	2.05	2	6	6	55.1	B	3536	30.5	E
F149	SR 92 - WB*	Clawiter	Toll Plaza	Uninc - Hay	1.88	2	6	6	35.7	E	2954	25.4	(F30)
F150	SR 92 - WB	Toll Plaza	San M CL	Uninc - Hay	2.79	2	6	6	59.0	B	2954	43.5	D

2014 LOS Monitoring Study Results for Freeways - AM Peak Period (INRIX data)

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	No of lanes	2012 Results			2014 results		
		From	To					# Runs	Speed	LOS	Sample	Speed	LOS
F151	SR 92 - WB	San M CL	Foster City Boulevard	SM	4.97	2	3	New Segment			3775	47.7	D
F152	SR 92 - EB*	Foster City Boulevard	San M CL	SM	4.97	2	3	New Segment			3772	65.9	A
F153	SR 84 - WB	San M CL	Ravenswood Slough	SM	1.31	3	3	New Segment			3772	37.5	E
F154	SR 84 - EB	Ravenswood Slough	San M CL	SM	1.31	3	3	New Segment			3290	60.1	A
F155	I-80 - WB	SF County Line	Fremont St Off Ramp	SF	3.32	1	5	New Segment			3775	46.3	D
F156	I-80 - EB	Bryant St On Ramp	SF County Line	SF	3.29	1	5	New Segment			3775	50.2	C

Comments

* Data impacted by long term construction and recurrent lane closures.

**CMP segment length changed based on the shapefiles used to the extent that the speed trends are not comparable.

***data impacted by construction as well as segment length changed based on shapefiles used to the extent trends are not comparable