

Appendix B | 2016 Level of Service Results

This Appendix shows the results for all CMP segments. Tables are included for freeways (Tier 1), ramps (Tier 1), arterials (Tier 1 & 2), HOV/express lanes and bridges for the afternoon, morning and weekend monitoring periods as appropriate. Table notes below each table correspond to numbers in the Notes column and should be looked up as appropriate.

The following abbreviations are used for jurisdictions in Alameda County:

Ala – Alameda	Dub – Dublin	Hay – Hayward	Oak – Oakland	Uni Cty – Union City
Alb – Albany	Emery – Emeryville	Liv – Livermore	Plea – Pleasanton	Uninc – Unincorporated
Berk – Berkeley	Fre – Fremont	New – Newark	San L – San Leandro	

The abbreviations for other jurisdictions are:

SM – San Mateo	SF – San Francisco
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The abbreviations for Plan Areas are:

N – North	C – Central
S – South	E – East

B.1 | Freeways (Tier 1)

Table B-1: 2016 LOS Monitoring Results for Freeways (Tier 1) - PM Peak Period (INRIX data)

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	# Lanes	2014 results			2016 results			Note
		From	To					Sample	Speed	LOS	Sample	Speed	LOS	
F1	I-80 - EB	SF County Line	Toll Plaza	Oak	2.01	N	5	3779	53.9	C	3319	52.8	C	
F2	I-80 - EB	Toll Plaza	I-580 SB Merge	Oak	1.3	N	6	3779	24.7	(F30)	3199	17.3	(F20)	
F3	I-80 - EB	I-80/I-580 (Merge)	Powell	Emery	0.54	N	6	2833	12.1	(F20)	3559	9.9	(F10)	
F4	I-80 - EB	Powell	Ashby	Emery - Berk	0.72	N	6	2833	13.4	(F20)	2721	11.5	(F20)	
F5	I-80 - EB	Ashby	University	Berk	1.3	N	5	2833	23.5	(F30)	2719	19.9	(F20)	
F6	I-80 - EB	University	Jct I-580 (off)	Berk - Alb	1.37	N	5	2948	34.7	E	2628	29.6	(F30)	
F7	I-80 - EB	Jct I-580 (off)	Central (County Line)	Alb	0.84	N	4	2835	48.1	D	2990	38.2	E	
F8	I-80 - WB	Central (County Line)	Jct I-580	Alb	0.7	N	4	3185	54.7	C	2990	56.0	B	
F9	I-80 - WB	Jct I-580	University	Berk - Alb	1.51	N	6	2948	26.7	(F30)	2628	34.5	E	
F10	I-80 - WB	University	Ashby	Berk	1.31	N	5	2714	18.8	(F20)	2719	19.8	(F20)	
F11	I-80 - WB	Ashby	Powell	Emery	0.71	N	5	2635	15.4	(F20)	2721	15.2	(F20)	

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CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	# Lanes	2014 results			2016 results			Note
		From	To					Sample	Speed	LOS	Sample	Speed	LOS	
F12	I-80 - WB	Powell	I-80/I-580 (Split)	Emery	0.47	N	6	2377	28.3	(F30)	3559	29.7	(F30)	
F13	I-80 - WB	I-580 Split	Toll Plaza	Oak	1.31	N	8	3208	41.0	D	3076	38.5	E	
F14	I-80 - WB	Toll Plaza	SF County	Oak	2.01	N	4	3777	37.5	E	3319	32.6	E	
F15	I-238 - EB	I-880	I-580	Uninc-San L	2.59	C	3	2477	44.9	D	1910	32.8	E	
F16	I-238 - WB	I-580	I-880	Uninc-San L	2.48	C	3	2454	56.5	B	1910	48.9	D	
F17	I-580 - EB	I-580/I-238 changed fm (I-238/Fthl Off)	Grove	Uninc	2.68	C	5	3182	49.9	C	3320	43.5	D	
F18	I-580 EB	Grove	Eden Canyon	Uninc - Plea	2.19	E	4	3540	49.6	C	3205	41.1	D	
F19	I-580 EB	Eden Canyon	San Ramon/ Foothill	Uninc - Plea	4.82	E	4	3067	50.4	C	2483	34.8	E	
F20	I-580 EB	San Ramon/ Foothill	I-680	Plea	0.71	E	4	3662	35.4	E	-	-	-	[3]
F21	I-580 EB	I-680	Hopyard	Plea	0.87	E	6	3430	30.1	E	-	-	-	[3]
F22	I-580 EB	Hopyard	Santa Rita	Plea	1.9	E	6	3073	31.3	E	-	-	-	[3]
F23	I-580 EB	Santa Rita	El Charro	Uninc-Pleas	1.25	E	6	3900	38.7	E	-	-	-	[3]
F24	I-580 EB	El Charro	SR 84/Airway Blvd.	Uninc	1.72	E	6	3543	45.2	D	-	-	-	[3]
F25	I-580 EB	SR 84/Airway Blvd.	Portola	Liv	1.73	E	5	3900	40.1	E	-	-	-	[3]
F26	I-580 - EB	Portola	1st St	Liv	2.56	E	5	3424	41.4	D	-	-	-	[3]
F27	I-580 - EB	1st St	Greenville	Liv	2.13	E	6	2829	22.2	(F30)	-	-	-	[3]
F28	I-580 - EB	Greenville	N.Flynn	Uninc	2.73	E	4	3779	36.8	E	3200	27.6	(F30)	
F29	I-580 - EB	N.Flynn	Grant Line	Uninc	4.32	E	4	3426	59.0	B	2963	47.1	D	
F30	I-580 - EB	Grant Line	I-205 (SJ Co) Off	Uninc	0.87	E	5	3778	58.3	B	3437	56.4	B	
F31	I-580 - WB	I-205 (SJ Co)	Grant Line	Uninc	0.72	E	5	3259	66.3	A	2756	68.2	A	
F32	I-580 - WB	Grant Line	N Flynn	Uninc	4.59	E	4	3307	65.7	A	2603	65.7	A	
F33	I-580 - WB	N Flynn	Greenville Rd	Liv - Uninc	2.43	E	5	3780	67.5	A	3200	67.3	A	
F34	I-580 - WB	Greenville Rd	1st St	Liv	2.21	E	4	3779	67.2	A	-	-	-	[3]
F35	I-580 - WB	1st St	Portola Ave	Liv	2.56	E	4	3895	66.5	A	-	-	-	[3]
F36	I-580 - WB	Portola	SR 84/Airway Blvd	Liv	1.73	E	4	3779	65.3	A	-	-	-	[3]
F37	I-580 - WB	SR 84/Airway Blvd	Fallon Rd/El Charro	Liv - Uninc	1.73	E	4	3900	64.7	A	-	-	-	[3]
F38	I-580 - WB	Fallon Rd/El Charro	Tassajara	Plea	1.23	E	4	3900	59.4	B	-	-	-	[3]

Appendix B | 2016 Level of Service Results

Table B-1: 2016 LOS Monitoring Results for Freeways (Tier 1) - PM Peak Period (INRIX data)

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	# Lanes	2014 results			2016 results			Note
		From	To					Sample	Speed	LOS	Sample	Speed	LOS	
F39	I-580 - WB	Tassajara Rd	I-680	Plea	2.78	E	4	3305	49.7	C	-	-	-	[3]
F40	I-580 - WB	I-680	San Ramon Rd	Plea	0.71	E	4	3543	58.9	B	-	-	-	[3]
F41	I-580 - WB	San Ramon Rd	Eden Caynon	Plea - Uninc	4.82	E	4	3305	62.8	A	2483	58.3	B	
F42	I-580 - WB	Eden Canyon	Center St	Uninc	2.5	E	4	3541	66.0	A	3203	64.8	A	
F43	I-580 - WB	Center	I-580/238	Uninc	2.26	C	5	3660	64.9	A	3320	63.5	A	
F44	I-580 - EB	I-80	I-980	Oak	1.27	N	5	3658	24.4	(F30)	3197	19.2	(F20)	
F45	I-580 - EB	I-980	Harrison	Oak	1.02	N	5	3545	24.2	(F30)	2962	16.0	(F20)	
F46	I-580 - EB	Harrison	Lakeshore	Oak	0.84	N	4	3664	25.7	(F30)	3322	21.5	(F30)	
F47	I-580 - EB	Lakeshore	Coolidge	Oak	2.21	N	5	3541	33.0	E	2846	31.9	E	
F48	I-580 - EB	Coolidge	SH 13 Off	Oak	2.2	N	4	3414	36.1	E	3228	29.7	(F30)	
F49	I-580 - EB	SH 13 Off	MacArthur	Oak	4.08	N	4	3654	54.8	C	3432	51.3	C	
F50	I-580 - EB	MacArthur	I-580/238	San L - Uninc	3.78	C	4	3538	67.0	A	3101	65.3	A	
F51	I-580 - WB	I-238	Foothill/MacArthur	Uninc	3.86	C	4	3729	68.4	A	3112	65.3	A	
F52	I-580 - WB	Foothill/MacArthur	SH 13 Off	Oak	4.04	N	4	3644	65.8	A	3433	62.4	A	
F53	I-580 - WB	SH 13 Off	Fruitvale	Oak	2.63	N	4	3619	67.5	A	3228	66.4	A	
F54	I-580 - WB	Fruitvale	Harrison	Oak	2.68	N	4	3515	64.6	A	2609	63.4	A	
F55	I-580 - WB	Harrison	SH 24 On-ramp	Oak	1.24	N	5	3541	59.2	B	2962	58.8	B	
F56	I-580 - WB	SH-24 On-ramp	I-80/580 Split	Oak	1.17	N	5	3777	29.3	(F30)	3197	23.8	(F30)	
F57	I-580 - EB	Central (County Line)	I-80 Jct	Alb	0.7	N	2	8	53.5	C	3314	48.3	C	[2]
F58	I-580 - WB	I-80 Jct	Central (County Line)	Alb	0.86	N	3	8	52.5	C	3345	56.0	C	[2]
F59	I-680 - NB	Scott Creek Rd	Rt 262/Mission	Fre	2.26	S	3	3664	36.6	E	3410	35.3	E	
F60	I-680 - NB	Rt 262/Mission	Durham Rd	Fre	1.62	S	3	3308	12.9	(F20)	3197	8.4	(F10)	
F61	I-680 - NB	Durham Rd	Washington Blvd	Fre	1.3	S	3	3437	11.9	(F20)	2992	8.7	(F10)	
F62	I-680 - NB	Washington Blvd	Rt 238/Mission	Fre	1.14	S	3	3437	19.2	(F20)	3208	13.8	(F20)	
F63	I-680 NB	SR 238/Mission	Vargas Rd	Fre	1.1	S	4	3781	24.0	(F30)	3559	16.7	(F20)	
F64	I-680 NB	Vargas Rd	Andrade Rd	Uninc	2.21	S	4	3545	19.8	(F20)	3197	15.1	(F20)	
F65	I-680 NB	Andrade Rd	Calaveras	Uninc	1.15	S	3	3664	30.5	E	3077	25.2	(F30)	
F66	I-680 NB	Calaveras	Rt.84/Vallecitos	Uninc	0.39	S	3	3783	51.9	C	3200	43.1	D	
F67	I-680 NB	SR 84	Sunol Blvd	Plea - Uninc	3.52	E	3	3895	66.6	A	3200	66.9	A	
F68	I-680 NB	Sunol Blvd.	Bernal Ave	Plea - Uninc	1.49	E	3	3898	65.0	A	3320	65.1	A	

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CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	# Lanes	2014 results			2016 results			Note
		From	To					Sample	Speed	LOS	Sample	Speed	LOS	
F69	I-680 NB	Bernal Ave	Stoneridge Dr	Plea	2.53	E	3	3898	63.1	A	3320	60.1	A	
F70	I-680 NB	Stoneridge Dr	I-580	Plea	0.74	E	4	3900	61.9	A	3200	60.6	A	
F71	I-680 - NB	I-580	Alcosta	Dub	1.85	E	4	3900	64.7	A	2960	65.3	A	
F72	I-680 - SB	Alcosta	I-580	Dub	1.85	E	5	3787	67.5	A	2960	66.8	A	
F73	I-680 SB	I-580	Stoneridge Dr	Plea	0.73	E	4	3781	59.4	B	3200	64.7	A	
F74	I-680 SB	Stoneridge Dr	Bernal	Plea	2.54	E	3	3774	65.9	A	3320	65.3	A	
F75	I-680 SB	Bernal Ave.	Sunol Blvd	Uninc	1.49	E	3	3767	66.9	A	3318	65.9	A	
F76	I-680 SB	Sunol Blvd.	SR 84	Uninc	3.71	E	3	3769	67.4	A	3074	66.8	A	
F77	I-680 SB	SR 84 (Niles Canyon)	Andrade Rd	Uninc	1.33	S	4	3779	67.3	A	3074	66.5	A	
F78	I-680 SB	Andrade Rd	Sheridon Rd	Uninc	1.4	S	5	3895	62.2	A	3200	63.0	A	
F79	I-680 SB	Sheridon Rd	Vargas Rd	Uninc	0.81	S	4	3895	65.7	A	3318	64.8	A	
F80	I-680 SB	Vargas Rd	SR 238/Mission	Fre	1.11	S	4	3778	69.9	A	3557	67.8	A	
F81	I-680 - SB	Rt 238/Mission	Washington Blvd	Fre	1.14	S	4	3783	69.3	A	3197	68.1	A	
F82	I-680 - SB	Washington Blvd	Durham Rd	Fre	1.35	S	4	3783	68.7	A	2983	67.6	A	
F83	I-680 - SB	Durham Rd	Rt 262/Mission	Fre	1.63	S	4	3664	67.0	A	3228	65.1	A	
F84	I-680 - SB	Rt 262/Mission	Scott Creek Rd	Fre	2.25	S	4	3545	68.3	A	3439	68.2	A	
F85	I-880 - NB	Dix Landing	SR 262/Mission	Fre	2.09	S	6	3307	25.8	(F30)	3199	25.0	(F30)	
F86	I-880 - NB	SR 262/Mission	AutoMall Pkwy	Fre	2.43	S	4	3307	36.1	E	3079	30.4	E	[1]
F87	I-880 - NB	AutoMall Pkwy	Stevenson	Fre	1.53	S	4	3545	44.8	D	3559	38.7	E	[1]
F88	I-880 - NB	Stevenson	Decoto	Fre	4.06	S	4	3307	35.9	E	2120	19.7	(F20)	[1]
F89	I-880 - NB	Decoto	Alvarado Blvd	Fre	1.17	S	4	3309	28.8	(F30)	3199	17.0	(F20)	[1]
F90	I-880 - NB	Alvarado Blvd	Alvarado-Niles Blvd	Fre- Uni Cty	1.57	S	4	3428	31.6	E	2846	20.5	(F30)	[1]
F91	I-880 - NB	Alv-Niles	Tennyson	Uni Cty - Hay	2.6	S	4	2714	24.8	(F30)	2480	17.5	(F20)	[1]
F92	I-880 - NB	Tennyson	SR 92	Hay	1.02	C	5	3421	34.7	E	2720	25.1	(F30)	[1]
F93	I-880 - NB	SR 92	A St	Hay	1.68	C	5	3660	35.9	E	3077	30.9	E	[1]
F94	I-880 - NB	A St	I-238 (Marina before 06)	Uninc	1.95	C	5	3779	52.2	C	3439	50.6	C	[1]
F95	I-880 - NB	I-880/I238 (split)	Marina Blvd	San L	2.54	C	5	2250	62.6	A	1796	57.2	B	[1]
F96	I-880 - NB	Marina Blvd	SR 112/Davis	San L	0.82	C	4	2250	59.0	B	2150	41.3	D	[1]
F97	I-880 - NB	SR 112/Davis	Hegenberger	Oak - San L	1.83	C	4	2369	59.2	B	1670	48.2	D	[1]
F98	I-880 - NB	Hegenberger	High/42nd	Oak	2.34	N	4	2369	58.7	B	1913	32.8	E	[1]

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CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	# Lanes	2014 results			2016 results			Note
		From	To					Sample	Speed	LOS	Sample	Speed	LOS	
F99	I-880 - NB	High/42nd	23rd (1st on)	Oak	1.25	N	4	2256	59.6	B	1916	49.9	C	
F100	I-880 - NB	23RD (1ST on)	Jct 980 (off)	Oak	2.63	N	4	2486	59.1	B	1909	59.4	B	
F101	I-880 - NB	Jct 980 (off)	I-880/I-80 split	Oak	2.43	N	4	3766	55.0	C	3558	54.1	C	
F102	I-880 - NB	I-880/I-80 (split)	I-880/I-80 (merge)	Oak	1.44	N	4	3765	14.3	(F20)	3433	11.4	(F20)	
F103	I-880 - SB	I-880/I-80 split	I-880/I-80 merge	Oak	1.28	N	4	3779	53.3	C	3439	50.2	C	
F104	I-880 - SB	I-880/I-80 merge	Jct 980	Oak	2.51	N	4	3779	32.6	E	3199	21.1	(F30)	
F105	I-880 - SB	I-980	23rd	Oak	2.74	N	5	2250	26.5	(F30)	1796	15.3	(F20)	
F106	I-880 - SB	23rd St	High/42nd	Oak	1.1	N	5	2488	33.7	E	1916	30.2	E	
F107	I-880 - SB	High/42nd	Hegenberger	Oak	2.36	N	4	2250	34.7	E	1913	37.1	E	[1]
F108	I-880 - SB	Hegenberger	SR 112/Davis	Oak - San L	1.82	N	4	2488	43.3	D	1670	49.5	C	[1]
F109	I-880 - SB	SR 112/Davis	Marina Blvd	San L	0.82	N	4	2369	54.6	C	2150	47.8	D	[1]
F110	I-880 - SB	Marina Blvd	SR 238 WB (merge)	Oak - San L	2.55	N	4	2369	56.7	B	1796	48.9	D	[1]
F111	I-880 - SB	I-238 (Marina before 06)	A St	Uninc	1.91	C	5	3660	47.1	D	3439	38.6	E	[1]
F112	I-880 - SB	A St	Rt 92	Hay	1.7	C	5	3660	45.7	D	3199	39.4	E	[1]
F113	I-880 - SB	Rt 92	Tennyson	Hay	1.01	C	5	3422	42.1	D	2720	36.4	E	[1]
F114	I-880 - SB	Tennyson	Alv-Niles	Hay - Uni Cty	2.6	C	4	3305	45.2	D	2480	45.4	D	[1]
F115	I-880 - SB	Alvarado-Niles	Alvarado	Uni Cty - Fre	1.56	S	4	3547	52.8	C	2846	57.4	B	[1]
F116	I-880 - SB	Alvarado	Decoto	Fre	1.19	S	4	3309	47.8	D	3079	53.7	C	[1]
F117	I-880 - SB	Decoto	Stevenson	Fre	4.06	S	4	3426	55.9	B	2000	56.6	B	[1]
F118	I-880 - SB	Stevenson	AutoMall Pkwy	Fre	1.52	C	4	3783	65.3	A	3559	62.6	A	[1]
F119	I-880 - SB	AutoMall Pkwy	Rt 262/Mission	Fre	2.83	C	4	3783	66.7	A	3079	65.3	A	[1]
F120	I-880 - SB	SR 262/Mission	Dix Landing(off)	Fre	1.69	S	4	3783	66.2	A	3199	67.1	A	
F121	I-980 - WB	SR 24 @ 580	I-880	Oak	2.49	N	4	2349	57.2	B	1791	61.2	A	
F122	I-980 - EB	I-880	SR 24 @ 580	Oak	2.44	N	4	2486	38.6	E	1911	43.3	D	
F123	SR 13 - NB	Mountain On	Carson/Redwood (1) (off)	Oak	1.27	N	2	3397	63.0	A	3337	60.9	A	
F124	SR 13 - NB	Carson/Redwood (1) (off)	Joaquin Miller	Oak	1.08	N	2	3505	59.2	B	3365	62.4	A	
F125	SR 13 - NB	Joa Miller/Linc	Moraga Ave	Oak	1.83	N	2	3498	31.7	E	3402	35.0	E	
F126	SR 13 - NB	Moraga Ave	Hiller (Sig)	Oak	1.63	N	2	1899	17.2	(F20)	1983	17.5	(F20)	
F127	SR 13 - SB	Hiller Sig	Moraga Ave	Oak	1.6	N	2	1390	52.9	C	2222	41.5	D	
F128	SR 13 - SB	Moraga Ave	Joa Miller/Linc	Oak	1.85	N	2	2824	60.6	A	3328	53.7	C	

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CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	# Lanes	2014 results			2016 results			Note
		From	To					Sample	Speed	LOS	Sample	Speed	LOS	
F129	SR 13 - SB	Joaq Miller/Lincoln	Redwood	Oak	1.07	N	2	3334	62.9	A	3427	58.9	B	
F130	SR 13 - SB	Redwood	Jct I-580 (EB Merge)	Oak	1.4	N	2	3148	22.1	(F30)	3330	14.8	(F20)	
F131	SR 24 - EB	Jct I-580 (on)	Broadway/SR 13	Oak	1.84	N	4	3779	14.1	(F20)	3439	13.0	(F20)	
F132	SR 24 - EB	Broadway/SR 13	Caldecott (enter)	Oak	1.65	N	4	3660	12.9	(F20)	3325	11.1	(F20)	
F133	SR 24 - EB	Caldecott (enter)	Fish Ranch Road	Oak	1.04	N	4	3657	30.0	(F30)	2770	25.1	(F30)	
F134	SR 24 - WB	Fish Ranch Road (CC)	Caldecott (exit)	Oak	0.99	N	4	1397	47.1	D	2209	57.9	B	
F135	SR 24 - WB	Caldecott (exit)	Broadway	Oak	1.73	N	4	3318	58.2	B	2483	61.5	A	
F136	SR 24 - WB	Broadway	Jct I-580 (on)	Oak	1.86	N	4	3741	61.0	A	3439	63.5	A	
F137	SR 84 - EB	San M CL	Toll Plaza	Fre	3.29	S	3	3783	58.1	B	3559	48.2	D	
F138	SR 84 - EB	Toll Plaza	Thornton	Fre	0.54	S	3	3664	55.5	B	3559	53.5	C	
F139	SR 84 - EB	Thornton Ave/Pascon Padre	Newark Blvd/Ardenwood Blvd	New	1.16	S	3	3544	40.7	E	3559	46.9	D	
F140	SR 84 - EB	Newark Blvd/Ardenwood Blvd	I-880 NB (off)	New	1.2	S	2	3660	16.1	(F20)	3557	16.5	(F20)	
F141	SR 84 - WB	I-880 NB (off)	Ardenwood/Newark	New	1.21	S	3	3364	43.6	D	3413	47.1	D	
F142	SR 84 - WB	Ardenwood/Newark	Paseo Padre Pkwy	New	1.15	S	3	2818	62.7	A	3079	64.1	A	
F143	SR 84 - WB	Paseo Padre Pkwy	Toll Gate	Fre	0.54	S	3	3696	46.6	D	3377	53.0	C	
F144	SR 84 - WB	Toll Plaza	San M CL	Fre	3.29	C	3	2745	61.4	A	3559	61.9	A	
F145	SR 92 - EB	San M CL	Toll Plaza	Hay	2.78	C	3	3543	41.5	D	3438	39.2	E	
F146	SR 92 - EB	Toll Plaza	Clawiter	Hay	1.87	C	3	3539	39.0	E	3437	38.6	E	[1]
F147	SR 92 - EB	Clawiter	I-880	Hay	2.07	C	4	3050	20.5	(F30)	3064	30.7	E	[1]
F148	SR 92 - WB	I-880	Clawiter	Hay	2.05	C	4	3512	62.0	A	2776	61.0	A	[1]
F149	SR 92 - WB	Clawiter	Toll Plaza	Hay	1.88	C	4	3753	57.6	B	3439	58.6	B	[1]
F150	SR 92 - WB	Toll Plaza	San M CL	Hay	2.79	C	3	3746	65.8	A	3439	65.5	A	

Notes

- [1] Data impacted by long term construction and recurrent lane closures
- [2] Monitored in 2014 with floating car surveys
- [3] Express Lane Ramp Up Period

Appendix B | 2016 Level of Service Results

Table B-2: 2016 LOS Monitoring Results for Freeways (Tier 1) - AM Peak Period (INRIX data)

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	# Lanes	2014 results			2016 results			Note
		From	To					Sample	Speed	LOS	Sample	Speed	LOS	
F1	I-80 - EB	SF County Line	Toll Plaza	Oak	2.01	N	5	3302	58.6	B	2795	62.2	A	
F2	I-80 - EB	Toll Plaza	I-580 SB Merge	Oak	1.3	N	6	3728	60.6	A	1889	63.2	A	
F3	I-80 - EB	I-80/I-580 (Merge)	Powell	Emery	0.54	N	6	3191	53.3	C	3070	58.7	B	
F4	I-80 - EB	Powell	Ashby	Emery - Berk	0.72	N	6	3074	60.7	A	3386	61.4	A	
F5	I-80 - EB	Ashby	University	Berk	1.3	N	5	3072	61.5	A	3504	62.9	A	
F6	I-80 - EB	University	Jct I-580 (off)	Berk - Alb	1.37	N	5	3194	62.6	A	2962	63.5	A	
F7	I-80 - EB	Jct I-580 (off)	Central (County Line)	Alb	0.84	N	4	3194	64.3	A	3305	65.3	A	
F8	I-80 - WB	Central (County Line)	Jct I-580	Alb	0.7	N	4	3075	16.3	(F20)	3305	17.1	(F20)	
F9	I-80 - WB	Jct I-580	University	Berk - Alb	1.51	N	6	2841	19.5	(F20)	2962	19.7	(F20)	
F10	I-80 - WB	University	Ashby	Berk	1.31	N	5	2957	32.6	E	3504	26.7	(F30)	
F11	I-80 - WB	Ashby	Powell	Emery	0.71	N	5	2698	32.2	E	3386	26.9	(F30)	
F12	I-80 - WB	Powell	I-80/I-580 (Split)	Emery	0.47	N	6	2688	33.1	E	3270	21.0	(F30)	
F13	I-80 - WB	I-580 Split	Toll Plaza	Oak	1.31	N	8	3279	7.7	(F10)	2088	7.6	(F10)	
F14	I-80 - WB	Toll Plaza	SF County	Oak	2.01	N	4	3421	27.0	(F30)	2677	24.2	(F30)	
F15	I-238 - EB	I-880	I-580	Uninc-San L	2.59	C	3	3766	55.2	B	3040	47.4	D	
F16	I-238 - WB	I-580	I-880	Uninc-San L	2.48	C	3	3765	22.3	(F30)	2920	21.4	(F30)	
F17	I-580 - EB	I-580/I-238 changed fm (I-238/Fthl Off)	Grove	Uninc	2.68	C	5	3538	55.5	B	3149	37.4	E	
F18	I-580 EB	Grove	Eden Canyon	Uninc - Plea	2.19	E	4	3775	51.3	C	3156	46.0	D	
F19	I-580 EB	Eden Canyon	San Ramon/ Foothill	Uninc - Plea	4.82	E	4	3428	59.4	B	2910	57.7	B	
F20	I-580 EB	San Ramon/ Foothill	I-680	Plea	0.71	E	4	3662	63.6	A	-	-	-	[3]
F21	I-580 EB	I-680	Hopyard	Plea	0.87	E	6	3781	65.4	A	-	-	-	[3]
F22	I-580 EB	Hopyard	Santa Rita	Plea	1.9	E	6	3900	65.4	A	-	-	-	[3]
F23	I-580 EB	Santa Rita	El Charro	Uninc-Pleas	1.25	E	6	3900	66.1	A	-	-	-	[3]
F24	I-580 EB	El Charro	SR 84/Airway Blvd.	Uninc	1.72	E	6	3900	65.6	A	-	-	-	[3]
F25	I-580 EB	SR 84/Airway Blvd.	Portola	Liv	1.73	E	5	3900	65.4	A	-	-	-	[3]
F26	I-580 - EB	Portola	1st St	Liv	2.56	E	5	3900	66.1	A	-	-	-	[3]
F27	I-580 - EB	1st St	Greenville	Liv	2.13	E	6	3900	61.7	A	-	-	-	[3]
F28	I-580 - EB	Greenville	N.Flynn	Uninc	2.73	E	4	3543	63.4	A	2786	64.2	A	
F29	I-580 - EB	N.Flynn	Grant Line	Uninc	4.32	E	4	3067	67.3	A	2795	67.7	A	
F30	I-580 - EB	Grant Line	I-205 (SJ Co) Off	Uninc	0.87	E	5	3737	65.9	A	3199	66.2	A	

Table B-2: 2016 LOS Monitoring Results for Freeways (Tier 1) - AM Peak Period (INRIX data)

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	# Lanes	2014 results			2016 results			Note
		From	To					Sample	Speed	LOS	Sample	Speed	LOS	
F31	I-580 - WB	I-205 (SJ Co)	Grant Line	Uninc	0.72	E	5	3514	48.9	D	3367	26.7	(F30)	
F32	I-580 - WB	Grant Line	N Flynn	Uninc	4.59	E	4	3424	39.7	E	2563	34.8	E	
F33	I-580 - WB	N Flynn	Greenville Rd	Liv - Uninc	2.43	E	5	3666	34.6	E	2908	53.5	C	
F34	I-580 - WB	Greenville Rd	1st St	Liv	2.21	E	4	3547	23.5	(F30)	-	-	-	[3]
F35	I-580 - WB	1st St	Portola Ave	Liv	2.56	E	4	3781	26.5	(F30)	-	-	-	[3]
F36	I-580 - WB	Portola	SR 84/Airway Blvd	Liv	1.73	E	4	3781	27.1	(F30)	-	-	-	[3]
F37	I-580 - WB	SR 84/Airway Blvd	Fallon Rd/El Charro	Liv - Uninc	1.73	E	4	3664	35.0	E	-	-	-	[3]
F38	I-580 - WB	Fallon Rd/El Charro	Tassajara	Plea	1.23	E	4	3664	42.6	D	-	-	-	[3]
F39	I-580 - WB	Tassajara Rd	I-680	Plea	2.78	E	4	3425	44.6	D	-	-	-	[3]
F40	I-580 - WB	I-680	San Ramon Rd	Plea	0.71	E	4	3425	61.3	A	-	-	-	[3]
F41	I-580 - WB	San Ramon Rd	Eden Caynon	Plea - Uninc	4.82	E	4	3308	64.3	A	3029	63.7	A	
F42	I-580 - WB	Eden Canyon	Center St	Uninc	2.5	E	4	3537	61.3	A	3275	62.7	A	
F43	I-580 - WB	Center	I-580/238	Uninc	2.26	C	5	3538	53.1	C	3267	53.4	C	
F44	I-580 - EB	I-80	I-980	Oak	1.27	N	5	3528	56.5	B	3384	57.5	B	
F45	I-580 - EB	I-980	Harrison	Oak	1.02	N	5	3759	63.8	A	3136	64.8	A	
F46	I-580 - EB	Harrison	Lakeshore	Oak	0.84	N	4	3765	66.3	A	3382	66.8	A	
F47	I-580 - EB	Lakeshore	Coolidge	Oak	2.21	N	5	3760	65.5	A	3265	66.2	A	
F48	I-580 - EB	Coolidge	SH 13 Off	Oak	2.2	N	4	3348	66.4	A	3363	67.5	A	
F49	I-580 - EB	SH 13 Off	MacArthur	Oak	4.08	N	4	3098	67.6	A	2558	68.6	A	
F50	I-580 - EB	MacArthur	I-580/238	San L - Uninc	3.78	C	4	3673	67.8	A	3033	66.2	A	
F51	I-580 - WB	I-238	Foothill/MacArthur	Uninc	3.86	C	4	3291	58.2	B	3030	43.9	D	
F52	I-580 - WB	Foothill/MacArthur	SH 13 Off	Oak	4.04	N	4	3656	36.9	E	2562	27.7	(F30)	
F53	I-580 - WB	SH 13 Off	Fruitvale	Oak	2.63	N	4	3412	29.4	(F30)	3384	23.9	(F30)	
F54	I-580 - WB	Fruitvale	Harrison	Oak	2.68	N	4	3539	45.5	D	3149	45.5	D	
F55	I-580 - WB	Harrison	SH 24 On-ramp	Oak	1.24	N	5	3658	41.2	D	3156	49.4	C	
F56	I-580 - WB	SH-24 On-ramp	I-80/580 Split	Oak	1.17	N	5	3646	24.3	(F30)	3069	24.6	(F30)	
F57	I-580 - EB	Central (County Line)	I-80 Jct	Alb	0.7	N	2	7	28.1	(F30)	3305	23.1	(F30)	[2]
F58	I-580 - WB	I-80 Jct	Central (County Line)	Alb	0.86	N	3	7	59.5	B	3304	60.8	A	[2]
F59	I-680 - NB	Scott Creek Rd	Rt 262/Mission	Fre	2.26	S	3	3772	65.0	A	3484	63.9	A	
F60	I-680 - NB	Rt 262/Mission	Durham Rd	Fre	1.62	S	3	3542	66.1	A	3245	66.3	A	

Appendix B | 2016 Level of Service Results

Table B-2: 2016 LOS Monitoring Results for Freeways (Tier 1) - AM Peak Period (INRIX data)

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	# Lanes	2014 results			2016 results			Note
		From	To					Sample	Speed	LOS	Sample	Speed	LOS	
F61	I-680 - NB	Durham Rd	Washington Blvd	Fre	1.3	S	3	3772	65.7	A	3273	65.8	A	
F62	I-680 - NB	Washington Blvd	Rt 238/Mission	Fre	1.14	S	3	3653	63.9	A	3152	63.8	A	
F63	I-680 NB	SR 238/Mission	Vargas Rd	Fre	1.1	S	4	3653	64.1	A	3504	63.5	A	
F64	I-680 NB	Vargas Rd	Andrade Rd	Uninc	2.21	S	4	3898	64.9	A	2905	65.9	A	
F65	I-680 NB	Andrade Rd	Calaveras	Uninc	1.15	S	3	3900	66.3	A	3140	65.9	A	
F66	I-680 NB	Calaveras	Rt.84/Vallecitos	Uninc	0.39	S	3	3900	65.4	A	3026	64.9	A	
F67	I-680 NB	SR 84	Sunol Blvd	Plea - Uninc	3.52	E	3	3898	67.5	A	3024	67.5	A	
F68	I-680 NB	Sunol Blvd.	Bernal Ave	Plea - Uninc	1.49	E	3	3897	67.6	A	3143	67.1	A	
F69	I-680 NB	Bernal Ave	Stoneridge Dr	Plea	2.53	E	3	3897	67.2	A	3023	63.6	A	
F70	I-680 NB	Stoneridge Dr	I-580	Plea	0.74	E	4	3900	61.1	A	2904	42.7	D	
F71	I-680 - NB	I-580	Alcosta	Dub	1.85	E	4	3663	52.9	C	2912	37.3	E	
F72	I-680 - SB	Alcosta	I-580	Dub	1.85	E	5	3900	62.4	A	2912	62.7	A	
F73	I-680 SB	I-580	Stoneridge Dr	Plea	0.73	E	4	3662	40.6	E	2904	39.9	E	
F74	I-680 SB	Stoneridge Dr	Bernal	Plea	2.54	E	3	3664	36.7	E	3023	31.0	E	
F75	I-680 SB	Bernal Ave.	Sunol Blvd	Uninc	1.49	E	3	3426	34.0	E	3143	30.6	E	
F76	I-680 SB	Sunol Blvd.	SR 84	Uninc	3.71	E	3	3900	42.8	D	3024	44.4	D	
F77	I-680 SB	SR 84 (Niles Canyon)	Andrade Rd	Uninc	1.33	S	4	3900	51.7	C	3026	56.4	B	
F78	I-680 SB	Andrade Rd	Sheridon Rd	Uninc	1.4	S	5	3898	50.8	C	3259	56.7	B	
F79	I-680 SB	Sheridon Rd	Vargas Rd	Uninc	0.81	S	4	3900	53.2	C	2905	58.9	B	
F80	I-680 SB	Vargas Rd	SR 238/Mission	Fre	1.11	S	4	3772	57.2	B	3504	62.4	A	
F81	I-680 - SB	Rt 238/Mission	Washington Blvd	Fre	1.14	S	4	3534	57.5	B	3152	60.5	A	
F82	I-680 - SB	Washington Blvd	Durham Rd	Fre	1.35	S	4	3305	43.9	D	3273	48.3	D	
F83	I-680 - SB	Durham Rd	Rt 262/Mission	Fre	1.63	S	4	3190	43.4	D	3265	45.7	D	
F84	I-680 - SB	Rt 262/Mission	Scott Creek Rd	Fre	2.25	S	4	3772	66.3	A	3504	66.2	A	
F85	I-880 - NB	Dix Landing	SR 262/Mission	Fre	2.09	S	6	3772	66.7	A	3504	67.5	A	
F86	I-880 - NB	SR 262/Mission	AutoMall Pkwy	Fre	2.43	S	4	3419	63.4	A	3384	65.3	A	[1]
F87	I-880 - NB	AutoMall Pkwy	Stevenson	Fre	1.53	S	4	3536	64.7	A	3504	64.4	A	[1]
F88	I-880 - NB	Stevenson	Decoto	Fre	4.06	S	4	3772	61.8	A	2444	63.8	A	[1]
F89	I-880 - NB	Decoto	Alvarado Blvd	Fre	1.17	S	4	3543	51.9	C	2795	60.5	A	[1]
F90	I-880 - NB	Alvarado Blvd	Alvarado-Niles Blvd	Fre- Uni Cty	1.57	S	4	3307	47.9	D	3028	58.6	B	[1]

Table B-2: 2016 LOS Monitoring Results for Freeways (Tier 1) - AM Peak Period (INRIX data)

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	# Lanes	2014 results			2016 results			Note
		From	To					Sample	Speed	LOS	Sample	Speed	LOS	
F91	I-880 - NB	Alv-Niles	Tennyson	Uni Cty - Hay	2.6	S	4	3191	38.9	E	2672	43.5	D	[1]
F92	I-880 - NB	Tennyson	SR 92	Hay	1.02	C	5	3539	49.4	C	2919	47.2	D	[1]
F93	I-880 - NB	SR 92	A St	Hay	1.68	C	5	3184	50.8	C	2680	45.8	D	[1]
F94	I-880 - NB	A St	I-238 (Marina before 06)	Uninc	1.95	C	5	3539	48.0	D	2911	38.8	E	[1]
F95	I-880 - NB	I-880/I238 (split)	Marina Blvd	San L	2.54	C	5	2945	28.5	(F30)	3182	23.2	(F30)	[1]
F96	I-880 - NB	Marina Blvd	SR 112/Davis	San L	0.82	C	4	3299	27.9	(F30)	3388	22.8	(F30)	[1]
F97	I-880 - NB	SR 112/Davis	Hegenberger	Oak - San L	1.83	C	4	3539	31.4	E	3273	24.4	(F30)	[1]
F98	I-880 - NB	Hegenberger	High/42nd	Oak	2.34	N	4	3656	24.3	(F30)	3145	19.7	(F20)	[1]
F99	I-880 - NB	High/42nd	23rd (1st on)	Oak	1.25	N	4	3195	26.5	(F30)	3384	24.9	(F30)	
F100	I-880 - NB	23RD (1ST on)	Jct 980 (off)	Oak	2.63	N	4	3305	45.0	D	3149	48.1	D	
F101	I-880 - NB	Jct 980 (off)	I-880/I-80 split	Oak	2.43	N	4	3652	63.1	A	3268	63.4	A	
F102	I-880 - NB	I-880/I-80 (split)	I-880/I-80 (merge)	Oak	1.44	N	4	3770	60.2	A	2953	60.3	A	
F103	I-880 - SB	I-880/I-80 split	I-880/I-80 merge	Oak	1.28	N	4	3773	56.9	B	3069	56.8	B	
F104	I-880 - SB	I-880/I-80 merge	Jct 980	Oak	2.51	N	4	3775	58.9	B	3033	65.3	A	
F105	I-880 - SB	I-980	23rd	Oak	2.74	N	5	3311	59.4	B	2909	55.3	B	
F106	I-880 - SB	23rd St	High/42nd	Oak	1.1	N	5	3775	60.0	A	3384	54.1	C	
F107	I-880 - SB	High/42nd	Hegenberger	Oak	2.36	N	4	3775	61.8	A	3145	62.2	A	[1]
F108	I-880 - SB	Hegenberger	SR 112/Davis	Oak - San L	1.82	N	4	3538	60.3	A	3273	63.9	A	[1]
F109	I-880 - SB	SR 112/Davis	Marina Blvd	San L	0.82	N	4	3656	52.1	C	3388	60.8	A	[1]
F110	I-880 - SB	Marina Blvd	SR 238 WB (merge)	Oak - San L	2.55	N	4	3537	39.8	E	3182	45.4	D	[1]
F111	I-880 - SB	I-238 (Marina before 06)	A St	Uninc	1.91	C	5	3182	22.4	(F30)	2911	25.0	(F30)	[1]
F112	I-880 - SB	A St	Rt 92	Hay	1.7	C	5	3537	29.6	(F30)	2680	25.5	(F30)	[1]
F113	I-880 - SB	Rt 92	Tennyson	Hay	1.01	C	5	3421	28.0	(F30)	2919	23.4	(F30)	[1]
F114	I-880 - SB	Tennyson	Alv-Niles	Hay - Uni Cty	2.6	C	4	2954	27.2	(F30)	2672	22.9	(F30)	[1]
F115	I-880 - SB	Alvarado-Niles	Alvarado	Uni Cty - Fre	1.56	C	4	3424	24.8	(F30)	3028	25.2	(F30)	[1]
F116	I-880 - SB	Alvarado	Decoto	Fre	1.19	C	4	3424	29.1	(F30)	2911	28.6	(F30)	[1]
F117	I-880 - SB	Decoto	Stevenson	Fre	4.06	S	4	3308	29.8	(F30)	2560	30.3	E	[1]
F118	I-880 - SB	Stevenson	AutoMall Pkwy	Fre	1.52	C	4	3653	40.3	E	3504	43.6	D	[1]
F119	I-880 - SB	AutoMall Pkwy	Rt 262/Mission	Fre	2.83	C	4	3536	42.5	D	3384	47.5	D	[1]
F120	I-880 - SB	SR 262/Mission	Dix Landing(off)	Fre	1.69	S	4	3772	54.1	C	3504	46.1	D	

Appendix B | 2016 Level of Service Results

Table B-2: 2016 LOS Monitoring Results for Freeways (Tier 1) - AM Peak Period (INRIX data)

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	# Lanes	2014 results			2016 results			Note
		From	To					Sample	Speed	LOS	Sample	Speed	LOS	
F121	I-980 - WB	SR 24 @ 580	I-880	Oak	2.49	N	4	3775	59.5	B	2681	59.9	B	
F122	I-980 - EB	I-880	SR 24 @ 580	Oak	2.44	N	4	3656	61.1	A	3036	62.0	A	
F123	SR 13 - NB	Mountain On	Carson/Redwood (1) (off)	Oak	1.27	N	2	3259	55.3	B	3403	39.2	E	
F124	SR 13 - NB	Carson/Redwood (1) (off)	Joaquin Miller	Oak	1.08	N	2	3371	47.5	D	3444	30.0	E	
F125	SR 13 - NB	Joa Miller/Linc	Moraga Ave	Oak	1.83	N	2	3182	40.5	E	3359	31.9	E	
F126	SR 13 - NB	Moraga Ave	Hiller (Sig)	Oak	1.63	N	2	1776	33.8	E	2402	33.9	E	
F127	SR 13 - SB	Hiller Sig	Moraga Ave	Oak	1.6	N	2	753	54.0	C	933	53.7	C	
F128	SR 13 - SB	Moraga Ave	Joa Miller/Linc	Oak	1.85	N	2	3025	62.8	A	3008	62.9	A	
F129	SR 13 - SB	Joaq Miller/Lincoln	Redwood	Oak	1.07	N	2	3221	64.1	A	3117	66.0	A	
F130	SR 13 - SB	Redwood	Jct I-580 (EB Merge)	Oak	1.4	N	2	3130	56.5	B	3066	57.4	B	
F131	SR 24 - EB	Jct I-580 (on)	Broadway/SR 13	Oak	1.84	N	4	3775	62.8	A	3388	64.3	A	
F132	SR 24 - EB	Broadway/SR 13	Caldecott (enter)	Oak	1.65	N	4	3538	54.5	C	3384	58.8	B	
F133	SR 24 - EB	Caldecott (enter)	Fish Ranch Road	Oak	1.04	N	4	3506	46.0	D	2683	53.0	C	
F134	SR 24 - WB	Fish Ranch Road (CC)	Caldecott (exit)	Oak	0.99	N	4	2603	48.7	D	3362	55.0	B	
F135	SR 24 - WB	Caldecott (exit)	Broadway	Oak	1.73	N	4	3537	52.6	C	3362	60.2	A	
F136	SR 24 - WB	Broadway	Jct I-580 (on)	Oak	1.86	N	4	3656	43.0	D	3504	53.3	C	
F137	SR 84 - EB	San M CL	Toll Plaza	Fre	3.29	S	3	3765	64.7	A	3385	65.4	A	
F138	SR 84 - EB	Toll Plaza	Thornton	Fre	0.54	S	3	3762	63.5	A	3378	67.1	A	
F139	SR 84 - EB	Thornton Ave/Pascon Padre	Newark Blvd/Ardenwood Blvd	New	1.16	S	3	3696	63.1	A	3165	64.4	A	
F140	SR 84 - EB	Newark Blvd/Ardenwood Blvd	I-880 NB (off)	New	1.2	S	2	3703	45.6	D	3119	49.6	C	
F141	SR 84 - WB	I-880 NB (off)	Ardenwood/Newark	New	1.21	S	3	3772	39.3	E	3386	37.2	E	
F142	SR 84 - WB	Ardenwood/Newark	Paseo Padre Pkwy	New	1.15	S	3	3757	36.7	E	3384	29.0	(F30)	
F143	SR 84 - WB	Paseo Padre Pkwy	Toll Gate	Fre	0.54	S	3	3649	29.8	(F30)	3386	22.3	(F30)	
F144	SR 84 - WB	Toll Plaza	San M CL	Fre	3.29	C	3	3653	44.1	D	3386	32.2	E	
F145	SR 92 - EB	San M CL	Toll Plaza	Hay	2.78	C	3	3752	66.0	A	3271	67.2	A	
F146	SR 92 - EB	Toll Plaza	Clawiter	Hay	1.87	C	3	3724	65.7	A	3009	67.1	A	[1]
F147	SR 92 - EB	Clawiter	I-880	Hay	2.07	C	4	2668	58.2	B	1737	58.7	B	[1]
F148	SR 92 - WB	I-880	Clawiter	Hay	2.05	C	4	3536	30.5	E	2916	21.6	(F30)	[1]
F149	SR 92 - WB	Clawiter	Toll Plaza	Hay	1.88	C	4	2954	25.4	(F30)	3038	20.2	(F30)	[1]
F150	SR 92 - WB	Toll Plaza	San M CL	Hay	2.79	C	3	2954	43.5	D	3274	39.9	E	

Notes

[1] Data impacted by long term construction and recurrent lane closures

[2] Monitored in 2014 with floating car surveys

[3] Express Lane Ramp Up Period

Table B-3: 2016 LOS Monitoring Results for Freeways (Tier 1) – Weekend Midday Peak Period (INRIX data)

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	# Lanes	2014 results			2016 results			Note
		From	To					Sample	Speed	LOS	Sample	Speed	LOS	
F1	I-80 - EB	SF County Line	Toll Plaza	Oak	2.01	N	5	3092	58.5	B	2397	58.1	B	
F2	I-80 - EB	Toll Plaza	I-580 SB Merge	Oak	1.3	N	6	3092	48.2	D	2387	41.6	D	
F3	I-80 - EB	I-80/I-580 (Merge)	Powell	Emery	0.54	N	6	3092	21.8	(F30)	2397	21.2	(F30)	
F4	I-80 - EB	Powell	Ashby	Emery - Berk	0.72	N	6	3092	21.6	(F30)	2397	21.5	(F30)	
F5	I-80 - EB	Ashby	University	Berk	1.3	N	5	3092	38.4	E	2397	37.6	E	
F6	I-80 - EB	University	Jct I-580 (off)	Berk - Alb	1.37	N	5	3092	58.8	B	2397	57.5	B	
F7	I-80 - EB	Jct I-580 (off)	Central (County Line)	Alb	0.84	N	4	3092	60.9	A	2393	63.5	A	
F8	I-80 - WB	Central (County Line)	Jct I-580	Alb	0.7	N	4	3092	26.0	(F30)	2397	25.7	(F30)	
F9	I-80 - WB	Jct I-580	University	Berk - Alb	1.51	N	6	3088	22.7	(F30)	2397	21.1	(F30)	
F10	I-80 - WB	University	Ashby	Berk	1.31	N	5	3092	27.3	(F30)	2397	24.6	(F30)	
F11	I-80 - WB	Ashby	Powell	Emery	0.71	N	5	2526	23.7	(F30)	2397	22.6	(F30)	
F12	I-80 - WB	Powell	I-80/I-580 (Split)	Emery	0.47	N	6	2748	34.7	E	2397	28.1	(F30)	
F13	I-80 - WB	I-580 Split	Toll Plaza	Oak	1.31	N	8	2933	24.9	(F30)	2393	14.3	(F20)	
F14	I-80 - WB	Toll Plaza	SF County	Oak	2.01	N	4	3078	31.8	E	2397	27.9	(F30)	
F15	I-238 - EB	I-880	I-580	Uninc-San L	2.59	C	3	2940	60.5	A	2395	57.7	B	
F16	I-238 - WB	I-580	I-880	Uninc-San L	2.48	C	3	2496	42.6	D	2328	41.4	D	
F17	I-580 - EB	I-580/I-238 changed fm (I-238/Fthl Off)	Grove	Uninc	2.68	C	5	3092	61.1	A	2389	56.8	B	
F18	I-580 EB	Grove	Eden Canyon	Uninc - Plea	2.19	E	4	3092	54.7	C	2397	54.5	C	
F19	I-580 EB	Eden Canyon	San Ramon/ Foothill	Uninc - Plea	4.82	E	4	3092	52.0	C	2397	63.6	A	
F20	I-580 EB	San Ramon/ Foothill	I-680	Plea	0.71	E	4	3092	66.3	A	-	-	-	[3]
F21	I-580 EB	I-680	Hopyard	Plea	0.87	E	6	3092	67.6	A	-	-	-	[3]
F22	I-580 EB	Hopyard	Santa Rita	Plea	1.9	E	6	3092	67.1	A	-	-	-	[3]
F23	I-580 EB	Santa Rita	El Charro	Uninc-Pleas	1.25	E	6	3092	68.9	A	-	-	-	[3]
F24	I-580 EB	El Charro	SR 84/Airway Blvd.	Uninc	1.72	E	6	3092	69.3	A	-	-	-	[3]
F25	I-580 EB	SR 84/Airway Blvd.	Portola	Liv	1.73	E	5	3092	68.8	A	-	-	-	[3]

Appendix B | 2016 Level of Service Results

Table B-3: 2016 LOS Monitoring Results for Freeways (Tier 1) – Weekend Midday Peak Period (INRIX data)

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	# Lanes	2014 results			2016 results			Note
		From	To					Sample	Speed	LOS	Sample	Speed	LOS	
F26	I-580 - EB	Portola	1st St	Liv	2.56	E	5	3092	69.6	A	-	-	-	[3]
F27	I-580 - EB	1st St	Greenville	Liv	2.13	E	6	3092	69.2	A	-	-	-	[3]
F28	I-580 - EB	Greenville	N.Flynn	Uninc	2.73	E	4	3076	65.1	A	2397	46.6	D	
F29	I-580 - EB	N.Flynn	Grant Line	Uninc	4.32	E	4	3074	69.9	A	2397	64.2	A	
F30	I-580 - EB	Grant Line	I-205 (SJ Co) Off	Uninc	0.87	E	5	3016	68.7	A	2159	65.4	A	
F31	I-580 - WB	I-205 (SJ Co)	Grant Line	Uninc	0.72	E	5	2453	65.8	A	1860	65.0	A	
F32	I-580 - WB	Grant Line	N Flynn	Uninc	4.59	E	4	3045	66.5	A	2397	58.3	B	
F33	I-580 - WB	N Flynn	Greenville Rd	Liv - Uninc	2.43	E	5	3092	68.8	A	2397	68.6	A	
F34	I-580 - WB	Greenville Rd	1st St	Liv	2.21	E	4	3092	66.6	A	-	-	-	[3]
F35	I-580 - WB	1st St	Portola Ave	Liv	2.56	E	4	3092	58.8	B	-	-	-	[3]
F36	I-580 - WB	Portola	SR 84/Airway Blvd	Liv	1.73	E	4	3092	48.5	D	-	-	-	[3]
F37	I-580 - WB	SR 84/Airway Blvd	Fallon Rd/El Charro	Liv - Uninc	1.73	E	4	3092	49.2	C	-	-	-	[3]
F38	I-580 - WB	Fallon Rd/El Charro	Tassajara	Plea	1.23	E	4	3092	50.2	C	-	-	-	[3]
F39	I-580 - WB	Tassajara Rd	I-680	Plea	2.78	E	4	3092	38.6	E	-	-	-	[3]
F40	I-580 - WB	I-680	San Ramon Rd	Plea	0.71	E	4	3092	64.4	A	-	-	-	[3]
F41	I-580 - WB	San Ramon Rd	Eden Caynon	Plea - Uninc	4.82	E	4	3092	67.7	A	2397	68.1	A	
F42	I-580 - WB	Eden Canyon	Center St	Uninc	2.5	E	4	3092	68.1	A	2397	68.7	A	
F43	I-580 - WB	Center	I-580/238	Uninc	2.26	C	5	3092	65.7	A	2363	66.2	A	
F44	I-580 - EB	I-80	I-980	Oak	1.27	N	5	3086	55.6	B	2396	54.7	C	
F45	I-580 - EB	I-980	Harrison	Oak	1.02	N	5	3092	62.4	A	2397	61.3	A	
F46	I-580 - EB	Harrison	Lakeshore	Oak	0.84	N	4	3092	64.3	A	2395	62.8	A	
F47	I-580 - EB	Lakeshore	Coolidge	Oak	2.21	N	5	3092	64.2	A	2393	63.2	A	
F48	I-580 - EB	Coolidge	SH 13 Off	Oak	2.2	N	4	2909	66.6	A	2370	66.1	A	
F49	I-580 - EB	SH 13 Off	MacArthur	Oak	4.08	N	4	2881	67.6	A	2383	67.0	A	
F50	I-580 - EB	MacArthur	I-580/238	San L - Uninc	3.78	C	4	2829	67.3	A	2386	65.3	A	
F51	I-580 - WB	I-238	Foothill/MacArthur	Uninc	3.86	C	4	2789	68.1	A	2371	68.1	A	
F52	I-580 - WB	Foothill/MacArthur	SH 13 Off	Oak	4.04	N	4	2874	67.2	A	2350	66.5	A	
F53	I-580 - WB	SH 13 Off	Fruitvale	Oak	2.63	N	4	3061	67.8	A	2369	64.2	A	
F54	I-580 - WB	Fruitvale	Harrison	Oak	2.68	N	4	3092	64.4	A	2387	62.1	A	
F55	I-580 - WB	Harrison	SH 24 On-ramp	Oak	1.24	N	5	3092	46.8	D	2397	48.1	D	

Table B-3: 2016 LOS Monitoring Results for Freeways (Tier 1) – Weekend Midday Peak Period (INRIX data)

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	# Lanes	2014 results			2016 results			Note
		From	To					Sample	Speed	LOS	Sample	Speed	LOS	
F56	I-580 - WB	SH-24 On-ramp	I-80/580 Split	Oak	1.17	N	5	3083	25.0	(F30)	2397	25.1	(F30)	
F57	I-580 - EB	Central (County Line)	I-80 Jct	Alb	0.7	N	2	6	45.8	D	2384	37.8	E	[2]
F58	I-580 - WB	I-80 Jct	Central (County Line)	Alb	0.86	N	3	2944	31.2	E	2344	58.8	B	[2]
F59	I-680 - NB	Scott Creek Rd	Rt 262/Mission	Fre	2.26	S	3	3092	64.8	A	2393	59.1	B	
F60	I-680 - NB	Rt 262/Mission	Durham Rd	Fre	1.62	S	3	3092	61.5	A	2393	41.7	D	
F61	I-680 - NB	Durham Rd	Washington Blvd	Fre	1.3	S	3	3092	56.8	B	2397	37.4	E	
F62	I-680 - NB	Washington Blvd	Rt 238/Mission	Fre	1.14	S	3	3092	58.6	B	2396	47.2	D	
F63	I-680 NB	SR 238/Mission	Vargas Rd	Fre	1.1	S	4	3026	62.0	A	2397	61.7	A	
F64	I-680 NB	Vargas Rd	Andrade Rd	Uninc	2.21	S	4	2963	65.0	A	2397	66.2	A	
F65	I-680 NB	Andrade Rd	Calaveras	Uninc	1.15	S	3	3002	64.9	A	2397	64.4	A	
F66	I-680 NB	Calaveras	Rt.84/Vallecitos	Uninc	0.39	S	3	2976	65.3	A	2397	63.5	A	
F67	I-680 NB	SR 84	Sunol Blvd	Plea - Uninc	3.52	E	3	2956	68.4	A	2389	63.7	A	
F68	I-680 NB	Sunol Blvd.	Bernal Ave	Plea - Uninc	1.49	E	3	2984	67.3	A	2394	55.6	B	
F69	I-680 NB	Bernal Ave	Stoneridge Dr	Plea	2.53	E	3	2994	65.6	A	2394	61.3	A	
F70	I-680 NB	Stoneridge Dr	I-580	Plea	0.74	E	4	3092	62.7	A	2394	63.7	A	
F71	I-680 - NB	I-580	Alcosta	Dub	1.85	E	4	3092	63.4	A	2397	66.8	A	
F72	I-680 - SB	Alcosta	I-580	Dub	1.85	E	5	3092	68.9	A	2397	69.1	A	
F73	I-680 SB	I-580	Stoneridge Dr	Plea	0.73	E	4	3092	66.6	A	2397	65.1	A	
F74	I-680 SB	Stoneridge Dr	Bernal	Plea	2.54	E	3	3070	67.8	A	2392	66.5	A	
F75	I-680 SB	Bernal Ave.	Sunol Blvd	Uninc	1.49	E	3	3065	67.3	A	2392	66.2	A	
F76	I-680 SB	Sunol Blvd.	SR 84	Uninc	3.71	E	3	3058	67.6	A	2397	67.7	A	
F77	I-680 SB	SR 84 (Niles Canyon)	Andrade Rd	Uninc	1.33	S	4	3065	67.6	A	2397	67.3	A	
F78	I-680 SB	Andrade Rd	Sheridon Rd	Uninc	1.4	S	5	3074	62.1	A	2397	64.0	A	
F79	I-680 SB	Sheridon Rd	Vargas Rd	Uninc	0.81	S	4	3073	65.7	A	2397	65.8	A	
F80	I-680 SB	Vargas Rd	SR 238/Mission	Fre	1.11	S	4	3074	68.9	A	2397	68.5	A	
F81	I-680 - SB	Rt 238/Mission	Washington Blvd	Fre	1.14	S	4	3092	69.1	A	2397	68.9	A	
F82	I-680 - SB	Washington Blvd	Durham Rd	Fre	1.35	S	4	3092	64.6	A	2397	67.9	A	
F83	I-680 - SB	Durham Rd	Rt 262/Mission	Fre	1.63	S	4	3092	58.3	B	2376	54.9	C	
F84	I-680 - SB	Rt 262/Mission	Scott Creek Rd	Fre	2.25	S	4	3092	67.6	A	2374	68.7	A	
F85	I-880 - NB	Dix Landing	SR 262/Mission	Fre	2.09	S	6	3092	67.9	A	2394	67.8	A	

Appendix B | 2016 Level of Service Results

Table B-3: 2016 LOS Monitoring Results for Freeways (Tier 1) – Weekend Midday Peak Period (INRIX data)

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	# Lanes	2014 results			2016 results			Note
		From	To					Sample	Speed	LOS	Sample	Speed	LOS	
F86	I-880 - NB	SR 262/Mission	AutoMall Pkwy	Fre	2.43	S	4	3092	66.1	A	2393	64.8	A	
F87	I-880 - NB	AutoMall Pkwy	Stevenson	Fre	1.53	S	4	3092	64.9	A	2397	62.4	A	
F88	I-880 - NB	Stevenson	Decoto	Fre	4.06	S	4	3092	66.4	A	2397	63.3	A	
F89	I-880 - NB	Decoto	Alvarado Blvd	Fre	1.17	S	4	3092	64.1	A	2397	52.9	C	
F90	I-880 - NB	Alvarado Blvd	Alvarado-Niles Blvd	Fre- Uni Cty	1.57	S	4	3092	59.9	B	2397	48.6	D	
F91	I-880 - NB	Alv-Niles	Tennyson	Uni Cty - Hay	2.6	S	4	3092	49.5	C	2397	40.5	E	
F92	I-880 - NB	Tennyson	SR 92	Hay	1.02	C	5	3088	57.9	B	2397	47.4	D	
F93	I-880 - NB	SR 92	A St	Hay	1.68	C	5	3092	56.5	B	2397	45.7	D	
F94	I-880 - NB	A St	I-238 (Marina before 06)	Uninc	1.95	C	5	3092	57.8	B	2397	53.2	C	
F95	I-880 - NB	I-880/I238 (split)	Marina Blvd	San L	2.54	C	5	3092	64.1	A	2397	60.4	A	
F96	I-880 - NB	Marina Blvd	SR 112/Davis	San L	0.82	C	4	3092	62.5	A	2397	55.9	B	
F97	I-880 - NB	SR 112/Davis	Hegenberger	Oak - San L	1.83	C	4	3092	61.4	A	2397	55.7	B	
F98	I-880 - NB	Hegenberger	High/42nd	Oak	2.34	N	4	3092.0	57.5	B	2397	53.8	C	
F99	I-880 - NB	High/42nd	23rd (1st on)	Oak	1.25	N	4	3092.0	58.9	B	2397	57.5	B	
F100	I-880 - NB	23RD (1ST on)	Jct 980 (off)	Oak	2.63	N	4	3090	58.5	B	2394	59.4	B	
F101	I-880 - NB	Jct 980 (off)	I-880/I-80 split	Oak	2.43	N	4	3092	63.1	A	2385	61.7	A	
F102	I-880 - NB	I-880/I-80 (split)	I-880/I-80 (merge)	Oak	1.44	N	4	3092	45.6	D	2386	38.6	E	
F103	I-880 - SB	I-880/I-80 split	I-880/I-80 merge	Oak	1.28	N	4	3092	58.5	B	2397	55.8	B	
F104	I-880 - SB	I-880/I-80 merge	Jct 980	Oak	2.51	N	4	3092	61.9	A	2395	64.9	A	
F105	I-880 - SB	I-980	23rd	Oak	2.74	N	5	3092	54.0	C	2397	54.2	C	
F106	I-880 - SB	23rd St	High/42nd	Oak	1.1	N	5	3092	50.8	C	2397	46.4	D	
F107	I-880 - SB	High/42nd	Hegenberger	Oak	2.36	N	4	3092	49.1	C	2397	47.1	D	
F108	I-880 - SB	Hegenberger	SR 112/Davis	Oak - San L	1.82	N	4	3092	51.0	C	2397	62.9	A	
F109	I-880 - SB	SR 112/Davis	Marina Blvd	San L	0.82	N	4	3092	60.1	A	2397	63.0	A	
F110	I-880 - SB	Marina Blvd	SR 238 WB (merge)	Oak - San L	2.55	N	4	3092	59.9	B	2397	59.7	B	
F111	I-880 - SB	I-238 (Marina before 06)	A St	Uninc	1.91	C	5	3092	52.7	C	2397	37.9	E	
F112	I-880 - SB	A St	Rt 92	Hay	1.7	C	5	3092	55.9	B	2397	46.2	D	
F113	I-880 - SB	Rt 92	Tennyson	Hay	1.01	C	5	3092	57.4	B	2397	45.7	D	
F114	I-880 - SB	Tennyson	Alv-Niles	Hay - Uni Cty	2.6	C	4	3092	58.5	B	2397	49.5	C	
F115	I-880 - SB	Alvarado-Niles	Alvarado	Uni Cty - Fre	1.56	C	4	3092	59.2	B	2397	51.7	C	

Table B-3: 2016 LOS Monitoring Results for Freeways (Tier 1) – Weekend Midday Peak Period (INRIX data)

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	# Lanes	2014 results			2016 results			Note
		From	To					Sample	Speed	LOS	Sample	Speed	LOS	
F116	I-880 - SB	Alvarado	Decoto	Fre	1.19	C	4	3092	51.8	C	2397	42.5	D	
F117	I-880 - SB	Decoto	Stevenson	Fre	4.06	S	4	3092	50.9	C	2397	44.7	D	
F118	I-880 - SB	Stevenson	AutoMall Pkwy	Fre	1.52	C	4	3092	65.4	A	2397	61.1	A	
F119	I-880 - SB	AutoMall Pkwy	Rt 262/Mission	Fre	2.83	C	4	3092	67.1	A	2396	65.5	A	
F120	I-880 - SB	SR 262/Mission	Dix Landing(off)	Fre	1.69	S	4	3092	67.9	A	2397	66.9	A	
F121	I-980 - WB	SR 24 @ 580	I-880	Oak	2.49	N	4	3092	61.3	A	2338	63.6	A	
F122	I-980 - EB	I-880	SR 24 @ 580	Oak	2.44	N	4	3092	62.1	A	2350	60.9	A	
F123	SR 13 - NB	Mountain On	Carson/Redwood (1) (off)	Oak	1.27	N	2	1781	61.5	A	1849	60.6	A	
F124	SR 13 - NB	Carson/Redwood (1) (off)	Joaguin Miller	Oak	1.08	N	2	2129	61.2	A	1845	61.9	A	
F125	SR 13 - NB	Joa Miller/Linc	Moraga Ave	Oak	1.83	N	2	2014	62.1	A	1828	61.3	A	
F126	SR 13 - NB	Moraga Ave	Hiller (Sig)	Oak	1.63	N	2	980	50.9	C	1338	47.2	D	
F127	SR 13 - SB	Hiller Sig	Moraga Ave	Oak	1.6	N	2	635	53.5	C	902	52.9	C	
F128	SR 13 - SB	Moraga Ave	Joa Miller/Linc	Oak	1.85	N	2	1895	62.1	A	1811	61.7	A	
F129	SR 13 - SB	Joaq Miller/Lincoln	Redwood	Oak	1.07	N	2	2057	65.2	A	1945	65.6	A	
F130	SR 13 - SB	Redwood	Jct I-580 (EB Merge)	Oak	1.4	N	2	1944	62.4	A	1857	60.8	A	
F131	SR 24 - EB	Jct I-580 (on)	Broadway/SR 13	Oak	1.84	N	4	3092	63.2	A	2370	63.9	A	
F132	SR 24 - EB	Broadway/SR 13	Caldecott (enter)	Oak	1.65	N	4	3092	58.4	B	2381	54.7	C	
F133	SR 24 - EB	Caldecott (enter)	Fish Ranch Road	Oak	1.04	N	4	2895	49.6	C	1969	44.9	D	
F134	SR 24 - WB	Fish Ranch Road (CC)	Caldecott (exit)	Oak	0.99	N	4	1390	55.1	B	2019	58.8	B	
F135	SR 24 - WB	Caldecott (exit)	Broadway	Oak	1.73	N	4	2982	62.5	A	2014	65.5	A	
F136	SR 24 - WB	Broadway	Jct I-580 (on)	Oak	1.86	N	4	3092	54.8	C	2389	59.3	B	
F137	SR 84 - EB	San M CL	Toll Plaza	Fre	3.29	S	3	3092	65.3	A	2355	65.3	A	
F138	SR 84 - EB	Toll Plaza	Thornton	Fre	0.54	S	3	3092	65.5	A	2293	66.4	A	
F139	SR 84 - EB	Thornton Ave/Pascon Padre	Newark Blvd/Ardenwood Blvd	New	1.16	S	3	3092	63.9	A	2178	64.7	A	
F140	SR 84 - EB	Newark Blvd/Ardenwood Blvd	I-880 NB (off)	New	1.2	S	2	2992	47.9	D	2136	46.0	D	
F141	SR 84 - WB	I-880 NB (off)	Ardenwood/Newark	New	1.21	S	3	1979	49.5	C	2211	47.5	D	
F142	SR 84 - WB	Ardenwood/Newark	Paseo Padre Pkwy	New	1.15	S	3	1933	64.0	A	2069	63.3	A	
F143	SR 84 - WB	Paseo Padre Pkwy	Toll Gate	Fre	0.54	S	3	3092	46.9	D	2316	47.9	D	
F144	SR 84 - WB	Toll Plaza	San M CL	Fre	3.29	C	3	2160	61.0	A	2360	61.2	A	
F145	SR 92 - EB	San M CL	Toll Plaza	Hay	2.78	C	3	2989	66.9	A	2380	66.1	A	

Appendix B | 2016 Level of Service Results

Table B-3: 2016 LOS Monitoring Results for Freeways (Tier 1) – Weekend Midday Peak Period (INRIX data)

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	# Lanes	2014 results			2016 results			Note
		From	To					Sample	Speed	LOS	Sample	Speed	LOS	
F146	SR 92 - EB	Toll Plaza	Clawiter	Hay	1.87	C	3	2933	67.2	A	2363	66.3	A	
F147	SR 92 - EB	Clawiter	I-880	Hay	2.07	C	4	2306	60.1	A	1392	58.4	B	
F148	SR 92 - WB	I-880	Clawiter	Hay	2.05	C	4	2878	63.4	A	2265	61.2	A	
F149	SR 92 - WB	Clawiter	Toll Plaza	Hay	1.88	C	4	3045	56.8	B	2387	53.8	C	
F150	SR 92 - WB	Toll Plaza	San M CL	Hay	2.79	C	3	3043	66.6	A	2387	65.2	A	

Notes

[1] Data impacted by long term construction and recurrent lane closures

[2] Monitored in 2014 with floating car surveys

[3] Express Lane Ramp Up Period

B.2 | Ramps and Special Segments (Tier 1)

Table B-4: 2016 LOS Monitoring Results for Ramps and Special Segments (Tier 1) - PM Peak Period (INRIX data)

CMP ID	CMP Route	Segment Limits		Jurisdiction	Plan Area	Length (mi)	No of lanes	Free flow speed	2014 Results			2016 Results			Note
		From	To						# Runs	Speed	LOS	# Runs	Speed	LOS	
R1	I-80/I-580 Interchange	I-80 SB	I-580 EB	Oak	N	0.4	2	38.0	3779	31.7	B	3679	28.5	C	
R2	I-80/I-580 Interchange	I-580 WB	I-80 NB	Oak	N	0.45	2	40.0	3774	23.8	E	3675	18.9	F	
R3	SR 24 WB/I-580 WB	SR 24 Off	I-580 On	Oak	N	0.77	2	Weaving	2690	36.9	N/A	7	49.8	N/A	[1]
R4	I-580/SR 24 Interchange	I-580 WB	SR-24 EB	Oak	N	0.53	2	45.0	3720	20.7	F	3352	17.5	F	
R5	I-580/SR 24 Interchange	SR-24 WB	I-580 EB	Oak	N	0.75	2	51.0	2400	30.7	D	3168	16.2	F	
R6	SR13/SR 24 Interchange	SR-13 NB	SR-24 EB	Oak	N	0.33	1	40.0	3558	12.0	F	3591	11.4	F	
R7	SR13/SR 24 Interchange	SR-24 WB	SR-13 SB	Oak	N	0.16	1	31.0	2382	42.8	A	3332	24.9	B	
R8	I-880/I-238 Interchange	I-880 SB	I-238 EB	San L	C	0.75	2	47.0	2480	44.4	A	2150	26.0	E	
R9	I-880/I-238 Interchange	I-238 WB	I-880 NB	San L	C	0.51	2	54.0	2454	55.8	A	2150	52.9	A	
R10	I-880/I-238 Interchange	I-880 NB	I-238 EB	San L	C	0.42	2	32.0	3750	28.4	B	3679	21.2	D	
R11	I-880/I-238 Interchange	I-238 WB	I-880 SB	San L	C	0.81	2	53.0	3774	51.4	A	3676	47.4	B	
R12	I-580 /I-238 Interchange	I-580 SB	I-238 WB	Hay	C	0.7	1	37.0	N/A - segment correction			3679	52.0	A	
R13	I-580 /I-238 Interchange	I-238 EB	I-580 NB	Hay	C	0.36	1	38.0	N/A - segment correction			3679	64.4	A	
R14	I-580/I-680 Interchange	I-580 EB	I-680 NB	Plea	E	0.52	1	35.0	3037	38.0	A	3285	33.6	A	
R15	I-580/I-680 Interchange	I-580 EB	I-680 SB	Plea	E	0.29	1	42.0	2082	44.4	A	2685	39.5	A	
R16	I-580/I-680 Interchange	I-680 NB	I-580 EB	Plea	E	0.92	2	63.8	3813	55.5	B	3666	53.8	B	
R17	I-580/I-680 Interchange	I-680 NB	I-580 WB	Plea	E	0.62	1	41.0	1453	39.9	A	2919	37.6	A	
R18	I-580/I-680 Interchange	I-580 WB	I-680 NB	Plea	E	0.42	2	51.5	3582	47.9	A	3550	50.1	A	
R19	I-580/I-680 Interchange	I-580 WB	I-680 SB	Plea	E	0.64	1	39.0	3420	34.1	B	3426	37.4	A	
R20	I-580/I-680 Interchange	I-680 SB	I-580 EB	Plea	E	1.22	2	68.1	3836	58.2	B	3630	58.1	B	
R21	I-580/I-680 Interchange	I-680 SB	I-580 WB	Plea	E	0.44	2	58.4	3633	53.7	A	3621	48.6	B	
R22	I-880/SR 260 Connection	I-880 SB	SR-260 WB	Oak	N	0.99	varies	32.0	6	15.4	F	6	16.6	E	[1]
R23	I-880/SR 260 Connection	SR-260 EB	I-880 NB	Oak	N	0.41	varies	35.0	6	15.8	F	6	17.2	F	[1]

[1] Conducted with Floating Car Surveys

Appendix B | 2016 Level of Service Results

Table B-5: 2016 LOS Monitoring Results for Ramps and Special Segments (Tier 1) - AM Peak Period (INRIX data)

CMP ID	CMP Route	Segment Limits		Jurisdiction	Plan Area	Length (mi)	# Lanes	Free Flow Speed	2014 Results			2016 Results			Note
		From	To						Sample	Speed	LOS	Sample	Speed	LOS	
R1	I-80/I-580 Interchange	I-80 SB	I-580 EB	Oak	N	0.4	2	38.0	3775	45.6	A	3619	46.1	A	
R2	I-80/I-580 Interchange	I-580 WB	I-80 NB	Oak	N	0.45	2	40.0	3765	34.1	B	3617	37.4	A	
R3	SR 24 WB/I-580 WB	SR 24 off	I-580 on	Oak	N	0.77	2	Weaving	3632	15.6	N/A	7	30.7	N/A	[1]
R4	I-580/SR 24 Interchange	I-580 WB	SR-24 EB	Oak	N	0.53	2	45.0	2490	55.8	A	2998	53.5	A	
R5	I-580/SR 24 Interchange	SR-24 WB	I-580 EB	Oak	N	0.75	2	51.0	2303	36.9	C	2914	42.7	B	
R6	SR13/SR 24 Interchange	SR-13 NB	SR-24 EB	Oak	N	0.33	1	40.0	2551	36.8	A	3065	43.9	A	
R7	SR13/SR 24 Interchange	SR-24 WB	SR-13 SB	Oak	N	0.16	1	31.0	2914	39.9	A	3219	37.3	A	
R8	I-880/I-238 Interchange	I-880 SB	I-238 EB	San L	C	0.75	2	47.0	3775	51.3	A	3608	50.0	A	
R9	I-880/I-238 Interchange	I-238 WB	I-880 NB	San L	C	0.51	2	54.0	3765	15.3	F	3619	13.0	F	
R10	I-880/I-238 Interchange	I-880 NB	I-238 EB	San L	C	0.42	2	32.0	3766	48.4	A	3619	46.8	A	
R11	I-880/I-238 Interchange	I-238 WB	I-880 SB	San L	C	0.81	2	53.0	3775	28.1	E	3619	29.6	E	
R12	I-580 /I-238 Interchange	I-580 SB	I-238 WB	Hay	C	0.7	1	37.0	N/A - Segment Correction			3619	45.6	A	
R13	I-580 /I-238 Interchange	I-238 EB	I-580 NB	Hay	C	0.36	1	38.0	N/A - Segment Correction			3619	64.7	A	
R14	I-580/I-680 Interchange	I-580 EB	I-680 NB	Plea	E	0.52	1	35.0	2958	37.5	A	3480	30.5	B	
R15	I-580/I-680 Interchange	I-580 EB	I-680 SB	Plea	E	0.29	1	42.0	2191	29.2	D	3081	21.5	E	
R16	I-580/I-680 Interchange	I-680 NB	I-580 EB	Plea	E	0.92	2	63.8	3774	58.0	A	3575	55.4	B	
R17	I-580/I-680 Interchange	I-680 NB	I-580 WB	Plea	E	0.62	1	41.0	2556	38.1	A	3340	33.8	B	
R18	I-580/I-680 Interchange	I-580 WB	I-680 NB	Plea	E	0.42	2	51.5	3866	45.9	B	3557	46.1	B	
R19	I-580/I-680 Interchange	I-580 WB	I-680 SB	Plea	E	0.64	1	39.0	3898	20.0	E	3594	16.3	F	
R20	I-580/I-680 Interchange	I-680 SB	I-580 EB	Plea	E	1.22	2	68.1	3703	61.8	A	3556	61.8	A	
R21	I-580/I-680 Interchange	I-680 SB	I-580 WB	Plea	E	0.44	2	58.4	3725	57.2	A	3555	58.5	A	
R22	I-880/SR 260 Connection	I-880 SB	SR-260 WB	Oak	N	0.99	varies	32.0	6	22.8	C	6	39.0	A	[1]
R23	I-880/SR 260 Connection	SR-260 EB	I-880 NB	Oak	N	0.41	varies	35.0	6	14.6	F	6	4.3	F	[1]

[1] Conducted with Floating Car Surveys

B.3 | Arterials (Tier 1)

Table B-6: 2016 LOS Monitoring Results for Arterials (Tier 1) - PM Peak Period (Floating Car Surveys)

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Arterial Class	Plan Area	# Lanes	2014 Results			2016 Results			Note
		From	To						# Runs	Speed	LOS	# Runs	Speed	LOS	
A1	150th St - EB	Hesperian	I-580	San L	0.49	II	C	2	6	12.5	E	6	13.0	E	
A2	150th St - WB	I-580	Hesperian	San L	0.49	II	C	2	6	13.4	E	6	12.9	E	
A3	A Street - EB	I-880	Western	Hay	1.08	II	C	2	9	20.8	C	6	21.7	C	
A4	A Street - EB	Western	SR 185 (previously SR 238)	Hay	0.31	III	C	2	9	14.7	C	6	11.9	D	
A5	A Street - WB	SR 238	Western	Hay	0.54	III	C	2	6	10.7	D	6	17.2	C	
A6	A Street - WB	Western	I-880	Hay	1.07	II	C	2	6	20.6	C	6	19.1	C	
A7	Atlantic - EB	Main	Webster	Ala	0.81	II	N	2	6	20.6	C	6	23.3	C	
A8	Atlantic - WB	Webster	Main	Ala	0.81	II	N	2	6	22.1	C	6	23.4	C	
A9	Hegenberger - EB	SR 61	Edgewater	Oak	0.77	I	N	3	6	16.5	E	6	24.2	C	
A10	Hegenberger - EB	Edgewater	Baldwin	Oak	0.73	I	N	3	6	21.6	D	6	24.7	C	
A11	Hegenberger - EB	Baldwin	E 14th	Oak	1.02	I	N	3	6	22.1	C	6	25.3	C	
A12	Hegenberger - WB	E 14th	Baldwin	Oak	1.02	I	N	3	6	17.7	D	6	24.7	C	
A13	Hegenberger - WB	Baldwin	Edgewater	Oak	0.72	I	N	3	6	18.2	D	6	21.9	D	
A14	Hegenberger - WB	Edgewater	SR 61	Oak	0.77	I	N	3	6	20.2	D	6	22.6	C	
A15	Hesperian - NB	Tennyson	SH 92 - WB	Hay	0.49	I	C	3	7	13.8	E	8	13.5	E	
A16	Hesperian - NB	SH 92	La Playa	Hay	0.78	II	C	3	7	16.0	D	8	18.0	C	
A17	Hesperian - NB	La Playa	W.Winton Ave.	Hay	0.43	II	C	3	7	7.0	F	8	4.1	F	
A18	Hesperian - NB	W.Winton Ave	A St	Hay	0.97	II	C	3	7	18.5	C	8	22.4	C	
A19	Hesperian - NB	A St	Hacienda	Uninc	0.67	II	C	3	7	21.9	C	8	16.1	D	
A20	Hesperian - NB	Hacienda	Grant	Uninc	0.66	II	C	3	7	20.3	C	8	22.9	C	
A21	Hesperian - NB	Grant	Llewelling	Uninc	0.27	II	C	3	7	10.2	E	8	9.8	F	
A22	Hesperian - NB	Llewelling	Springlake	Uninc	0.39	II	C	3	7	17.1	D	8	19.1	C	
A23	Hesperian - NB	Springlake	Fairmont	San L	0.66	II	C	3	7	16.3	D	8	10.7	E	
A24	Hesperian - NB	Fairmont	14th	San L	0.31	II	C	2	7	10.1	E	8	12.9	E	
A25	Hesperian - SB	14th	Fairmont	San L	0.31	II	C	2	6	10.9	E	8	12.2	E	
A26	Hesperian - SB	Fairmont	Springlake	San L	0.66	II	C	3	6	19.1	C	8	14.1	D	
A27	Hesperian - SB	Springlake	Llewelling	Uninc	0.39	II	C	3	6	12.4	E	8	9.7	F	
A28	Hesperian - SB	Llewelling	Grant	Uninc	0.27	II	C	3	6	11.3	E	8	10.3	E	

Appendix B | 2016 Level of Service Results

Table B-6: 2016 LOS Monitoring Results for Arterials (Tier 1) - PM Peak Period (Floating Car Surveys)

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Arterial Class	Plan Area	# Lanes	2014 Results			2016 Results			Note
		From	To						# Runs	Speed	LOS	# Runs	Speed	LOS	
A29	Hesperian - SB	Grant	Hacienda	Uninc	0.66	II	C	3	6	21.5	C	8	28.4	B	
A30	Hesperian - SB	Hacienda	A St	Uninc	0.67	II	C	3	6	19.3	C	8	16.5	D	
A31	Hesperian - SB	A St	W.Winton Ave.	Hay	0.97	II	C	3	6	19.2	C	8	28.9	B	
A32	Hesperian - SB	W.Winton Ave	La Playa	Hay	0.43	II	C	3	6	18.1	C	8	14.6	D	
A33	Hesperian - SB	La Playa	SH 92	Hay	0.78	II	C	3	6	18.9	C	8	19.1	C	
A34	Hesperian - SB	SH 92 - WB	Tennyson	Hay	0.49	I	C	3	6	20.6	D	8	20.5	D	
A35	Mowry - EB	I-880	Farwell	Fre	0.28	II	S	3	7	26.1	B	6	13.7	E	
A36	Mowry - EB	Farwell	SH 84	Fre	2.48	II	S	3	7	23.0	C	6	18.4	C	
A37	Mowry - WB	SH 84	Farwell	Fre	2.53	II	S	3	7	21.0	C	6	19.4	C	
A38	Mowry - WB	Farwell	I-880	Fre	0.28	II	S	3	7	20.1	C	6	36.3	A	
A39	Park/23rd - EB	Encinal	Santa Clara	Ala	0.23	III	N	2	6	9.3	D	6	11.1	D	
A40	Park/23rd - EB	Santa Clara	Kennedy	Ala	0.68	III	N	2	6	14.0	C	6	13.6	C	
A41	Park/23rd - EB	Kennedy	E 11th	Oak	0.45	II	N	2	6	18.4	C	6	17.4	D	
A42	Park/23rd - WB	E 11th	Kennedy	Oak	0.45	II	N	2	6	15.8	D	6	22.9	C	
A43	Park/23rd - WB	Kennedy	Santa Clara	Ala	0.74	III	N	2	6	10.6	D	6	12.6	D	
A44	Park/23rd - WB	Santa Clara	Encinal	Ala	0.23	III	N	2	6	11.8	D	6	10.2	D	
A45	MLK Jr Way - NB	SH 24	Adeline	Oak	1.48	II	N	3	6	21.7	C	9	10.5	E	
A46	Adeline - NB	MLK Jr - South	MLK Jr - North	Berk	0.28	II	N	3	6	12.1	E	10	9.7	F	
A47	Adeline - NB	MLK Jr - North	Shattuck/Adeline	Berk	0.61	II	N	3	6	18.9	C	10	16.0	D	
A48	Shattuck NB	Shattuck/Adeline	Dwight	Berk	0.31	II	N	2	6	16.1	D	6	13.3	E	
A49	Shattuck NB	Dwight	University	Berk	0.57	III	N	2	6	15.0	C	6	12.9	D	
A50	Shattuck SB	University	Dwight	Berk	0.57	III	N	2	6	12.4	D	6	11.1	D	
A51	Shattuck SB	Dwight	Shattuck/Adeline	Berk	0.30	II	N	2	6	23.4	C	6	16.8	D	
A52	Adeline - SB	Shattuck/Adeline	MLK Jr - North	Berk	0.61	II	N	3	6	12.6	E	6	15.7	D	
A53	Adeline - SB	MLK Jr - North	MLK Jr - South	Berk	0.29	II	N	3	6	15.3	D	6	10.6	E	
A54	MLK Jr Way - SB	Adeline	SH 24	Oak	1.39	II	N	3	6	12.7	E	6	11.3	E	
A55	Tennyson - EB	Hesperian	I-880	Hay	0.86	I	C	2	8	14.2	E	6	19.2	D	
A56	Tennyson - EB	I-880 NB	Rt 238	Hay	1.54	II	C	2	8	10.7	E	6	20.9	C	
A57	Tennyson - WB	Rt 238	I-880	Hay	1.54	II	C	2	6	16.5	D	6	16.8	D	
A58	Tennyson - WB	I-880	Hesperian	Hay	0.86	I	C	2	6	27.3	C	6	24.2	C	

Table B-6: 2016 LOS Monitoring Results for Arterials (Tier 1) - PM Peak Period (Floating Car Surveys)

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Arterial Class	Plan Area	# Lanes	2014 Results			2016 Results			Note
		From	To						# Runs	Speed	LOS	# Runs	Speed	LOS	
A59	University - EB	I-80 SB	6th	Berk	0.40	II	N	2	6	19.6	C	6	26.4	B	
A60	University - EB	6th	San Pablo	Berk	0.32	II	N	2	6	11.5	E	6	10.4	E	
A61	University - EB	San Pablo	Sacramento	Berk	0.56	II	N	2	6	20.8	C	6	14.9	D	
A62	University - EB	Sacramento	ML King	Berk	0.49	II	N	2	6	17.5	D	6	14.7	D	
A63	University - EB	ML King	Shattuck Pl	Berk	0.29	III	N	2	6	21.5	B	6	15.2	C	
A64	University - WB	Shattuck Pl	ML King	Berk	0.29	III	N	2	7	8.6	E	6	13.8	C	
A65	University - WB	ML King	Sacramento	Berk	0.49	II	N	2	7	18.3	C	6	20.6	C	
A66	University - WB	Sacramento	San Pablo	Berk	0.56	II	N	2	7	10.3	E	6	13.3	E	
A67	University - WB	San Pablo	6th	Berk	0.32	II	N	2	7	7.6	F	6	8.1	F	
A68	University - WB	6th	I-80 SB	Berk	0.40	II	N	2	7	33.7	A	6	25.1	B	
A69	SR 13 Ashby - WB	Hiller	Domingo	Oak - Berk	0.81	II	N	1	6	21.8	C	6	21.9	C	
A70	SR 13 Ashby - WB	Domingo	College	Berk	0.52	III	N	2	6	20.9	B	6	17.5	C	
A71	SR 13 Ashby - WB	College	Telegraph	Berk	0.37	III	N	2	6	14.4	C	6	13.4	C	
A72	SR 13 Ashby - WB	Telegraph	Shattuck	Berk	0.38	III	N	2	6	12.3	D	6	11.3	D	
A73	SR 13 Ashby - WB	Shattuck	ML King	Berk	0.26	III	N	2	6	13.1	C	6	11.0	D	
A74	SR 13 Ashby - WB	ML King	San Pablo	Berk	0.86	III	N	2	6	12.3	D	6	13.9	C	
A75	SR 13 Ashby - WB	San Pablo	I-80 Ramps	Berk	0.64	II	N	2	6	11.8	E	6	18.0	D	
A76	SR 13 Ashby - EB	I-80	San Pablo	Berk	0.62	II	N	2	8	24.6	B	6	21.2	C	
A77	SR 13 Ashby - EB	San Pablo	ML King	Berk	0.86	III	N	2	8	17.0	C	6	19.7	B	
A78	SR 13 Ashby - EB	ML King	Shattuck	Berk	0.26	III	N	2	8	9.8	D	6	9.3	D	
A79	SR 13 Ashby - EB	Shattuck	Telegraph	Berk	0.38	III	N	2	8	13.2	C	6	18.2	C	
A80	SR 13 Ashby - EB	Telegraph	College	Berk	0.37	III	N	2	8	9.5	D	6	7.7	E	
A81	SR 13 Ashby - EB	College	Domingo	Berk	0.52	III	N	2	8	9.8	D	6	9.5	D	
A82	SR 13 Ashby - EB	Domingo	Hiller	Berk - Oak	0.81	II	N	1	8	13.3	E	6	19.9	C	
A83	SR 61 - SB	Atlantic	Cent/Webster	Ala	0.57	III	N	2	6	12.3	D	6	13.0	C	
A84	SR 61 - SB	Cent/Webster	Sher/Encino	Ala	0.74	II	N	2	6	15.3	D	6	18.4	C	
A85	SR 61 - SB	Sher/Encino	Park	Ala	1.20	II	N	2	6	17.9	D	6	21.1	C	
A86	SR 61 - SB	Park	High/Otis	Ala	1.05	II	N	2	6	16.2	D	6	17.4	D	
A87	SR 61 (Doolittle) - SB	High	Island Dr	Ala	0.44	II	N	2	6	18.9	C	6	22.1	C	
A88	SR 61 (Doolittle) - SB	Island Dr	Harbor Bay Pkwy	Ala	0.51	I	N	2	6	22.4	C	6	30.5	B	

Appendix B | 2016 Level of Service Results

Table B-6: 2016 LOS Monitoring Results for Arterials (Tier 1) - PM Peak Period (Floating Car Surveys)

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Arterial Class	Plan Area	# Lanes	2014 Results			2016 Results			Note
		From	To						# Runs	Speed	LOS	# Runs	Speed	LOS	
A89	SR 61 - SB	Harbor Bay	Airport Dr	Oak	2.17	I	N	2	6	32.5	B	6	31.4	B	
A90	SR 61 (Doolittle) - SB	Airport	Davis	Oak - San L	0.94	I	N	2	6	24.2	C	6	25.6	C	
A91	SR 61 (Doolittle) - NB	Davis	Airport	San L - Oak	0.94	I	C	2	6	27.2	C	6	25.5	C	
A92	SR 61 - NB	Airport Dr	Harbor Bay	Oak	2.17	I	N	2	6	31.4	B	6	37.7	A	
A93	SR 61 (Doolittle) - NB	Harbor Bay	Island Dr	Ala	0.51	I	N	2	6	29.0	B	6	32.8	A	
A94	SR 61 (Doolittle) - NB	Island Dr	High/Otis	Ala	0.44	II	N	2	6	19.6	C	6	16.3	D	
A95	SR 61 - NB	High/Otis	Park	Ala	1.05	II	N	2	6	18.4	C	6	17.5	D	
A96	SR 61 - NB	Park/Encinal	Sher/Cent	Ala	1.20	II	N	2	6	18.9	C	6	21.4	C	
A97	SR 61 - NB	Sher/Cent	Web/Cent	Ala	0.74	II	N	2	6	16.2	D	6	15.0	D	
A98	SR 61 - NB	Cent/Web	Atlantic	Ala	0.57	III	N	2	6	13.9	C	6	11.1	D	
A99	SR 77 (42nd) - EB	I-880 NB	E 14th	Oak	0.36	I	N	2	6	29.3	B	6	28.2	B	
A100	SR 77 (42nd) - WB	E 14 th	I-880 NB	Oak	0.36	I	N	2	6	26.8	C	6	30.8	B	
A101	Decoto - WB	SH 238/Mission	Union Square	Uni Cty	0.86	II	S	2	6	21.9	C	6	23.0	C	
A102	Decoto - WB	Union Square	Alv-Niles Rd	Uni Cty	0.24	II	S	2	6	12.6	E	6	8.0	F	
A103	Decoto - WB	Alv-Niles Rd	Fremont CL	Uni Cty	0.65	II	S	2	6	15.9	D	6	24.2	B	
A104	Decoto - WB	Fremont CL	I-880 NB (off)	Fre	1.15	II	S	2	6	26.5	B	6	24.8	B	
A105	Decoto - EB	I-880 NB (off)	Union City CL	Fre	1.15	II	S	2	6	14.9	D	6	19.0	C	
A106	Decoto - EB	Union City CL	Alv-Niles Rd	Uni Cty	0.66	II	S	2	6	20.8	C	8	12.8	E	
A107	Decoto - EB	Alv-Niles Rd	Union Square	Uni Cty	0.24	II	S	2	6	14.5	D	8	10.6	E	
A108	Decoto - EB	Union Square	SH 238/Mission	Uni Cty	0.85	II	S	2	6	15.5	D	6	18.1	C	
A109	SR 84/Mowry (Fre)-WB	SH 238	Peralta	Fre	0.81	I	S	2	6	28.5	B	6	26.6	C	
A110	SR 84/Peralta (Fre)-WB	Mowry	Fremont	Fre	1.66	I	S	1	6	32.0	B	6	25.7	C	
A111	SR 84/Fremont(Fre)-WB	Peralta	Thornton	Fre	0.33	II	S	2	6	25.8	B	8	9.3	F	
A112	SR 84/Thornton(Fre)-WB	Fremont	I-880 SB	Fre	1.26	II	S	3	6	16.3	D	6	23.5	C	
A113	SR 84/Thornton (Fre)-EB	I-880 SB	Fremont	Fre	1.26	II	S	3	6	22.6	C	6	22.9	C	
A114	SR 84/Fremont (Fre)-EB	Thornton	Peralta	Fre	0.32	II	S	2	6	18.9	C	6	10.6	E	
A115	SR 84/Peralta (Fre) - EB	Fremont	Mowry	Fre	1.64	I	S	1	6	20.9	D	6	22.8	C	
A116	SR 84/Mowry (Fre) - EB	Peralta	SH 238	Fre	0.86	I	S	2	6	23.4	C	6	18.0	D	

Table B-6: 2016 LOS Monitoring Results for Arterials (Tier 1) - PM Peak Period (Floating Car Surveys)

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Arterial Class	Plan Area	# Lanes	2014 Results			2016 Results			Note
		From	To						# Runs	Speed	LOS	# Runs	Speed	LOS	
A117	1st Street - SB	I-580 Off	N Mines	Liv	0.60	I	E	3	7	25.8	C	6	13.9	E	
A118	1st Street - SB	N Mines	Inman	Liv	1.06	I	E	2	7	26.4	C	6	29.7	B	
A119	1st Street - NB	Inman	N Mines	Liv	1.06	I	E	2	7	34.9	B	6	31.7	B	
A120	1st Street - NB	N Mines	I-580 Off	Liv	0.60	I	E	3	7	24.9	C	6	21.6	D	
A121	SR 84 - EB	SR 238/Mission	Union City Limit	Fre	1.35	42	S	1	8	43.7	A	8	18.4	F	
A122	SR 84 - EB	Union City Limit	Palomares	Fre	0.86	45	S	1	8	37.6	B	6	26.3	E	
A123	SR 84 - EB	Palomares	Niles Cnyn Quarry	Fre	2.16	44	S	1	8	46.8	A	6	34.0	C	
A124	SR 84 - EB	Niles Cnyn Quarry	Sunol Rd	Fre	1.74	47	S	1	8	44.4	A	6	40.5	B	
A125	SR 84 - EB	Sunol Rd	Plea-Sunol Rd	Fre	0.55	28	S	1	8	4.5	F	8	5.0	F	
A126	SR 84 - EB	Ple-Sunol Rd	SR 84 (Off)/I-680	Uninc	0.80	43	E	1	8	37.1	B	8	37.0	B	
A127	SR 84 - EB	SR 84 (Off)/I-680	Vallecitos Ln	Uninc	1.05	51	E	1	8	12.1	F	8	10.8	F	
A128	SR 84 - EB	Vallecitos Ln	Vallecitos Nuc.Cntr	Uninc	1.13	58	E	1	8	34.0	E	8	28.4	F	
A129	SR 84 - EB	Vallecitos Nuc Center Ent.	Culvert (Lat/Long: 37.613854,-121.817224)	Uninc	1.66	58	E	1	8	37.3	D	6	45.3	C	
A130	SR 84 - EB	Culvert (Lat/Long: 37.613854,-121.817224)	Ruby Hill /Kaithoff	Uninc	1.63	59	E	2	8	61.7	A	6	61.9	A	[1]
A131	SR 84 - EB	Ruby Hill./Kaithoff	Isabel/Vallecitos	Liv	0.38	I	E	1	8	46.0	A	6	33.3	A	[1]
A132	SR 84 (Liv) - NB	Isabel/Vallecitos	Vineyard	Liv	1.12	I	E	1	6	43.9	A	6	29.9	B	[1]
A133	SR 84 (Liv) - NB	Vineyard	Concannon	Liv	0.60	I	E	1	6	31.4	B	6	26.3	C	[1]
A134	SR 84 (Liv) - NB	Concannon	Stanley	Liv	1.05	I	E	1	6	29.9	B	6	39.5	A	[1]
A135	SR 84 (Liv) - NB	Stanley	W. Jack London Blvd.	Liv	0.90	I	E	1	6	46.1	A	6	41.6	A	
A136	SR 84 (Liv) - NB	W. Jack London Blvd.	Airway/Kitty Hawk	Liv	0.49	I	E	3	6	19.6	D	6	40.7	A	
A137	Airway Blvd (old SR 84) - NB	SR 84	I-580 EB off ramp	Liv	1.06	I	E	1	6	33.0	B	6	33.2	B	
A138	Airway Blvd (old SR 84) - SB	I-580 EB off ramp	SR 84	Liv	1.06	I	E	1	6	26.7	C	6	37.0	A	
A139	SR 84 (Liv) - SB	Airway/Kitty	W. Jack London Blvd.	Liv	0.49	I	E	3	6	19.1	D	6	30.2	B	
A140	SR 84 (Liv) - SB	W. Jack London Blvd.	Stanley	Liv	0.90	I	E	1	6	27.9	C	6	42.4	A	
A141	SR 84 (Liv) - SB	Stanley	Concannon	Liv	1.05	I	E	1	6	39.5	A	6	28.3	B	[1]
A142	SR 84 (Liv) - SB	Concannon	Vineyard	Liv	0.60	I	E	1	6	33.3	B	6	14.7	E	[1]
A143	SR 84 (Liv) - SB	Vineyard	Isabel/Vallecitos	Liv	1.12	I	E	1	6	34.6	B	6	34.5	B	[1]

Appendix B | 2016 Level of Service Results

Table B-6: 2016 LOS Monitoring Results for Arterials (Tier 1) - PM Peak Period (Floating Car Surveys)

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Arterial Class	Plan Area	# Lanes	2014 Results			2016 Results			Note
		From	To						# Runs	Speed	LOS	# Runs	Speed	LOS	
A144	SR 84 - WB	Isabel/Vallecitos	Ruby Hill /Kaithoff	Liv	0.38	I	E	1	6	44.6	A	6	32.9	B	[1]
A145	SR 84 - WB	Ruby Hill /Kaithoff	Culvert (Lat/Long: 37.613854,-121.817224)	Uninc	1.63	56	E	2	6	54.2	A	6	57.2	A	[1]
A146	SR 84 - WB	Culvert (Lat/Long: 37.613854,-121.817224)	Vallecitos Nuc.Cntr	Uninc	1.65	57	E	1	6	55.4	A	6	56.6	A	
A147	SR 84 - WB	Vallecitos Nuc.Cntr	Vallecitos Ln	Uninc	1.14	53	S	1	6	48.6	A	6	52.9	A	
A148	SR 84 - WB	Vallecitos Ln	SR 84/I-680 On	Uninc	0.86	55	S	1	6	47.4	A	6	52.8	A	
A149	SR 84 - WB	SR 84/I-680 On	Ple-Sunol Rd	Uninc	0.62	41	S	1	6	32.5	C	6	36.0	B	
A150	SR 84 - WB	Ple-Sunol Rd	Sunol Rd	Fre	0.55	42	S	1	6	39.1	A	6	34.0	B	
A151	SR 84 - WB	Sunol Rd	Niles Canyon Quarry	Fre	1.74	49	S	1	6	48.1	A	6	46.9	A	
A152	SR 84 - WB	Niles Canyon Quarry	Eastern Fremont City Limit	Fre	1.00	48	S	1	6	42.0	B	6	45.0	A	
A153	SR 84 - WB	Eastern Fremont City Limit	Union City Limit	Fre	2.03	42	S	1	6	40.6	A	6	42.4	A	
A154	SR 84 - WB	Union City Limit	SR 238	Fre	1.35	32	S	1	6	32.3	A	6	32.7	A	
A155	SR 92 - EB	I-880	Mission	Hay	1.71	II	C	3	6	14.5	D	6	10.6	E	
A156	SR 92 - WB	Mission	I-880	Hay	1.71	II	C	3	6	18.4	C	6	22.8	C	
A157	SR 112 (Davis) - EB	Doolittle	I-880	San L	0.52	II	C	2	9	6.5	F	6	12.6	E	
A158	SR 112 (Davis) - EB	I-880	San Leandro	San L	0.99	II	C	2	9	14.8	D	6	13.0	E	
A159	SR 112 (Davis) - EB	San Leandro	14th	San L	0.28	III	C	2	9	15.5	C	6	11.9	D	
A160	SR 112 (Davis) - WB	E 14th	San Leandro	San L	0.28	III	C	2	6	7.2	E	6	11.4	D	
A161	SR 112 (Davis) - WB	San Leandro	I-880	San L	0.99	II	C	2	6	24.4	B	6	19.1	C	
A162	SR 112 (Davis) - WB	I-880	Doolittle	San L	0.52	II	C	2	6	15.0	D	6	19.0	C	
A163	SR 123 San Pablo - SB	Carlson	Washington	Alb	0.51	II	N	2	8	17.5	D	8	21.9	C	
A164	SR 123 San Pablo - SB	Washington	Marin	Alb	0.36	III	N	2	8	13.6	C	8	10.5	D	
A165	SR 123 San Pablo - SB	Marin	Gilman	Alb - Berk	0.45	II	N	2	8	14.7	D	8	9.6	F	
A166	SR 123 San Pablo - SB	Gilman	University	Berk	0.81	II	N	2	8	17.6	D	8	17.9	D	
A167	SR 123 San Pablo - SB	University	Allston	Berk	0.19	III	N	2	8	13.7	C	8	11.6	D	
A168	SR 123 San Pablo - SB	Allston	Dwight	Berk	0.38	II	N	2	8	18.3	C	8	20.7	C	
A169	SR 123 San Pablo - SB	Dwight	Ashby	Berk	0.64	II	N	2	8	13.3	E	8	14.2	D	
A170	SR 123 San Pablo - SB	Ashby	Stanford	Oak	0.80	II	N	2	8	17.4	D	8	20.1	C	
A171	SR 123 San Pablo - SB	Stanford	53rd	Oak	0.27	II	N	2	8	18.4	C	8	13.6	E	

Table B-6: 2016 LOS Monitoring Results for Arterials (Tier 1) - PM Peak Period (Floating Car Surveys)

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Arterial Class	Plan Area	# Lanes	2014 Results			2016 Results			Note
		From	To						# Runs	Speed	LOS	# Runs	Speed	LOS	
A172	SR 123 San Pablo - SB	53rd	Park	Emery	0.34	II	N	2	8	14.5	D	8	10.1	E	[1]
A173	SR 123 San Pablo - SB	Park	35th	Emery - Oak	0.44	II	N	2	8	9.7	F	8	6.4	F	[1]
A174	SR 123 San Pablo - NB	35th	Park	Oak - Emery	0.42	II	N	2	6	10.4	E	6	24.5	B	[1]
A175	SR 123 San Pablo - NB	Park	53rd	Emery	0.34	II	N	2	6	28.2	B	6	18.9	C	[1]
A176	SR 123 San Pablo - NB	53rd	Stanford	Oak	0.27	II	N	2	6	23.0	C	8	7.1	F	
A177	SR 123 San Pablo - NB	Stanford	Ashby	Oak	0.80	II	N	2	6	12.8	E	8	14.7	D	
A178	SR 123 San Pablo - NB	Ashby	Dwight	Berk	0.64	II	N	2	6	14.5	D	8	13.2	E	
A179	SR 123 San Pablo - NB	Dwight	Allston	Berk	0.38	II	N	2	6	15.7	D	8	19.4	C	
A180	SR 123 San Pablo - NB	Allston	University	Berk	0.19	III	N	2	6	11.5	D	8	12.9	D	
A181	SR 123 San Pablo - NB	University	Gilman	Berk	0.81	II	N	2	6	11.9	E	8	12.9	E	
A182	SR 123 San Pablo - NB	Gilman	Marin	Alb - Berk	0.45	II	N	2	6	15.0	D	8	16.5	D	
A183	SR 123 San Pablo - NB	Marin	Washington	Alb	0.36	III	N	2	6	12.3	D	8	10.7	D	
A184	SR 123 San Pablo - NB	Washington	Carlson	Alb	0.51	II	N	2	6	16.7	D	8	6.8	F	
A185	SR 185 (International Blvd) - SB	42nd	46th St	Oak	0.29	II	N	2	8	9.2	F	6	20.9	C	
A186	SR 185 (International Blvd) - SB	46th St	Seminary	Oak	0.78	II	N	2	8	22.3	C	6	19.6	C	
A187	SR 185 (International Blvd) - SB	Seminary	73rd	Oak	0.80	II	N	2	8	14.4	D	6	12.2	E	
A188	SR 185 (International Blvd) - SB	73rd Ave	98th Ave	Oak	1.41	II	N	2	8	19.1	C	6	16.1	D	
A189	SR 185 (International Blvd) - SB	98th	Broadmoor	Oak	0.75	II	N	2	8	14.1	D	6	17.6	D	
A190	SR 185 (14th) - SB	Broadmoor	Davis	San L	0.73	II	C	2	8	19.3	C	6	15.1	D	
A191	SR 185 (14th) - SB	Davis	San Leandro	San L	1.06	III	C	2	6	18.8	C	6	17.1	C	
A192	SR 185 (14th) - SB	San L Blvd	Hesperian	San L	0.94	II	C	2	6	20.9	C	6	20.7	C	
A193	SR 185 (14th) - SB	Hesperian	Bayfair	San L	0.47	II	C	2	6	12.4	E	6	17.9	D	
A194	SR 185 (14th) - SB	Bayfair	170th	Uninc	1.19	II	S	2	6	12.1	E	6	17.4	D	
A195	SR 185 (14th) - SB	170th	Llewelling	Uninc	0.20	II	S	2	6	23.8	C	6	13.5	E	
A196	SR 185 (14th) - SB	Llewelling	Sunset	Uninc	1.05	II	S	2	6	16.4	D	6	15.8	D	

Appendix B | 2016 Level of Service Results

Table B-6: 2016 LOS Monitoring Results for Arterials (Tier 1) - PM Peak Period (Floating Car Surveys)

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Arterial Class	Plan Area	# Lanes	2014 Results			2016 Results			Note
		From	To						# Runs	Speed	LOS	# Runs	Speed	LOS	
A197	SR 185 Hayward - SB	Sunset	SR 92/238	Hay	0.84	III	C	2	6	11.7	D	6	17.1	C	
A198	SR 185 Hayward - NB	A Street (SR 92/238 until 2012)	Sunset	Hay	0.43	III	C	2	6	9.7	D	6	19.3	B	
A199	SR 185 (14th) - NB	Sunset	Llewelling	Uninc	1.05	II	S	2	6	20.7	C	6	21.1	C	
A200	SR 185 (14th) - NB	Llewelling	170th	Uninc	0.20	II	S	2	6	20.4	C	6	22.7	C	
A201	SR 185 (14th) - NB	170th	Bayfair	Uninc	1.19	II	S	2	6	18.4	C	6	17.6	D	
A202	SR 185 (14th) - NB	Bayfair	Hesperian	San L	0.47	II	C	2	6	18.2	C	6	20.4	C	
A203	SR 185 (14th) - NB	Hesperian	San L Blvd	San L	0.94	II	C	2	6	20.7	C	6	17.8	D	
A204	SR 185 (14th) - NB	San Leandro	Davis	San L	1.06	III	C	1	6	14.2	C	6	14.8	C	
A205	SR 185 (14th) - NB	Davis	Broadmoor	San L	0.73	II	C	2	6	15.8	D	6	17.1	D	
A206	SR 185 (International Blvd) - NB	Broadmoor	98th	Oak	0.75	II	N	2	6	16.9	D	6	14.7	D	
A207	SR 185 (International Blvd) - NB	98th Ave	73rd Ave	Oak	1.41	II	N	2	6	15.1	D	6	17.0	D	
A208	SR 185 (International Blvd) - NB	73rd Ave	Seminary	Oak	0.80	II	N	2	6	14.1	D	6	21.4	C	
A209	SR 185 (International Blvd) - NB	Seminary	46th St	Oak	0.78	II	N	2	6	22.2	C	6	20.0	C	
A210	SR 185 (International Blvd) - NB	46th St	42nd	Oak	0.29	II	N	2	6	15.6	D	8	6.6	F	
A211	SR 238 (Foothill) - NB	Jackson	City Center	Hay	0.63	III	C	4	6	12.3	D	6	16.0	C	[2]
A212	SR 238 (Foothill) - NB	City Center	I-580	Hay	0.73	II	S	3	6	13.5	E	6	14.3	D	[2]
A213	SR 238 (Foothill) - NB	I-580 Ramp	I-580 Merge	Uninc	0.68	I	S	1	6	36.2	A	6	28.0	C	[2]
A214	SR 238 (Foothill) - SB	I-580	Cstro V Blvd	Uninc	0.73	I	S	3	6	52.9	A	6	34.1	B	[2]
A215	SR 238 (Foothill) - SB	Cstro V Blvd	City Center	Hay-Uninc	1.04	II	C	3	6	24.5	B	6	26.7	B	[2]
A216	SR 238 (Foothill) - SB	City Center	A Street	Hay	0.16	III	C	3	6	24.0	B	6	7.3	E	[2]
A217	SR 238 (Mission) - NB	680 NB Rmp	Stevenson	Fre	2.35	I	S	2	6	32.5	B	6	32.6	B	[2]
A218	SR 238 (Mission) - NB	Stevenson	Nursery	Fre	2.43	I	S	2	6	28.2	B	6	17.3	D	[2]
A219	SR 238 (Mission) - NB	Nursery	Tamarack	Uni Cty	2.63	I	S	3	6	35.9	A	6	27.0	C	[2]
A220	SR 238 (Mission) - NB	Tamarack	Industrial	Uni Cty - Hay	1.96	I	S	3	6	24.0	C	6	21.8	D	[2]
A221	SR 238 (Mission) - NB	Industrial	Sorenson	Hay	1.46	II	C	2	6	21.4	C	6	14.3	D	[2]

Table B-6: 2016 LOS Monitoring Results for Arterials (Tier 1) - PM Peak Period (Floating Car Surveys)

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Arterial Class	Plan Area	# Lanes	2014 Results			2016 Results			Note
		From	To						# Runs	Speed	LOS	# Runs	Speed	LOS	
A222	SR 238 (Mission) - NB	Sorenson	Jackson	Hay	1.83	II	C	2	6	23.5	C	6	16.8	D	[2]
A223	SR 238 (Mission) - SB	Jackson	Sorenson	Hay	1.83	II	C	2	6	16.9	D	6	19.1	C	[2]
A224	SR 238 (Mission) - SB	Sorenson	Industrial	Hay	1.46	II	C	2	6	21.3	C	6	21.0	C	[2]
A225	SR 238 (Mission) - SB	Industrial	Tamarack	Hay - Uni Cty	1.96	I	C	3	6	18.2	D	6	25.8	C	[2]
A226	SR 238 (Mission) - SB	Tamarack	Nursery	Uni Cty	2.63	I	S	3	6	18.8	D	6	31.1	B	[2]
A227	SR 238 (Mission) - SB	Nursery	Stevenson	Fre	2.43	I	S	2	6	16.8	E	6	23.2	C	[2]
A228	SR 238 (Mission) - SB	Stevenson	680 NB Rmp	Fre	2.35	I	S	2	6	15.4	E	6	24.7	C	[2]
A229	SR 260 (Tubes) - NB	Atlantic	7th/Web	Oak	1.35	I	N	2	6	29.1	A	6	30.6	A	
A230	SR 260 (Tubes) - SB	7th/Web	Atlantic	Oak	1.43	I	N	2	7	23.8	B	6	26.3	A	
A231	SR 262 (Mission) - EB	I-880 NB	I-680 NB	Fre	1.48	I	S	2	8	13.4	E	6	26.0	C	
A232	SR 262 (Mission) - WB	I-680 NB	I-880 SB	Fre	1.67	I	S	2	6	20.5	D	6	26.0	C	
A233	SR 84 (Liv) - NB - realign	Airway	I-580 WB (off)	Liv	0.52	I	E	3	6	37.5	A	6	26.5	C	
A234	SR 84 (Liv) - NB - realign	I-580 WB (off)	Airway	Liv	0.53	I	E	3	6	32.6	B	6	25.1	C	

Notes

[1] Data impacted by long term construction and recurrent lane closures

[2] Maintenance work conducted within monitoring period

Table B-7: 2016 LOS Monitoring Results for Arterials (Tier 1) - AM Peak Period (Floating Car Surveys)

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Arterial Class	Plan Area	# Lanes	2014 Results			2016 Results			Note
		From	To						# Runs	Speed	LOS	# Runs	Speed	LOS	
A1	150th St - EB	Hesperian	I-580	San L	0.49	II	C	2	6	15.3	D	6	16.1	D	
A2	150th St - WB	I-580	Hesperian	San L	0.49	II	C	2	6	13.6	E	6	14.8	D	
A3	A Street - EB	I-880	Western	Hay	1.08	II	C	2	6	20.2	C	6	20.5	C	
A4	A Street - EB	Western	SR 185 (previously SR 238)	Hay	0.31	III	C	2	6	13.0	D	6	11.2	D	
A5	A Street - WB	SR 238	Western	Hay	0.54	III	C	2	7	11.3	D	6	18.3	C	
A6	A Street - WB	Western	I-880	Hay	1.07	II	C	2	7	16.8	D	6	17.0	D	
A7	Atlantic - EB	Main	Webster	Ala	0.81	II	N	2	6	23.0	C	6	21.0	C	
A8	Atlantic - WB	Webster	Main	Ala	0.81	II	N	2	6	25.0	B	6	28.5	B	
A9	Hegenberger - EB	SR 61	Edgewater	Oak	0.77	I	N	3	6	16.0	E	6	18.9	D	

Appendix B | 2016 Level of Service Results

Table B-7: 2016 LOS Monitoring Results for Arterials (Tier 1) - AM Peak Period (Floating Car Surveys)

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Arterial Class	Plan Area	# Lanes	2014 Results			2016 Results			Note
		From	To						# Runs	Speed	LOS	# Runs	Speed	LOS	
A10	Hegenberger - EB	Edgewater	Baldwin	Oak	0.73	I	N	3	6	22.2	C	6	22.2	C	
A11	Hegenberger - EB	Baldwin	E 14th	Oak	1.02	I	N	3	6	32.9	B	6	24.1	C	
A12	Hegenberger - WB	E 14th	Baldwin	Oak	1.02	I	N	3	7	25.7	C	6	25.6	C	
A13	Hegenberger - WB	Baldwin	Edgewater	Oak	0.72	I	N	3	7	20.4	D	6	27.5	C	
A14	Hegenberger - WB	Edgewater	SR 61	Oak	0.77	I	N	3	7	23.2	C	6	27.3	C	
A15	Hesperian - NB	Tennyson	SH 92 - WB	Hay	0.49	I	C	3	6	14.8	E	6	17.7	D	
A16	Hesperian - NB	SH 92	La Playa	Hay	0.78	II	C	3	6	27.8	B	6	23.8	C	
A17	Hesperian - NB	La Playa	W.Winton Ave.	Hay	0.43	II	C	3	6	29.5	B	6	18.2	C	
A18	Hesperian - NB	W.Winton Ave	A St	Hay	0.97	II	C	3	6	18.6	C	6	22.4	C	
A19	Hesperian - NB	A St	Hacienda	Uninc	0.67	II	C	3	6	20.9	C	6	21.4	C	
A20	Hesperian - NB	Hacienda	Grant	Uninc	0.66	II	C	3	6	22.3	C	6	31.9	A	
A21	Hesperian - NB	Grant	Llewelling	Uninc	0.27	II	C	3	6	26.4	B	6	11.3	E	
A22	Hesperian - NB	Llewelling	Springlake	Uninc	0.39	II	C	3	6	20.6	C	6	24.3	B	
A23	Hesperian - NB	Springlake	Fairmont	San L	0.66	II	C	3	6	18.9	C	6	16.1	D	
A24	Hesperian - NB	Fairmont	14th	San L	0.31	II	C	2	6	18.2	C	6	13.0	E	
A25	Hesperian - SB	14th	Fairmont	San L	0.31	II	C	2	6	13.4	E	6	17.4	D	
A26	Hesperian - SB	Fairmont	Springlake	San L	0.66	II	C	3	6	18.2	C	6	17.0	D	
A27	Hesperian - SB	Springlake	Llewelling	Uninc	0.39	II	C	3	6	21.8	C	6	16.8	D	
A28	Hesperian - SB	Llewelling	Grant	Uninc	0.27	II	C	3	6	12.9	E	6	15.5	D	
A29	Hesperian - SB	Grant	Hacienda	Uninc	0.66	II	C	3	6	20.5	C	6	26.8	B	
A30	Hesperian - SB	Hacienda	A St	Uninc	0.67	II	C	3	6	17.7	D	6	24.3	B	
A31	Hesperian - SB	A St	W.Winton Ave.	Hay	0.97	II	C	3	6	9.3	F	6	16.8	D	
A32	Hesperian - SB	W.Winton Ave	La Playa	Hay	0.43	II	C	3	6	12.8	E	6	21.4	C	
A33	Hesperian - SB	La Playa	SH 92	Hay	0.78	II	C	3	6	18.9	C	6	16.6	D	
A34	Hesperian - SB	SH 92 - WB	Tennyson	Hay	0.49	I	C	3	6.0	24.0	C	6	26.0	C	
A35	Mowry - EB	I-880	Farwell	Fre	0.28	II	S	3	7	26.6	B	6	26.4	B	
A36	Mowry - EB	Farwell	SH 84	Fre	2.48	II	S	3	7	23.4	C	6	24.6	B	
A37	Mowry - WB	SH 84	Farwell	Fre	2.53	II	S	3	7	20.8	C	6	24.4	B	
A38	Mowry - WB	Farwell	I-880	Fre	0.28	II	S	3	7	18.1	C	6	22.8	C	
A39	Park/23rd - EB	Encinal	Santa Clara	Ala	0.23	III	N	2	6	20.3	B	6	12.1	D	

Table B-7: 2016 LOS Monitoring Results for Arterials (Tier 1) - AM Peak Period (Floating Car Surveys)

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Arterial Class	Plan Area	# Lanes	2014 Results			2016 Results			Note
		From	To						# Runs	Speed	LOS	# Runs	Speed	LOS	
A40	Park/23rd - EB	Santa Clara	Kennedy	Ala	0.68	III	N	2	6	9.5	D	6	10.4	D	
A41	Park/23rd - EB	Kennedy	E 11th	Oak	0.45	II	N	2	6	17.3	D	6	19.2	C	
A42	Park/23rd - WB	E 11th	Kennedy	Oak	0.45	II	N	2	6	20.2	C	6	26.8	B	
A43	Park/23rd - WB	Kennedy	Santa Clara	Ala	0.74	III	N	2	6	19.0	B	6	17.1	C	
A44	Park/23rd - WB	Santa Clara	Encinal	Ala	0.23	III	N	2	6	14.3	C	6	11.8	D	
A45	MLK Jr Way - NB	SH 24	Adeline	Oak	1.48	II	N	3	6	32.3	A	6	18.7	C	
A46	Adeline - NB	MLK Jr - South	MLK Jr - North	Berk	0.28	II	N	3	6	12.9	E	6	11.3	E	
A47	Adeline - NB	MLK Jr - North	Shattuck/Adeline	Berk	0.61	II	N	3	6	17.3	D	6	19.1	C	
A48	Shattuck NB	Shattuck/Adeline	Dwight	Berk	0.31	II	N	2	6	16.1	D	6	19.2	C	
A49	Shattuck NB	Dwight	University	Berk	0.57	III	N	2	6	20.3	B	6	21.5	B	
A50	Shattuck SB	University	Dwight	Berk	0.57	III	N	2	6	13.0	C	6	14.2	C	
A51	Shattuck SB	Dwight	Shattuck/Adeline	Berk	0.30	II	N	2	6	15.6	D	6	21.2	C	
A52	Adeline - SB	Shattuck/Adeline	MLK Jr - North	Berk	0.61	II	N	3	6	19.6	C	6	18.4	C	
A53	Adeline - SB	MLK Jr - North	MLK Jr - South	Berk	0.29	II	N	3	6	11.7	E	6	8.1	F	
A54	MLK Jr Way - SB	Adeline	SH 24	Oak	1.39	II	N	3	6	14.4	D	6	13.6	E	
A55	Tennyson - EB	Hesperian	I-880	Hay	0.86	I	C	2	7	24.7	C	6	19.2	D	
A56	Tennyson - EB	I-880 NB	Rt 238	Hay	1.54	II	C	2	7	17.6	D	6	20.6	C	
A57	Tennyson - WB	Rt 238	I-880	Hay	1.54	II	C	2	7	15.2	D	6	17.9	D	
A58	Tennyson - WB	I-880	Hesperian	Hay	0.86	I	C	2	7	24.9	C	6	21.2	D	
A59	University - EB	I-80 SB	6th	Berk	0.40	II	N	2	7	18.6	C	6	13.2	E	
A60	University - EB	6th	San Pablo	Berk	0.32	II	N	2	7	16.7	D	6	14.0	D	
A61	University - EB	San Pablo	Sacramento	Berk	0.56	II	N	2	7	18.6	C	6	22.4	C	
A62	University - EB	Sacramento	ML King	Berk	0.49	II	N	2	7	21.8	C	6	19.1	C	
A63	University - EB	ML King	Shattuck Pl	Berk	0.29	III	N	2	7	19.5	B	6	21.1	B	
A64	University - WB	Shattuck Pl	ML King	Berk	0.29	III	N	2	7	14.7	C	6	17.4	C	
A65	University - WB	ML King	Sacramento	Berk	0.49	II	N	2	7	21.3	C	6	20.7	C	
A66	University - WB	Sacramento	San Pablo	Berk	0.56	II	N	2	7	18.6	C	6	21.0	C	
A67	University - WB	San Pablo	6th	Berk	0.32	II	N	2	7	17.0	D	6	19.1	C	
A68	University - WB	6th	I-80 SB	Berk	0.40	II	N	2	7	25.6	B	6	38.8	A	
A69	SR 13 Ashby - WB	Hiller	Domingo	Oak - Berk	0.81	II	N	1	7	23.4	C	6	20.5	C	

Appendix B | 2016 Level of Service Results

Table B-7: 2016 LOS Monitoring Results for Arterials (Tier 1) - AM Peak Period (Floating Car Surveys)

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Arterial Class	Plan Area	# Lanes	2014 Results			2016 Results			Note
		From	To						# Runs	Speed	LOS	# Runs	Speed	LOS	
A70	SR 13 Ashby - WB	Domingo	College	Berk	0.52	III	N	2	7	17.3	C	6	17.9	C	
A71	SR 13 Ashby - WB	College	Telegraph	Berk	0.37	III	N	2	7	16.3	C	6	14.4	C	
A72	SR 13 Ashby - WB	Telegraph	Shattuck	Berk	0.38	III	N	2	7	18.4	C	6	14.8	C	
A73	SR 13 Ashby - WB	Shattuck	ML King	Berk	0.26	III	N	2	7	10.8	D	6	10.0	D	
A74	SR 13 Ashby - WB	ML King	San Pablo	Berk	0.86	III	N	2	7	26.1	A	6	20.1	B	
A75	SR 13 Ashby - WB	San Pablo	I-80 Ramps	Berk	0.64	II	N	2	7	13.8	E	6	19.9	C	
A76	SR 13 Ashby - EB	I-80	San Pablo	Berk	0.62	II	N	2	6	24.2	B	6	29.8	B	
A77	SR 13 Ashby - EB	San Pablo	ML King	Berk	0.86	III	N	2	6	16.8	C	6	18.8	C	
A78	SR 13 Ashby - EB	ML King	Shattuck	Berk	0.26	III	N	2	6	15.1	C	6	11.2	D	
A79	SR 13 Ashby - EB	Shattuck	Telegraph	Berk	0.38	III	N	2	6	18.6	C	6	16.5	C	
A80	SR 13 Ashby - EB	Telegraph	College	Berk	0.37	III	N	2	6	18.9	C	6	22.4	B	
A81	SR 13 Ashby - EB	College	Domingo	Berk	0.52	III	N	2	6	21.6	B	6	19.1	B	
A82	SR 13 Ashby - EB	Domingo	Hillier	Berk - Oak	0.81	II	N	1	6	22.0	C	6	30.7	A	
A83	SR 61 - SB	Atlantic	Cent/Webster	Ala	0.57	III	N	2	7	14.4	C	6	16.8	C	
A84	SR 61 - SB	Cent/Webster	Sher/Encino	Ala	0.74	II	N	2	7	18.5	C	6	17.4	D	
A85	SR 61 - SB	Sher/Encino	Park	Ala	1.20	II	N	2	7	18.6	C	6	19.2	C	
A86	SR 61 - SB	Park	High/Otis	Ala	1.05	II	N	2	7	19.6	C	6	20.4	C	
A87	SR 61 (Doolittle) - SB	High	Island Dr	Ala	0.44	II	N	2	7	21.4	C	6	20.7	C	
A88	SR 61 (Doolittle) - SB	Island Dr	Harbor Bay Pkwy	Ala	0.51	I	N	2	7	28.0	B	6	30.6	B	
A89	SR 61 - SB	Harbor Bay	Airport Dr	Oak	2.17	I	N	2	7	29.7	B	6	35.3	A	
A90	SR 61 (Doolittle) - SB	Airport	Davis	Oak - San L	0.94	I	N	2	7	25.2	C	6	28.3	B	
A91	SR 61 (Doolittle) - NB	Davis	Airport	San L - Oak	0.94	I	C	2	6	25.3	C	6	28.8	B	
A92	SR 61 - NB	Airport Dr	Harbor Bay	Oak	2.17	I	N	2	6	34.1	B	6	35.9	A	
A93	SR 61 (Doolittle) - NB	Harbor Bay	Island Dr	Ala	0.51	I	N	2	6	24.8	B	6	30.9	A	
A94	SR 61 (Doolittle) - NB	Island Dr	High/Otis	Ala	0.44	II	N	2	6	15.9	D	6	17.3	D	
A95	SR 61 - NB	High/Otis	Park	Ala	1.05	II	N	2	6	17.7	D	6	15.9	D	
A96	SR 61 - NB	Park/Encinal	Sher/Cent	Ala	1.20	II	N	2	6	16.5	D	6	18.6	C	
A97	SR 61 - NB	Sher/Cent	Web/Cent	Ala	0.74	II	N	2	6	16.7	D	6	14.9	D	

Table B-7: 2016 LOS Monitoring Results for Arterials (Tier 1) - AM Peak Period (Floating Car Surveys)

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Arterial Class	Plan Area	# Lanes	2014 Results			2016 Results			Note
		From	To						# Runs	Speed	LOS	# Runs	Speed	LOS	
A98	SR 61 - NB	Cent/Web	Atlantic	Ala	0.57	III	N	2	6	13.1	C	6	14.0	C	
A99	SR 77 (42nd) - EB	I-880 NB	E 14th	Oak	0.36	I	N	2	6	28.3	B	6	26.5	C	
A100	SR 77 (42nd) - WB	E 14 th	I-880 NB	Oak	0.36	I	N	2	6	25.8	C	6	27.3	C	
A101	Decoto - WB	SH 238/Mission	Union Square	Uni Cty	0.86	II	S	2	6	17.4	D	6	17.5	D	
A102	Decoto - WB	Union Square	Alv-Niles Rd	Uni Cty	0.24	II	S	2	6	17.1	D	6	15.1	D	
A103	Decoto - WB	Alv-Niles Rd	Fremont CL	Uni Cty	0.65	II	S	2	6	13.9	E	6	25.0	B	
A104	Decoto - WB	Fremont CL	I-880 NB (off)	Fre	1.15	II	S	2	6	18.2	C	6	14.1	D	
A105	Decoto - EB	I-880 NB (off)	Union City CL	Fre	1.15	II	S	2	6	26.3	B	6	20.0	C	
A106	Decoto - EB	Union City CL	Alv-Niles Rd	Uni Cty	0.66	II	S	2	6	31.5	A	6	22.0	C	
A107	Decoto - EB	Alv-Niles Rd	Union Square	Uni Cty	0.24	II	S	2	6	23.1	C	6	12.2	E	
A108	Decoto - EB	Union Square	SH 238/Mission	Uni Cty	0.85	II	S	2	6	14.8	D	6	17.6	D	
A109	SR 84/Mowry (Fre)-WB	SH 238	Peralta	Fre	0.81	I	S	2	6	22.5	C	6	20.6	D	
A110	SR 84/Peralta (Fre)-WB	Mowry	Fremont	Fre	1.66	I	S	1	6	33.0	B	6	26.6	C	
A111	SR 84/Fremont(Fre)-WB	Peralta	Thornton	Fre	0.33	II	S	2	6	19.7	C	6	10.6	E	
A112	SR 84/Thornton(Fre)-WB	Fremont	I-880 SB	Fre	1.26	II	S	3	6	13.3	E	6	9.7	F	
A113	SR 84/Thornton (Fre)-EB	I-880 SB	Fremont	Fre	1.26	II	S	3	6	21.4	C	6	20.3	C	
A114	SR 84/Fremont (Fre)-EB	Thornton	Peralta	Fre	0.32	II	S	2	6	6.3	F	6	14.9	D	
A115	SR 84/Peralta (Fre) - EB	Fremont	Mowry	Fre	1.64	I	S	1	6	24.7	C	6	21.3	D	
A116	SR 84/Mowry (Fre) - EB	Peralta	SH 238	Fre	0.86	I	S	2	6	27.6	C	6	21.6	D	
A117	1st Street - SB	I-580 Off	N Mines	Liv	0.60	I	E	3	7	19.9	D	6	24.2	C	
A118	1st Street - SB	N Mines	Inman	Liv	1.06	I	E	2	7	30.7	B	6	29.7	B	
A119	1st Street - NB	Inman	N Mines	Liv	1.06	I	E	2	7	31.5	B	6	28.1	B	
A120	1st Street - NB	N Mines	I-580 Off	Liv	0.60	I	E	3	7	15.8	E	6	21.3	D	
A121	SR 84 - EB	SR 238/Mission	Union City Limit	Fre	1.35	41.9	S	1	6.0	44.1	A	6	33.6	B	
A122	SR 84 - EB	Union City Limit	Palomares	Fre	0.86	44.5	S	1	6.0	47.4	A	6	44.0	A	
A123	SR 84 - EB	Palomares	Niles Cnyn Quarry	Fre	2.16	43.8	S	1	6.0	45.9	A	6	43.3	A	
A124	SR 84 - EB	Niles Cnyn Quarry	Sunol Rd	Fre	1.74	46.7	S	1	6.0	50.0	A	6	36.3	C	
A125	SR 84 - EB	Sunol Rd	Plea-Sunol Rd	Fre	0.55	27.6	S	1	6.0	11.8	F	6	21.1	C	
A126	SR 84 - EB	Ple-Sunol Rd	SR 84 (Off)/I-680	Uninc	0.80	42.9	E	1	6.0	36.7	B	6	40.2	A	
A127	SR 84 - EB	SR 84 (Off)/I-680	Vallecitos Ln	Uninc	1.05	50.8	E	1	6.0	44.6	B	6	53.7	A	

Appendix B | 2016 Level of Service Results

Table B-7: 2016 LOS Monitoring Results for Arterials (Tier 1) - AM Peak Period (Floating Car Surveys)

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Arterial Class	Plan Area	# Lanes	2014 Results			2016 Results			Note
		From	To						# Runs	Speed	LOS	# Runs	Speed	LOS	
A128	SR 84 - EB	Vallecitos Ln	Vallecitos Nuc.Cntr	Uninc	1.13	57.5	E	1	6.0	56.1	A	6	54.0	A	
A129	SR 84 - EB	Vallecitos Nuc Center Ent.	Culvert (Lat/Long: 37.613854,-121.817224)	Uninc	1.66	58.3	E	1	6.0	53.5	A	6	58.1	A	
A130	SR 84 - EB	Culvert (Lat/Long: 37.613854,-121.817224)	Ruby Hill /Kaithoff	Uninc	1.63	59.2	E	2	6.0	60.3	A	6	51.1	B	[1]
A131	SR 84 - EB	Ruby Hill./Kaithoff	Isabel/Vallecitos	Liv	0.38	I	E	1	6.0	39.2	A	6	22.3	C	[1]
A132	SR 84 (Liv) - NB	Isabel/Vallecitos	Vineyard	Liv	1.12	I	E	1	6.0	35.5	A	6	34.8	B	[1]
A133	SR 84 (Liv) - NB	Vineyard	Concannon	Liv	0.60	I	E	1	6.0	43.3	A	6	35.2	A	[1]
A134	SR 84 (Liv) - NB	Concannon	Stanley	Liv	1.05	I	E	1	6.0	29.2	B	6	41.2	A	[1]
A135	SR 84 (Liv) - NB	Stanley	W. Jack London Blvd.	Liv	0.90	I	E	1	6.0	44.4	A	6	40.1	A	
A136	SR 84 (Liv) - NB	W. Jack London Blvd.	Airway/Kitty Hawk	Liv	0.49	I	E	3	6.0	30.4	B	6	32.6	B	
A137	Airway Blvd (old SR 84) - NB	SR 84	I-580 EB off ramp	Liv	1.06	I	E	1	6.0	26.0	C	6	30.3	B	
A138	Airway Blvd (old SR 84) - SB	I-580 EB off ramp	SR 84	Liv	1.06	I	E	1	6.0	31.0	B	6	36.2	A	
A139	SR 84 (Liv) - SB	Airway/Kitty	W. Jack London Blvd.	Liv	0.49	I	E	3	6.0	18.7	D	6	42.7	A	
A140	SR 84 (Liv) - SB	W. Jack London Blvd.	Stanley	Liv	0.90	I	E	1	6.0	29.4	B	6	46.4	A	
A141	SR 84 (Liv) - SB	Stanley	Concannon	Liv	1.05	I	E	1	6.0	37.7	A	6	29.6	B	[1]
A142	SR 84 (Liv) - SB	Concannon	Vineyard	Liv	0.60	I	E	1	6.0	28.4	B	6	22.9	C	[1]
A143	SR 84 (Liv) - SB	Vineyard	Isabel/Vallecitos	Liv	1.12	I	E	1	6.0	14.9	E	6	31.8	B	[1]
A144	SR 84 - WB	Isabel/Vallecitos	Ruby Hill /Kaithoff	Liv	0.38	I	E	1	6.0	24.3	C	6	49.5	A	[1]
A145	SR 84 - WB	Ruby Hill /Kaithoff	Culvert (Lat/Long: 37.613854,-121.817224)	Uninc	1.63	55.8	E	2	6.0	16.0	F	6	24.8	F	[1]
A146	SR 84 - WB	Culvert (Lat/Long: 37.613854,-121.817224)	Vallecitos Nuc.Cntr	Uninc	1.65	56.5	E	1	6.0	29.4	E	6	37.3	D	
A147	SR 84 - WB	Vallecitos Nuc.Cntr	Vallecitos Ln	Uninc	1.14	52.5	S	1	6.0	50.4	A	6	47.4	A	
A148	SR 84 - WB	Vallecitos Ln	SR 84/I-680 On	Uninc	0.86	55.3	S	1	6.0	45.5	A	6	33.5	C	
A149	SR 84 - WB	SR 84/I-680 On	Ple-Sunol Rd	Uninc	0.62	41.4	S	1	6.0	32.8	C	6	38.0	B	
A150	SR 84 - WB	Ple-Sunol Rd	Sunol Rd	Fre	0.55	41.9	S	1	6.0	43.6	A	6	46.1	A	
A151	SR 84 - WB	Sunol Rd	Niles Canyon Quarry	Fre	1.74	48.5	S	1	6.0	47.1	A	6	33.6	D	
A152	SR 84 - WB	Niles Canyon Quarry	Eastern Fremont City Limit	Fre	1.00	47.5	S	1	6.0	45.2	A	6	22.8	F	
A153	SR 84 - WB	Eastern Fremont City Limit	Union City Limit	Fre	2.03	41.8	S	1	6.0	33.9	B	6	42.6	A	

Table B-7: 2016 LOS Monitoring Results for Arterials (Tier 1) - AM Peak Period (Floating Car Surveys)

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Arterial Class	Plan Area	# Lanes	2014 Results			2016 Results			Note
		From	To						# Runs	Speed	LOS	# Runs	Speed	LOS	
A154	SR 84 - WB	Union City Limit	SR 238	Fre	1.35	31.7	S	1	6.0	22.9	C	6	54.7	A	
A155	SR 92 - EB	I-880	Mission	Hay	1.71	II	C	3	6	25.5	B	6	21.6	C	
A156	SR 92 - WB	Mission	I-880	Hay	1.71	II	C	3	6	12.5	E	6	19.5	C	
A157	SR 112 (Davis) - EB	Doolittle	I-880	San L	0.52	II	C	2	6	15.9	D	6	13.5	E	
A158	SR 112 (Davis) - EB	I-880	San Leandro	San L	0.99	II	C	2	6	18.0	D	6	18.1	C	
A159	SR 112 (Davis) - EB	San Leandro	14th	San L	0.28	III	C	2	6	16.2	C	6	11.3	D	
A160	SR 112 (Davis) - WB	E 14th	San Leandro	San L	0.28	III	C	2	6	6.3	F	6	10.1	D	
A161	SR 112 (Davis) - WB	San Leandro	I-880	San L	0.99	II	C	2	6	19.6	C	6	18.4	C	
A162	SR 112 (Davis) - WB	I-880	Doolittle	San L	0.52	II	C	2	6	15.2	D	6	19.7	C	
A163	SR 123 San Pablo - SB	Carlson	Washington	Alb	0.51	II	N	2	6	17.4	D	6	19.2	C	
A164	SR 123 San Pablo - SB	Washington	Marin	Alb	0.36	III	N	2	6	10.4	D	6	12.0	D	
A165	SR 123 San Pablo - SB	Marin	Gilman	Alb - Berk	0.45	II	N	2	6	20.0	C	6	23.4	C	
A166	SR 123 San Pablo - SB	Gilman	University	Berk	0.81	II	N	2	6	19.4	C	6	14.7	D	
A167	SR 123 San Pablo - SB	University	Allston	Berk	0.19	III	N	2	6	16.1	C	6	10.4	D	
A168	SR 123 San Pablo - SB	Allston	Dwight	Berk	0.38	II	N	2	6	23.0	C	6	20.1	C	
A169	SR 123 San Pablo - SB	Dwight	Ashby	Berk	0.64	II	N	2	6	19.0	C	6	20.6	C	
A170	SR 123 San Pablo - SB	Ashby	Stanford	Oak	0.80	II	N	2	6	21.0	C	6	16.1	D	
A171	SR 123 San Pablo - SB	Stanford	53rd	Oak	0.27	II	N	2	6	15.1	D	6	18.2	C	
A172	SR 123 San Pablo - SB	53rd	Park	Emery	0.34	II	N	2	6	28.7	B	6	16.7	D	[1]
A173	SR 123 San Pablo - SB	Park	35th	Emery - Oak	0.44	II	N	2	6	21.9	C	6	13.4	E	[1]
A174	SR 123 San Pablo - NB	35th	Park	Oak - Emery	0.42	II	N	2	7	14.7	D	6	18.6	C	[1]
A175	SR 123 San Pablo - NB	Park	53rd	Emery	0.34	II	N	2	7	24.3	B	6	24.8	B	[1]
A176	SR 123 San Pablo - NB	53rd	Stanford	Oak	0.27	II	N	2	7	21.0	C	6	23.0	C	
A177	SR 123 San Pablo - NB	Stanford	Ashby	Oak	0.80	II	N	2	7	17.8	D	6	15.5	D	
A178	SR 123 San Pablo - NB	Ashby	Dwight	Berk	0.64	II	N	2	7	20.7	C	6	22.4	C	
A179	SR 123 San Pablo - NB	Dwight	Allston	Berk	0.38	II	N	2	7	23.4	C	6	26.4	B	
A180	SR 123 San Pablo - NB	Allston	University	Berk	0.19	III	N	2	7	9.0	E	6	12.7	D	
A181	SR 123 San Pablo - NB	University	Gilman	Berk	0.81	II	N	2	7	20.1	C	6	21.5	C	

Appendix B | 2016 Level of Service Results

Table B-7: 2016 LOS Monitoring Results for Arterials (Tier 1) - AM Peak Period (Floating Car Surveys)

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Arterial Class	Plan Area	# Lanes	2014 Results			2016 Results			Note
		From	To						# Runs	Speed	LOS	# Runs	Speed	LOS	
A182	SR 123 San Pablo - NB	Gilman	Marin	Alb - Berk	0.45	II	N	2	7	22.1	C	6	22.1	C	
A183	SR 123 San Pablo - NB	Marin	Washington	Alb	0.36	III	N	2	7	14.8	C	6	13.0	C	
A184	SR 123 San Pablo - NB	Washington	Carlson	Alb	0.51	II	N	2	7	24.4	B	6	22.5	C	
A185	SR 185 (International Blvd) - SB	42nd	46th St	Oak	0.29	II	N	2	6.0	11.6	E	6	19.4	C	
A186	SR 185 (International Blvd) - SB	46th St	Seminary	Oak	0.78	II	N	2	6.0	24.3	B	6	24.2	B	
A187	SR 185 (International Blvd) - SB	Seminary	73rd	Oak	0.80	II	N	2	6.0	21.1	C	6	16.9	D	
A188	SR 185 (International Blvd) - SB	73rd Ave	98th Ave	Oak	1.41	II	N	2	6.0	23.3	C	6	22.1	C	
A189	SR 185 (International Blvd) - SB	98th	Broadmoor	Oak	0.75	II	N	2	6.0	21.9	C	6	19.3	C	
A190	SR 185 (14th) - SB	Broadmoor	Davis	San L	0.73	II	C	2	6.0	29.9	B	6	21.2	C	
A191	SR 185 (14th) - SB	Davis	San Leandro	San L	1.06	III	C	2	6.0	19.0	C	6	22.2	B	
A192	SR 185 (14th) - SB	San L Blvd	Hesperian	San L	0.94	II	C	2	6.0	31.2	A	6	20.8	C	
A193	SR 185 (14th) - SB	Hesperian	Bayfair	San L	0.47	II	C	2	6.0	17.3	D	6	18.4	C	
A194	SR 185 (14th) - SB	Bayfair	170th	Uninc	1.19	II	S	2	6.0	12.5	E	6	17.5	D	
A195	SR 185 (14th) - SB	170th	Llewelling	Uninc	0.20	II	S	2	6.0	27.3	B	6	17.4	D	
A196	SR 185 (14th) - SB	Llewelling	Sunset	Uninc	1.05	II	S	2	6.0	16.4	D	6	16.7	D	
A197	SR 185 Hayward - SB	Sunset	SR 92/238	Hay	0.84	III	C	2	6.0	14.9	C	6	11.9	D	
A198	SR 185 Hayward - NB	A Street (SR 92/238 until 2012)	Sunset	Hay	0.43	III	C	2	6.0	12.8	D	6	26.8	A	
A199	SR 185 (14th) - NB	Sunset	Llewelling	Uninc	1.05	II	S	2	6.0	21.3	C	6	22.5	C	
A200	SR 185 (14th) - NB	Llewelling	170th	Uninc	0.20	II	S	2	6.0	28.8	B	6	32.3	A	
A201	SR 185 (14th) - NB	170th	Bayfair	Uninc	1.19	II	S	2	6.0	25.9	B	6	19.7	C	
A202	SR 185 (14th) - NB	Bayfair	Hesperian	San L	0.47	II	C	2	6.0	33.3	A	6	23.1	C	
A203	SR 185 (14th) - NB	Hesperian	San L Blvd	San L	0.94	II	C	2	6.0	31.7	A	6	17.1	D	
A204	SR 185 (14th) - NB	San Leandro	Davis	San L	1.06	III	C	1	6.0	19.8	B	6	14.2	C	
A205	SR 185 (14th) - NB	Davis	Broadmoor	San L	0.73	II	C	2	6.0	25.7	B	6	21.2	C	
A206	SR 185 (International Blvd) - NB	Broadmoor	98th	Oak	0.75	II	N	2	6.0	23.7	C	6	15.3	D	

Table B-7: 2016 LOS Monitoring Results for Arterials (Tier 1) - AM Peak Period (Floating Car Surveys)

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Arterial Class	Plan Area	# Lanes	2014 Results			2016 Results			Note
		From	To						# Runs	Speed	LOS	# Runs	Speed	LOS	
A207	SR 185 (International Blvd) - NB	98th Ave	73rd Ave	Oak	1.41	II	N	2	6.0	16.2	D	6	17.3	D	
A208	SR 185 (International Blvd) - NB	73rd Ave	Seminary	Oak	0.80	II	N	2	6.0	11.4	E	6	11.6	E	
A209	SR 185 (International Blvd) - NB	Seminary	46th St	Oak	0.78	II	N	2	6.0	25.0	B	6	16.6	D	
A210	SR 185 (International Blvd) - NB	46th St	42nd	Oak	0.29	II	N	2	6.0	16.5	D	6	6.7	F	
A211	SR 238 (Foothill) - NB	Jackson	City Center	Hay	0.63	III	C	4	6.0	19.8	B	6	24.4	B	[2]
A212	SR 238 (Foothill) - NB	City Center	I-580	Hay	0.73	II	S	3	6.0	25.9	B	6	30.9	A	[2]
A213	SR 238 (Foothill) - NB	I-580 Ramp	I-580 Merge	Uninc	0.68	I	S	1	6.0	39.6	A	6	44.6	A	[2]
A214	SR 238 (Foothill) - SB	I-580	Cstro V Blvd	Uninc	0.73	I	S	3	6.0	53.7	A	6	37.2	A	[2]
A215	SR 238 (Foothill) - SB	Cstro V Blvd	City Center	Hay-Uninc	1.04	II	C	3	6.0	23.3	C	6	28.1	B	[2]
A216	SR 238 (Foothill) - SB	City Center	A Street	Hay	0.16	III	C	3	6.0	32.3	A	6	9.1	D	[2]
A217	SR 238 (Mission) - NB	680 NB Rmp	Stevenson	Fre	2.35	I	S	2	6.0	35.4	A	6	34.6	B	[2]
A218	SR 238 (Mission) - NB	Stevenson	Nursery	Fre	2.43	I	S	2	6.0	36.1	A	6	30.7	B	[2]
A219	SR 238 (Mission) - NB	Nursery	Tamarack	Uni Cty	2.63	I	S	3	6.0	35.7	A	6	32.8	B	[2]
A220	SR 238 (Mission) - NB	Tamarack	Industrial	Uni Cty - Hay	1.96	I	S	3	6.0	29.0	B	6	29.8	B	[2]
A221	SR 238 (Mission) - NB	Industrial	Sorenson	Hay	1.46	II	C	2	6.0	28.6	B	6	24.0	B	[2]
A222	SR 238 (Mission) - NB	Sorenson	Jackson	Hay	1.83	II	C	2	6.0	31.1	A	6	19.1	C	[2]
A223	SR 238 (Mission) - SB	Jackson	Sorenson	Hay	1.83	II	C	2	6.0	25.4	B	6	23.8	C	[2]
A224	SR 238 (Mission) - SB	Sorenson	Industrial	Hay	1.46	II	C	2	6.0	27.6	B	6	21.3	C	[2]
A225	SR 238 (Mission) - SB	Industrial	Tamarack	Hay - Uni Cty	1.96	I	C	3	6.0	28.0	B	6	24.8	C	[2]
A226	SR 238 (Mission) - SB	Tamarack	Nursery	Uni Cty	2.63	I	S	3	6.0	33.2	B	6	22.6	C	[2]
A227	SR 238 (Mission) - SB	Nursery	Stevenson	Fre	2.43	I	S	2	6.0	22.6	C	6	17.6	D	[2]
A228	SR 238 (Mission) - SB	Stevenson	680 NB Rmp	Fre	2.35	I	S	2	6.0	15.8	E	6	24.7	C	[2]
A229	SR 260 (Tubes) - NB	Atlantic	7th/Web	Oak	1.35	I	N	2	6.0	25.9	A	6	9.1	D	
A230	SR 260 (Tubes) - SB	7th/Web	Atlantic	Oak	1.43	I	N	2	6.0	33.0	A	6	31.4	A	
A231	SR 262 (Mission) - EB	I-880 NB	I-680 NB	Fre	1.48	I	S	2	6.0	33.9	B	6	33.0	B	
A232	SR 262 (Mission) - WB	I-680 NB	I-880 SB	Fre	1.67	I	S	2	6.0	11.6	F	6	23.6	C	

Appendix B | 2016 Level of Service Results

Table B-7: 2016 LOS Monitoring Results for Arterials (Tier 1) - AM Peak Period (Floating Car Surveys)

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Arterial Class	Plan Area	# Lanes	2014 Results			2016 Results			Note
		From	To						# Runs	Speed	LOS	# Runs	Speed	LOS	
A233	SR 84 (Liv) - NB - realign	Airway	I-580 WB (off)	Liv	0.52	I	E	3	6.0	29.9	B	6	30.6	B	
A234	SR 84 (Liv) - SB - realign	I-580 WB (off)	Airway	Liv	0.53	I	E	3	6.0	26.2	C	6	11.8	F	

Notes

[1] Data impacted by long term construction and recurrent lane closures

[2] Maintenance work conducted within monitoring period

B.4 | Arterials (Tier 2)

Table B-8: 2016 LOS Monitoring Results for Arterials (Tier 2) - PM Peak Period (INRIX or Floating Car Surveys)

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	FFS	Class 1985/2000	2014 Results				2016 Results				Note
		From	To						Method	n	Speed	LOS 85/00	Method	n	Speed	LOS 85/00	
T1	W.Grand Ave - Grand Ave -EB	I-80/Maritime St	San Pablo Ave	Oak	1.63	N	26.6	2 / 3	INRIX	779	25.8	B / B	INRIX	696	19.4	C / C	
T2	W.Grand Ave - Grand Ave -EB	San Pablo Ave	Broadway	Oak	0.40	N	19.9	3 / 4	INRIX	2504	16.6	C / C	INRIX	1684	12.2	D / D	
T3	W.Grand Ave - Grand Ave -EB	Broadway	I-580	Oak	1.08	N	21.6	3 / 4	INRIX	1546	16.4	C / C	INRIX	809	11.4	D / D	
T4	W.Grand Ave - Grand Ave -WB	I-580	Broadway	Oak	1.08	N	21.5	3 / 4	INRIX	852	18.9	C / C	INRIX	505	14.0	C / C	
T5	W.Grand Ave - Grand Ave -WB	Broadway	San Pablo Ave	Oak	0.40	N	20.8	3 / 4	INRIX	1682	17.1	C / C	INRIX	1506	11.2	D / D	
T6	W.Grand Ave - Grand Ave -WB	San Pablo Ave	I-80/Maritime St	Oak	1.63	N	28.3	2 / 3	INRIX	983	25.9	B / B	INRIX	1042	22.2	C / C	
T7	11th St - Lake Merritt Blvd - Lakeshore Ave-EB	I-980 ON Ramp/Brush St	Webster	Oak	0.60	N	14.4	3 / 4	FC	6	15.1	C / C	FC	6	15.5	C / C	
T8	11th St - Lake Merritt Blvd - Lakeshore Ave-EB	Webster	East side of Lake Merritt Channel	Oak	0.66	N	14.7	3 / 4	FC	6	16.8	C / C	FC	6	11.9	D / D	
T9	11th St - Lake Merritt Blvd - Lakeshore Ave-EB	East side of Lake Merritt Channel	MacArthur Blvd/I-580 ON Ramp	Oak	1.15	N	16.7	3 / 4	FC	7	15.6	C / C	FC	6	13.6	C / C	
T10	12th St - Lake Merritt Blvd - Lakeshore Ave-WB	MacArthur Blvd/I-580 ON Ramp	East side of Lake Merritt Channel	Oak	1.15	N	16.8	3 / 4	FC	7	15.8	C / C	FC	6	16.1	C / C	
T11	12th St - Lake Merritt Blvd - Lakeshore Ave-WB	East side of Lake Merritt Channel	Webster	Oak	0.64	N	15.9	3 / 4	FC	8	19.3	B / B	FC	6	11.9	D / D	
T12	12th St - Lake Merritt Blvd - Lakeshore Ave-WB	Webster	I-980 OFF Ramp/Brush St	Oak	0.60	N	17.4	3 / 4	FC	8	17.1	C / C	FC	6	10.1	D / D	
T13	Telegraph Ave-NB	51st Street	Russell St	Oak - Berk	1.41	N	15.0	3 / 4	FC	6	14.9	C / C	FC	6	12.1	D / D	
T14	Telegraph Ave-NB	Russell St	Bancroft Way	Berk	0.77	N	13.5	3 / 4	FC	6	17.4	C / C	FC	6	13.5	C / C	
T15	Dana-Dwight-Telegraph-SB	Bancroft Way	Russell St	Berk	0.90	N	13.9	3 / 4	FC	6	15.2	C / C	FC	6	15.0	C / C	
T16	Telegraph Ave-SB	Russell St	51st Street	Oak - Berk	1.41	N	18.5	3 / 4	FC	6	16.9	C / C	FC	6	13.5	C / C	
T17	Broadway-SB	Broadway/College Ave	Grand Ave	Oak	1.91	N	20.8	2 / 3	INRIX	367	17.6	D / D	INRIX	718	13.6	E / E	
T18	Broadway-SB	Grand Ave	14th St	Oak	0.55	N	18.2	3 / 4	INRIX	1186	16.8	C / C	INRIX	1039	11.0	D / D	[1]

Appendix B | 2016 Level of Service Results

Table B-8: 2016 LOS Monitoring Results for Arterials (Tier 2) - PM Peak Period (INRIX or Floating Car Surveys)

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	FFS	Class 1985/2000	2014 Results				2016 Results				Note
		From	To						Method	n	Speed	LOS 85/00	Method	n	Speed	LOS 85/00	
T19	Broadway-SB	14th St	5th St/Broadway	Oak	0.48	N	17.9	3 / 4	INRIX	1487	14.0	C / C	INRIX	1505	8.1	E / E	
T20	Broadway (Connection to I-880)-SB	5th St/Broadway	I-880 ON Ramp	Oak	0.21	N	62.9	1 / 1	INRIX	3779	14.9	E / F	FC	6	16.4	E / E	
T21	Broadway (Connection to I-880)-NB	I-880 OFF Ramp	5th St/Broadway	Oak	1.26	N	23.0	1 / 2	FC	6	15.0	E / E	FC	6	13.6	E / F	
T22	Broadway-NB	5th St/Broadway	14th St	Oak	0.48	N	17.1	3 / 4	INRIX	1265	15.0	C / C	INRIX	658	8.7	E / E	
T23	Broadway-NB	14th St	Grand Ave	Oak	0.55	N	18.3	3 / 4	INRIX	1181	16.7	C / C	INRIX	974	11.1	D / D	[1]
T24	Broadway-NB	Grand Ave	Broadway/College Ave	Oak	1.91	N	21.9	2 / 3	INRIX	995	16.2	D / D	INRIX	1257	12.6	E / E	
T25	Durant-EB	Shattuck	College Ave.	Berk	0.73	N	16.0	3 / 4	FC	6	13.4	C / C	FC	6	16.5	C / C	
T26	College Avenue-SB	Bancroft Way/College Ave	Ashby Ave	Berk	0.85	N	16.8	3 / 4	INRIX	951	13.2	C / C	INRIX	1224	8.9	E / E	
T27	College Avenue-SB	Ashby Ave	Miles Ave/SR 24 OFF Ramp	Oak - Berk	0.83	N	19.7	3 / 4	INRIX	436	14.8	C / C	INRIX	674	10.2	D / D	
T28	College Avenue-SB	Miles Ave/SR 24 OFF Ramp	Broadway/College Ave	Oak	0.61	N	16.7	3 / 4	INRIX	864	15.4	C / C	INRIX	953	11.9	D / D	
T29	College Avenue-NB	Broadway/College Ave	Miles Ave/SR 24 OFF Ramp	Oak	0.61	N	17.0	3 / 4	INRIX	832	15.2	C / C	INRIX	1063	10.8	D / D	
T30	College Avenue-NB	Miles Ave/SR 24 OFF Ramp	Ashby Ave	Oak - Berk	0.83	N	18.3	3 / 4	INRIX	569	15.5	C / C	INRIX	518	10.0	D / D	
T31	College Avenue-NB	Ashby Ave	Bancroft Way/College Ave	Berk	0.85	N	16.8	3 / 4	INRIX	656	15.2	C / C	INRIX	1049	10.5	D / D	
T32	Bancroft-WB	College Ave.	Shattuck	Berk	0.73	N	12.5	3 / 4	FC	6	9.9	D / D	FC	6	11.4	D / D	
T33	51st Street-EB	SR 24 Off Ramp/52nd St	Broadway	Oak	0.75	N	15.0	3 / 4	FC	6	12.9	D / D	FC	6	13.0	C / C	
T34	51st Street-WB	Broadway	SR 24 Off Ramp/52nd St	Oak	0.75	N	15.7	3 / 4	FC	6	17.1	C / C	FC	6	14.3	C / C	
T35	Shattuck Avenue-NB	51st	Alcatraz Ave.	Oak - Berk	0.81	N	22.8	3 / 4	FC	7	18.2	C / C	FC	6	16.4	C / C	
T36	Shattuck Avenue-NB	Alcatraz Ave.	Adeline St.	Berk	0.70	N	16.7	3 / 4	FC	7	11.9	D / D	FC	6	12.1	D / D	
T37	Shattuck Avenue-SB	Adeline St.	Alcatraz Ave.	Berk	0.70	N	17.1	3 / 4	FC	6	10.6	D / D	FC	6	11.6	D / D	
T38	Shattuck Avenue-SB	Alcatraz Ave.	51st	Oak	0.81	N	17.3	3 / 4	FC	6	18.5	C / C	FC	6	15.8	C / C	
T39	Powell Street-Stanford Avenue-EB	NB I-80 OFF Ramp	San Pablo Ave	Emery	0.75	N	15.5	2 / 3	FC	7	20.3	C / C	FC	6	16.1	D / D	[1]

Table B-8: 2016 LOS Monitoring Results for Arterials (Tier 2) - PM Peak Period (INRIX or Floating Car Surveys)

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	FFS	Class 1985/2000	2014 Results				2016 Results				Note
		From	To						Method	n	Speed	LOS 85/00	Method	n	Speed	LOS 85/00	
T40	Powell Street-Stanford Avenue-EB	San Pablo Ave	MLK Jr Way	Oak - Berk	0.76	N	17.0	2 / 3	FC	7	17.2	D / D	FC	6	19.0	C / C	
T41	Powell Street-Stanford Avenue-WB	MLK Jr Way	San Pablo Ave	Oak - Berk	0.76	N	19.1	2 / 3	FC	7	20.8	C / C	FC	6	18.5	C / C	
T42	Powell Street-Stanford Avenue-WB	San Pablo Ave	NB I-80 OFF Ramp	Emery - Oak	0.75	N	15.3	2 / 3	FC	7	14.0	D / D	FC	6	13.8	E / E	[1]
T43	40thStreet-Shellmound Avenue-EB	Shellmound Way (North of Powell St)	40th St	Emery	0.73	N	24.6	2 / 3	FC	6	17.9	D / D	FC	6	20.9	C / C	
T44	40thStreet-Shellmound Avenue-EB	40th St	San Pablo Ave	Emery	0.68	N	16.5	3 / 4	FC	6	12.4	D / D	FC	6	13.4	C / C	
T45	40thStreet-Shellmound Avenue-WB	San Pablo Ave	40th St	Emery	0.68	N	22.0	3 / 4	FC	6	24.7	B / B	FC	6	18.8	C / C	
T46	40thStreet-Shellmound Avenue-WB	40th St	Shellmound Way (North of Powell St)	Emery	0.73	N	29.0	2 / 3	FC	6	21.3	C / C	FC	6	25.4	B / B	
T47	International Boulevard-NB	42nd Ave	Fruitvale Ave	Oak	0.62	N	21.9	3 / 4	INRIX	1287	16.8	C / C	INRIX	1329	12.2	D / D	
T48	International Boulevard-NB	Fruitvale Ave	14th Ave	Oak	1.38	N	22.9	3 / 4	INRIX	979	21.5	B / B	INRIX	630	18.7	C / C	
T49	International Boulevard-NB	14th Ave	Lake Merritt Blvd	Oak	0.88	N	22.5	3 / 4	INRIX	1218	20.7	B / B	INRIX	475	18.1	C / C	
T50	International Boulevard-SB	Lake Merritt Blvd	14th Ave	Oak	0.88	N	21.5	3 / 4	INRIX	2067	20.3	B / B	INRIX	2011	17.4	C / C	
T51	International Boulevard-SB	14th Ave	Fruitvale Ave	Oak	1.38	N	22.9	3 / 4	INRIX	2535	19.4	B / B	INRIX	2459	17.3	C / C	
T52	International Boulevard-SB	Fruitvale Ave	42nd Ave	Oak	0.62	N	21.4	3 / 4	INRIX	2868	12.5	D / D	INRIX	2863	8.4	E / E	
T53	73d Ave-NB	International Blvd/73rd Ave	73rd Ave/Foothill Blvd	Oak	1.07	N	28.1	2 / 3	INRIX	695	23.0	C / C	INRIX	1935	19.1	C / C	
T54	Foothill Boulevard-NB	73rd Ave/Foothill Blvd	Seminary Ave	Oak	1.02	N	20.3	3 / 4	INRIX	302	21.4	B / B	INRIX	52	20.2	B / B	
T55	Foothill Boulevard-NB	Seminary Ave	High Street	Oak	1.22	N	21.5	3 / 4	INRIX	332	21.2	B / B	INRIX	748	18.1	C / C	
T56	Foothill Boulevard-NB	High Street	Fruitvale Ave	Oak	0.90	N	19.8	3 / 4	INRIX	431	17.5	C / C	INRIX	517	11.1	D / D	
T57	Foothill Boulevard-NB	Fruitvale Ave	14th Ave	Oak	1.32	N	22.9	2 / 3	INRIX	226	23.7	C / C	INRIX	692	16.1	D / D	
T58	Foothill Boulevard-NB	14th Ave	1st Ave/Lake Shore Blvd	Oak	0.88	N	20.5	3 / 4	INRIX	555	19.8	B / B	INRIX	177	14.7	C / C	

Appendix B | 2016 Level of Service Results

Table B-8: 2016 LOS Monitoring Results for Arterials (Tier 2) - PM Peak Period (INRIX or Floating Car Surveys)

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	FFS	Class 1985/2000	2014 Results				2016 Results				Note
		From	To						Method	n	Speed	LOS 85/00	Method	n	Speed	LOS 85/00	
T60	Foothill Boulevard-SB	14th Ave	Fruitvale Ave	Oak	1.32	N	21.8	2 / 3	INRIX	129	20.4	C / C	INRIX	844	15.2	D / D	
T61	Foothill Boulevard-SB	Fruitvale Ave	High Street	Oak	0.90	N	20.8	3 / 4	INRIX	498	16.3	C / C	INRIX	778	11.1	D / D	
T62	Foothill Boulevard-SB	High Street	Seminary Ave	Oak	1.22	N	20.2	3 / 4	INRIX	590	19.7	B / B	INRIX	1340	18.2	C / C	
T63	Foothill Boulevard-SB	Seminary Ave	73rd Ave/Foothill Blvd	Oak	1.02	N	21.2	3 / 4	INRIX	355	20.3	B / B	INRIX	772	16.4	C / C	
T64	73d Ave-SB	73rd Ave/Foothill Blvd	International Blvd/73rd Ave	Oak	1.07	N	26.9	2 / 3	INRIX	738	23.8	C / C	INRIX	1569	20.1	C / C	
T65	E. 15th Street-SB/14th Avenue	1st Avenue	Foothill Blvd/14th Avenue	Oak	0.98	N	14.8	3 / 4	FC	6	14.5	C / C	FC	6	17.8	C / C	
T66	High Street-EB	Otis Drive	Central Ave	Ala	0.58	N	19.7	3 / 4	FC	6	16.9	C / C	INRIX	162	20.2	B / B	
T67	High Street-EB	Central Ave	Fernside Blvd	Ala	0.48	N	19.3	3 / 4	FC	6	14.3	C / C	INRIX	758	17.4	C / C	
T68	High Street-EB	Fernside Blvd	NB I-880 OFF Ramp	Ala - Oak	0.50	N	14.8	2 / 3	FC	6	9.7	F / F	INRIX	310	12.0	E / E	
T69	High Street-EB	NB I-880 OFF Ramp	Foothill Blvd	Oak	0.61	N	16.3	3 / 4	FC	6	11.5	D / D	INRIX	577	11.3	D / D	
T70	High Street-EB	Foothill Blvd	MacArthur Blvd/WB I-580 OFF Ramp	Oak	1.29	N	20.9	3 / 4	FC	6	15.9	C / C	INRIX	614	17.6	C / C	
T71	High Street-WB	MacArthur Blvd/WB I-580 OFF Ramp	Foothill Blvd	Oak	1.29	N	21.2	3 / 4	FC	6	13.8	C / C	INRIX	440	20.3	B / B	
T72	High Street-WB	Foothill Blvd	NB I-880 OFF Ramp	Oak	0.61	N	16.9	3 / 4	FC	6	10.4	D / D	INRIX	593	11.5	D / D	
T73	High Street-WB	NB I-880 OFF Ramp	Fernside Blvd	Ala - Oak	0.50	N	21.6	2 / 3	FC	6	14.3	D / D	INRIX	609	17.3	D / D	
T74	High Street-WB	Fernside Blvd	Central Ave	Ala	0.48	N	16.8	3 / 4	FC	6	19.6	B / B	INRIX	1018	19.5	B / B	
T75	High Street-WB	Central Ave	Otis Drive	Ala	0.58	N	24.5	3 / 4	FC	6	17.5	C / C	INRIX	542	17.8	C / C	
T76	Crow Canyon Road/Grove Way-NB	A Street/Redwood Road	EB I-580 ON Ramp/Grove Way	Uninc	0.95	C	29.0	2 / 3	INRIX	1987	24.3	B / B	INRIX	1638	18.6	C / C	
T77	Crow Canyon Road/Grove Way-NB	EB I-580 ON Ramp/Grove Way	Cull Canyon	Uninc	0.81	C	32.1	1 / 2	INRIX	2288	25.9	C / C	INRIX	3078	23.1	C / C	
T78	Crow Canyon Road-NB	Cull Canyon	Cold Water Dr	Uninc	0.88	C	42.3	1 / 2	INRIX	2106	39.2	A / A	INRIX	3197	38.4	A / A	
T79	Crow Canyon Road-NB	Cold Water Dr	0.43 miles North of Norris Canyon Rd	Uninc	2.41	C	42.0	Rural / Rural	INRIX	3039	38.9	A / -	INRIX	3546	38.2	A / -	
T80	Crow Canyon Road-NB	0.43 miles North of Norris Canyon Rd	County Line	Uninc	2.97	C	42.0	Rural / Rural	INRIX	3708	39.0	A / -	INRIX	3546	38.2	A / -	

Table B-8: 2016 LOS Monitoring Results for Arterials (Tier 2) - PM Peak Period (INRIX or Floating Car Surveys)

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	FFS	Class 1985/2000	2014 Results				2016 Results				Note
		From	To						Method	n	Speed	LOS 85/00	Method	n	Speed	LOS 85/00	
T81	Crow Canyon Road-SB	County Line	0.43 miles North of Norris Canyon Rd	Uninc	2.97	C	41.4	Rural / Rural	INRIX	3728	38.6	A / -	INRIX	3536	38.1	A / -	
T82	Crow Canyon Road-SB	0.43 miles North of Norris Canyon Rd	Cold Water Dr	Uninc	2.40	C	41.4	Rural / Rural	INRIX	3608	38.6	A / -	INRIX	3536	38.1	A / -	
T83	Crow Canyon Road-SB	Cold Water Dr	Cull Canyon	Uninc	0.89	C	41.6	1 / 2	INRIX	1631	38.0	A / A	INRIX	2512	36.2	A / A	
T84	Crow Canyon Road/Grove Way-SB	Cull Canyon	EB I-580 ON Ramp/Grove Way	Uninc	0.82	C	36.1	1 / 2	INRIX	785	30.6	B / B	INRIX	1475	23.7	C / C	
T85	Crow Canyon Road/Grove Way-SB	EB I-580 ON Ramp/Grove Way	A Street/Redwood Road	Uninc	0.94	C	30.7	2 / 3	INRIX	427	27.2	B / B	INRIX	487	23.9	C / C	
T86	Winton Avenue - D Street-EB	Hesperian Blvd.	SB I-880 ON Ramp	Hay	0.39	C	25.7	2 / 3	INRIX	3612	16.6	D / D	INRIX	3533	16.5	D / D	
T87	Winton Avenue - D Street-EB	SB I-880 ON Ramp	Santa Clara St	Hay	0.35	C	33.5	2 / 3	INRIX	3031	20.7	C / C	INRIX	3447	19.3	C / C	
T88	Winton Avenue - D Street-EB	Santa Clara St	Soto Rd	Hay	0.55	C	24.1	2 / 3	INRIX	3337	18.1	C / C	INRIX	3505	14.9	D / D	
T89	Winton Avenue - D Street-EB	Soto Rd	Foothill Boulevard/D St	Hay	0.92	C	24.5	2 / 3	INRIX	1824	20.0	C / C	INRIX	2382	12.9	E / E	
T90	Winton Avenue - D Street-WB	Foothill Boulevard/D St	Soto Rd	Hay	0.92	C	27.2	2 / 3	INRIX	802	20.5	C / C	INRIX	948	17.6	D / D	
T91	Winton Avenue - D Street-WB	Soto Rd	Santa Clara St	Hay	0.55	C	23.0	2 / 3	INRIX	2407	19.7	C / C	INRIX	3155	18.4	C / C	
T92	Winton Avenue - D Street-WB	Santa Clara St	SB I-880 ON Ramp	Hay	0.35	C	34.7	2 / 3	INRIX	1820	34.1	A / A	INRIX	2717	29.5	B / B	
T93	Winton Avenue - D Street-WB	SB I-880 ON Ramp	Hesperian Blvd.	Hay	0.39	C	24.1	2 / 3	INRIX	3363	19.9	C / C	INRIX	3474	18.5	C / C	
T94	A Street-EB	Foothill Boulevard/A St	Redwood Rd/Grove Way	Hay - Uninc	0.80	C	23.6	2 / 3	FC	7	17.6	D / D	INRIX	3202	19.9	C / C	
T95	A Street-EB	Redwood Rd/Grove Way	EB I-580 ON Ramp/Grove Way	Uninc	0.42	C	18.5	2 / 3	FC	7	15.8	D / D	INRIX	2684	20.2	C / C	
T96	A Street-WB	EB I-580 ON Ramp/Grove Way	Redwood Rd/Grove Way	Uninc	0.42	C	28.8	2 / 3	FC	7	28.1	B / B	INRIX	2627	21.0	C / C	
T97	A Street-WB	Redwood Rd/Grove Way	Foothill Boulevard/A St	Uninc	0.80	C	15.8	2 / 3	FC	7	27.9	B / B	INRIX	2634	19.5	C / C	

Appendix B | 2016 Level of Service Results

Table B-8: 2016 LOS Monitoring Results for Arterials (Tier 2) - PM Peak Period (INRIX or Floating Car Surveys)

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	FFS	Class 1985/2000	2014 Results				2016 Results				Note
		From	To						Method	n	Speed	LOS 85/00	Method	n	Speed	LOS 85/00	
T98	Hesperian Boulevard-Union City Blvd-NB	Union City/Alvarado Blvd	Whipple Rd	Uni Cty	0.98	S	26.5	1 / 2	FC	6	15.2	E / E	INRIX	3085	12.9	F / F	
T99	Hesperian Boulevard-Union City Blvd-NB	Whipple Rd	Hesperian/Union City Blvd/overbridge	Uni Cty	0.30	S	32.9	1 / 2	FC	6	13.5	E / E	INRIX	3315	12.5	F / F	
T100	Hesperian Boulevard-Union City Blvd-NB	Hesperian/Union City Blvd/overbridge	Industrial Blvd	Hay	0.57	S	26.4	1 / 2	FC	6	22.2	C / C	INRIX	3178	13.7	E / E	
T101	Hesperian Boulevard-Union City Blvd-NB	Industrial Blvd	Tennyson/Hesperian	Hay	1.05	S	25.2	2 / 3	FC	6	22.6	C / C	INRIX	3473	25.3	B / B	
T102	Hesperian Boulevard-Union City Blvd-SB	Tennyson/Hesperian	Industrial Blvd	Hay	1.05	S	26.8	2 / 3	FC	6	13.4	E / E	INRIX	2555	24.9	B / B	
T103	Hesperian Boulevard-Union City Blvd-SB	Industrial Blvd	Hesperian/Union City Blvd/overbridge	Hay	0.57	S	19.3	1 / 2	FC	6	12.2	F / F	INRIX	1034	21.0	D / D	
T104	Hesperian Boulevard-Union City Blvd-SB	Hesperian/Union City Blvd/overbridge	Whipple Rd	Uni Cty	0.30	S	22.1	1 / 2	FC	6	15.4	E / E	INRIX	3196	24.1	C / C	
T105	Hesperian Boulevard-Union City Blvd-SB	Whipple Rd	Union City/Alvarado Blvd	Uni Cty	0.98	S	29.5	1 / 2	FC	6	28.0	B / B	INRIX	1504	24.0	C / C	
T106	Alvarado Blvd.-NB	NB I-880 ON Ramp	Deep Creek Rd/SB I-880 OFF Ramp	Fre	0.22	S	30.6	1 / 2	INRIX	1536	28.0	B / B	INRIX	2640	26.9	C / C	
T107	Alvarado Blvd.-NB	Deep Creek Rd/SB I-880 OFF Ramp	Fair Ranch Rd	Uni Cty - Fre	1.42	S	32.4	1 / 2	INRIX	1233	28.3	B / B	INRIX	520	25.3	C / C	
T108	Alvarado Blvd.-NB	Fair Ranch Rd	Union City/Alvarado Blvd	Uni Cty	0.51	S	28.5	1 / 2	INRIX	327	26.7	C / C	INRIX	183	18.5	D / D	[2]
T109	Alvarado Blvd.-SB	Union City/Alvarado Blvd	Fair Ranch Rd	Uni Cty	0.51	S	28.1	1 / 2	INRIX	1456	25.6	C / C	INRIX	1740	17.2	D / D	
T110	Alvarado Blvd.-SB	Fair Ranch Rd	Deep Creek Rd/SB I-880 OFF Ramp	Uni Cty - Fre	1.42	S	31.2	1 / 2	INRIX	1231	28.2	B / B	INRIX	1457	24.3	C / C	
T111	Alvarado Blvd.-SB	Deep Creek Rd/SB I-880 OFF Ramp	NB I-880 ON Ramp	Fre	0.22	S	31.6	1 / 2	INRIX	1934	25.5	C / C	INRIX	2001	22.3	C / C	
T112	Fremont Boulevard-NB	NB I-880 OFF Ramp	Automall Parkway	Fre	1.28	S	34.7	1 / 2	INRIX	2024	27.4	C / C	INRIX	2723	21.8	D / D	
T113	Fremont Boulevard-NB	Automall Parkway	Blacow Rd	Fre	0.91	S	34.2	1 / 2	INRIX	2263	31.9	B / B	INRIX	3293	28.3	B / B	
T114	Fremont Boulevard-NB	Blacow Rd	Adams Ave	Fre	0.38	S	28.0	1 / 2	INRIX	3591	23.2	C / C	INRIX	3515	19.8	D / D	
T115	Fremont Boulevard-NB	Adams Ave	Stevenson Rd	Fre	1.17	S	27.9	2 / 3	INRIX	2308	23.1	C / C	INRIX	2507	19.7	C / C	
T116	Fremont Boulevard-NB	Stevenson Rd	Mowry Ave	Fre	1.00	S	30.2	2 / 3	INRIX	1336	27.1	B / B	INRIX	1643	23.4	C / C	

Table B-8: 2016 LOS Monitoring Results for Arterials (Tier 2) - PM Peak Period (INRIX or Floating Car Surveys)

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	FFS	Class 1985/2000	2014 Results				2016 Results				Note
		From	To						Method	n	Speed	LOS 85/00	Method	n	Speed	LOS 85/00	
T117	Fremont Boulevard-NB	Mowry Ave	Peralta Blvd	Fre	1.21	S	30.0	2 / 3	INRIX	1742	26.1	B / B	INRIX	2174	21.0	C / C	
T118	Fremont Boulevard-NB	Peralta Blvd	Thornton Ave	Fre	0.33	S	30.9	2 / 3	INRIX	1724	24.0	B / B	INRIX	2488	15.7	D / D	
T119	Fremont Boulevard-NB	Thornton Ave	Decoto Rd	Fre	1.33	S	32.0	1 / 2	INRIX	1262	28.7	B / B	INRIX	2325	22.7	C / C	
T120	Fremont Boulevard-NB	Decoto Rd	Paseo Padre Pkwy	Fre	0.56	S	31.0	1 / 2	INRIX	2020	28.6	B / B	INRIX	2511	22.4	C / C	
T121	Fremont Boulevard-NB	Paseo Padre Pkwy	NB I-880 OFF Ramp	Fre	0.39	S	31.0	1 / 2	INRIX	1336	29.2	B / B	INRIX	2165	25.0	C / C	
T122	Fremont Boulevard-SB	NB I-880 OFF Ramp	Paseo Padre Pkwy	Fre	0.39	S	32.0	1 / 2	INRIX	1110	29.6	B / B	INRIX	1316	24.5	C / C	
T123	Fremont Boulevard-SB	Paseo Padre Pkwy	Decoto Rd	Fre	0.56	S	29.7	1 / 2	INRIX	1563	27.9	C / C	INRIX	1230	24.4	C / C	
T124	Fremont Boulevard-SB	Decoto Rd	Thornton Ave	Fre	1.33	S	30.2	1 / 2	INRIX	1692	28.7	B / B	INRIX	1589	24.1	C / C	
T125	Fremont Boulevard-SB	Thornton Ave	Peralta Blvd	Fre	0.32	S	29.3	2 / 3	INRIX	2634	24.5	B / B	INRIX	2544	17.0	D / D	
T126	Fremont Boulevard-SB	Peralta Blvd	Mowry Ave	Fre	1.21	S	29.4	2 / 3	INRIX	2176	27.3	B / B	INRIX	1543	23.8	C / C	
T127	Fremont Boulevard-SB	Mowry Ave	Stevenson Rd	Fre	1.00	S	32.3	2 / 3	INRIX	1896	30.0	A / A	INRIX	1227	24.5	B / B	
T128	Fremont Boulevard-SB	Stevenson Rd	Adams Ave	Fre	1.17	S	27.8	2 / 3	INRIX	2423	24.8	B / B	INRIX	2216	22.1	C / C	
T129	Fremont Boulevard-SB	Adams Ave	Blacow Rd	Fre	0.38	S	27.9	1 / 2	INRIX	3557	24.6	C / C	INRIX	3480	22.3	C / C	
T130	Fremont Boulevard-SB	Blacow Rd	Automall Parkway	Fre	0.91	S	33.1	1 / 2	INRIX	862	32.9	B / B	INRIX	1462	29.2	B / B	
T131	Fremont Boulevard-SB	Automall Parkway	NB I-880 OFF Ramp	Fre	1.28	S	34.9	1 / 2	INRIX	553	33.8	B / B	INRIX	738	30.0	B / B	
T132	Automall Parkway-EB	NB I-880 OFF Ramp	Fremont Blvd	Fre	0.85	S	23.1	1 / 2	FC	8	19.5	D / D	FC	6	25.8	C / C	
T133	Automall Parkway-EB	Fremont Blvd	NB I-680 ON Ramp	Fre	0.74	S	29.5	1 / 2	FC	8	22.8	C / C	FC	6	24.6	C / C	
T134	Automall Parkway-WB	NB I-680 ON Ramp	Fremont Blvd	Fre	0.75	S	21.1	1 / 2	FC	8	20.3	D / D	FC	6	20.3	D / D	
T135	Automall Parkway-WB	Fremont Blvd	NB I-880 OFF Ramp	Fre	0.85	S	27.1	1 / 2	FC	8	28.0	B / B	FC	6	25.5	C / C	
T136	Vasco Road-NB	WB I-580 OFF Ramp	Scenic Ave	Liv	0.44	E	36.3	1 / 2	INRIX	3723	18.0	D / D	INRIX	3168	15.4	E / E	
T137	Vasco Road-NB	Scenic Ave	Dalton Ave/City-County Line	Liv	0.68	E	37.4	1 / 2	INRIX	3821	17.7	D / D	INRIX	3255	14.6	E / E	
T138	Vasco Road-NB	Dalton Ave/City-County Line	N. Vasco Rd/Vasco Rd	Liv	3.11	E	53.0	Rural / Rural	INRIX	3856	40.8	C / -	INRIX	3320	34.2	D / -	
T139	Vasco Road-NB	N. Vasco Rd/Vasco Rd	Local Road underpass/County Line	Liv	2.25	E	53.0	Rural / Rural	INRIX	3856	40.8	C / -	INRIX	3320	34.2	D / -	
T140	Vasco Road-SB	Local Road underpass/County Line	N. Vasco Rd/Vasco Rd	Liv	2.25	E	46.8	Rural / Rural	INRIX	2985	53.1	A / -	INRIX	3132	57.1	A / -	

Appendix B | 2016 Level of Service Results

Table B-8: 2016 LOS Monitoring Results for Arterials (Tier 2) - PM Peak Period (INRIX or Floating Car Surveys)

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	FFS	Class 1985/2000	2014 Results				2016 Results				Note
		From	To						Method	n	Speed	LOS 85/00	Method	n	Speed	LOS 85/00	
T141	Vasco Road-SB	N. Vasco Rd/Vasco Rd	Dalton Ave/City-County Line	Liv	3.11	E	46.8	Rural / Rural	INRIX	2985	53.1	A / -	INRIX	3132	57.1	A / -	
T142	Vasco Road-SB	Dalton Ave/City-County Line	Scenic Ave	Liv	0.68	E	34.3	1 / 2	INRIX	2641	32.6	B / B	INRIX	3067	30.2	B / B	
T143	Vasco Road-SB	Scenic Ave	WB I-580 OFF Ramp	Liv	0.44	E	32.0	1 / 2	INRIX	1569	32.9	B / B	INRIX	1616	30.9	B / B	
T144	Dublin Blvd.-EB	San Ramon Road	Village Parkway	Dub	0.73	E	26.5	2 / 3	INRIX	993	20.6	C / C	INRIX	2445	16.8	D / D	
T145	Dublin Blvd.-EB	Village Parkway	Dougherty Rd	Dub	0.81	E	29.5	2 / 3	INRIX	2209	24.9	B / B	INRIX	2541	22.7	C / C	
T146	Dublin Blvd.-EB	Dougherty Rd	Hacienda Dr	Dub	1.21	E	34.1	1 / 2	INRIX	2187	28.8	B / B	INRIX	2020	25.0	C / C	
T147	Dublin Blvd.-EB	Hacienda Dr	Tassajara Dr	Dub	0.89	E	30.2	1 / 2	INRIX	1592	25.2	C / C	INRIX	2219	20.1	D / D	
T148	Dublin Blvd.-WB	Tassajara Dr	Hacienda Dr	Dub	0.89	E	29.1	1 / 2	INRIX	462	25.7	C / C	INRIX	453	22.4	C / C	
T149	Dublin Blvd.-WB	Hacienda Dr	Dougherty Rd	Dub	1.21	E	32.8	1 / 2	INRIX	885	28.0	B / B	INRIX	827	24.1	C / C	
T150	Dublin Blvd.-WB	Dougherty Rd	Village Parkway	Dub	0.81	E	29.5	2 / 3	INRIX	2770	23.6	C / C	INRIX	3004	21.7	C / C	
T151	Dublin Blvd.-WB	Village Parkway	San Ramon Road	Dub	0.73	E	24.5	2 / 3	INRIX	588	21.4	C / C	INRIX	1404	14.1	D / D	
T152	San Ramon Road-NB	WB I-580 OFF ramp	Silvergate Dr	Dub	0.64	E	30.8	1 / 2	INRIX	1201	26.6	C / C	INRIX	1615	21.4	D / D	
T153	San Ramon Road-NB	Silvergate Dr	Alcosta Blvd/Westside Dr/County Line	Dub	0.99	E	35.1	1 / 2	INRIX	2194	33.5	B / B	INRIX	2495	32.4	B / B	
T154	San Ramon Road-SB	Alcosta Blvd/Westside Dr/County Line	Silvergate Dr	Dub	0.99	E	35.8	1 / 2	INRIX	2171	35.1	A / A	INRIX	2264	31.9	B / B	
T155	San Ramon Road-SB	Silvergate Dr	WB I-580 OFF ramp	Dub	0.64	E	32.7	1 / 2	INRIX	810	29.9	B / B	INRIX	1042	23.3	C / C	
T156	Dougherty Road-NB	WB I-580 OFF ramp	Amador Valley Blvd on SB	Dub	1.12	E	35.4	1 / 2	INRIX	2844	28.1	B / B	INRIX	2901	22.1	C / C	
T157	Dougherty Road-NB	Amador Valley Blvd on SB	Fallcreek Rd on SB/County Line	Dub	0.80	E	44.1	1 / 2	INRIX	1953	43.6	A / A	INRIX	2744	43.1	A / A	
T158	Dougherty Road-SB	Fallcreek Rd on SB/County Line	Amador Valley Blvd on SB	Dub	0.80	E	43.1	1 / 2	INRIX	2386	39.4	A / A	INRIX	2774	38.3	A / A	
T159	Dougherty Road-SB	Amador Valley Blvd on SB	WB I-580 OFF ramp	Dub	1.12	E	33.1	1 / 2	INRIX	2351	27.1	C / C	INRIX	2702	23.3	C / C	
T160	Tassajara Road-NB	WB I-580 OFF ramp	Central Parkway	Dub	0.49	E	24.7	1 / 2	FC	6	14.6	E / E	FC	6	13.9	E / E	
T161	Tassajara Road-NB	Central Parkway	Somerset Ln/N Dublin Ranch Dr	Dub	0.68	E	34.3	1 / 2	FC	6	19.2	D / D	FC	6	34.5	B / B	

Table B-8: 2016 LOS Monitoring Results for Arterials (Tier 2) - PM Peak Period (INRIX or Floating Car Surveys)

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	FFS	Class 1985/2000	2014 Results				2016 Results				Note
		From	To						Method	n	Speed	LOS 85/00	Method	n	Speed	LOS 85/00	
T162	Tassajara Road-NB	Somerset Ln/N Dublin Ranch Dr	Fallon Rd	Dub	1.04	E	38.4	1 / 2	FC	6	31.1	B / B	FC	6	32.4	B / B	
T163	Tassajara Road-NB	Fallon Rd	County Line	Uninc	0.51	E	35.2	1 / 1	FC	6	34.5	B / B	FC	6	36.7	A / B	
T164	Tassajara Road-SB	County Line	Fallon Rd	Uninc	0.51	E	45.2	1 / 1	FC	6	36.1	A / B	FC	6	40.0	A / B	
T165	Tassajara Road-SB	Fallon Rd	Somerset Ln/N Dublin Ranch Dr	Dub	1.04	E	38.7	1 / 2	FC	6	34.8	B / B	FC	6	37.8	A / A	
T166	Tassajara Road-SB	Somerset Ln/N Dublin Ranch Dr	Central Parkway	Dub	0.68	E	33.8	1 / 2	FC	6	43.1	A / A	FC	6	19.0	D / D	
T167	Tassajara Road-SB	Central Parkway	WB I-580 OFF ramp	Dub	0.49	E	25.7	1 / 2	FC	6	29.6	B / B	FC	6	14.9	E / E	
T168	E. Stanley Blvd - Railroad Avenue - 1st Street-NB	SR 84/Isabel Ave	Murrita Blvd	Liv	0.91	E	31.5	1 / 2	FC	6	28.1	B / B	INRIX	3184	24.3	C / C	
T169	E. Stanley Blvd - Railroad Avenue - 1st Street-NB	Murrita Blvd	S Livermore Ave	Liv	1.07	E	23.4	2 / 3	FC	6	26.3	B / B	INRIX	2225	21.6	C / C	
T170	E. Stanley Blvd - Railroad Avenue - 1st Street-NB	S Livermore Ave	Inman St	Liv	0.46	E	21.7	2 / 3	FC	6	24.8	B / B	INRIX	404	19.0	C / C	
T171	E. Stanley Blvd - Railroad Avenue - 1st Street-SB	Inman St	S Livermore Ave	Liv	0.46	E	20.1	2 / 3	FC	6	15.2	D / D	INRIX	99	14.6	D / D	
T172	E. Stanley Blvd - Railroad Avenue - 1st Street-SB	S Livermore Ave	Murrita Blvd	Liv	1.07	E	26.6	2 / 3	FC	6	24.4	B / B	INRIX	772	21.1	C / C	
T173	E. Stanley Blvd - Railroad Avenue - 1st Street-SB	Murrita Blvd	SR 84/Isabel Ave	Liv	0.91	E	21.9	1 / 2	FC	6	15.3	E / E	INRIX	2226	35.6	A / A	
T174	Stoneridge Drive-EB	SB I-680 OFF Ramp	Hopyard Rd	Plea	0.93	E	33.2	1 / 2	INRIX	3380	29.0	B / B	INRIX	3248	27.0	C / C	
T175	Stoneridge Drive-EB	Hopyard Rd	Hacienda Dr	Plea	0.49	E	29.8	1 / 2	INRIX	2374	28.4	B / B	INRIX	2370	24.9	C / C	
T176	Stoneridge Drive-EB	Hacienda Dr	W. Las Positas Blvd	Plea	0.63	E	31.1	1 / 2	INRIX	2180	28.7	B / B	INRIX	2917	21.9	D / D	
T177	Stoneridge Drive-EB	W. Las Positas Blvd	Santa Rita Road	Plea	0.44	E	30.0	1 / 2	INRIX	1668	26.6	C / C	INRIX	1714	19.9	D / D	
T178	Santa Rita Road-EB	Stoneridge Dr/Santa Rita Road	W. Los Positas Blvd	Plea	0.29	E	31.1	1 / 2	INRIX	2944	29.5	B / B	INRIX	2401	29.1	B / B	
T179	Santa Rita Road-EB	W. Los Positas Blvd	WB I-580 OFF Ramp	Plea	0.88	E	30.3	1 / 2	INRIX	3123	26.3	C / C	INRIX	3073	24.7	C / C	
T180	Santa Rita Road-WB	WB I-580 OFF Ramp	W. Los Positas Blvd	Plea	0.88	E	31.3	1 / 2	INRIX	2361	28.5	B / B	INRIX	2450	26.1	C / C	
T181	Santa Rita Road-WB	W. Los Positas Blvd	Santa Rita Road	Plea	0.29	E	31.5	1 / 2	INRIX	2868	30.1	B / B	INRIX	2823	26.8	C / C	
T182	Stoneridge Drive-WB	Santa Rita Road	W. Las Positas Blvd	Plea	0.44	E	31.8	1 / 2	INRIX	547	29.1	B / B	INRIX	430	22.4	C / C	
T183	Stoneridge Drive-WB	W. Las Positas Blvd	Hacienda Dr	Plea	0.63	E	33.8	1 / 2	INRIX	1473	30.5	B / B	INRIX	2329	29.0	B / B	

Appendix B | 2016 Level of Service Results

Table B-8: 2016 LOS Monitoring Results for Arterials (Tier 2) - PM Peak Period (INRIX or Floating Car Surveys)

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	FFS	Class 1985/2000	2014 Results				2016 Results				Note
		From	To						Method	n	Speed	LOS 85/00	Method	n	Speed	LOS 85/00	
T184	Stoneridge Drive-WB	Hacienda Dr	Hopyard Rd	Plea	0.49	E	28.8	1 / 2	INRIX	2218	24.6	C / C	INRIX	1739	18.5	D / D	
T185	Stoneridge Drive-WB	Hopyard Rd	SB I-680 OFF Ramp	Plea	0.93	E	32.9	1 / 2	INRIX	2401	27.5	C / C	INRIX	2159	25.7	C / C	
T186	Sunol Blvd.- 1st Street-Stanley Blvd.-NB	NB I-680 OFF	Bernal Ave	Plea	1.23	E	31.2	1 / 2	INRIX	1583	27.5	C / C	INRIX	1975	26.3	C / C	
T187	Sunol Blvd.- 1st Street-Stanley Blvd.-NB	Bernal Ave	Ray/Vineyard	Plea	0.63	E	26.1	3 / 4	INRIX	3232	21.0	B / B	INRIX	3194	17.2	C / C	
T188	Sunol Blvd.- 1st Street-Stanley Blvd.-NB	Ray/Vineyard	Bernal Ave/Valley Ave	Plea	0.86	E	32.1	2 / 3	INRIX	1858	27.2	B / B	INRIX	2453	23.6	C / C	
T189	Sunol Blvd.- 1st Street-Stanley Blvd.-NB	Bernal Ave/Valley Ave	SR 84/Isabel Ave	Plea - Uninc	2.98	E	44.9	1 / 1	INRIX	3738	47.6	A / A	INRIX	3312	45.2	A / A	
T190	Sunol Blvd.- 1st Street-Stanley Blvd.-SB	SR 84/Isabel Ave	Bernal Ave/Valley Ave	Plea - Uninc	2.98	E	51.0	1 / 1	INRIX	2660	47.8	A / A	INRIX	2488	50.9	A / A	
T191	Sunol Blvd.- 1st Street-Stanley Blvd.-SB	Bernal Ave/Valley Ave	Ray/Vineyard	Plea	0.86	E	34.6	2 / 3	INRIX	552	30.2	A / A	INRIX	694	26.0	B / B	
T192	Sunol Blvd.- 1st Street-Stanley Blvd.-SB	Ray/Vineyard	Bernal Ave	Plea	0.63	E	25.4	3 / 4	INRIX	1910	22.3	B / B	INRIX	1255	18.5	C / C	
T193	Sunol Blvd.- 1st Street-Stanley Blvd.-SB	Bernal Ave	NB I-680 OFF	Plea	1.23	E	35.6	1 / 2	INRIX	727	32.8	B / B	INRIX	1013	31.8	B / B	

Notes

- [1] Data impacted by long term construction and recurrent lane closures
- [2] Complete Road Closure for part of the Monitoring Period

Table B-9: 2016 LOS Monitoring Results for Arterials (Tier 2) - AM Peak Period (INRIX or Floating Car Surveys)

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	FFS	Class 1985/2000	2014 Results				2016 Results				Note
		From	To						Method	n	Speed	LOS 85/00	Method	n	Speed	LOS 85/00	
T1	W.Grand Ave - Grand Ave -EB	I-80/Maritime St	San Pablo Ave	Oak	1.63	N	26.6	2 / 3	INRIX	519	24.3	B / B	INRIX	653	20.2	C / C	
T2	W.Grand Ave - Grand Ave -EB	San Pablo Ave	Broadway	Oak	0.40	N	19.9	3 / 4	INRIX	2305	15.8	C / C	INRIX	1411	12.2	D / D	
T3	W.Grand Ave - Grand Ave -EB	Broadway	I-580	Oak	1.08	N	21.6	3 / 4	INRIX	672	19.5	B / B	INRIX	462	15.4	C / C	
T4	W.Grand Ave - Grand Ave -WB	I-580	Broadway	Oak	1.08	N	21.5	3 / 4	INRIX	706	18.9	C / C	INRIX	767	15.6	C / C	

Table B-9: 2016 LOS Monitoring Results for Arterials (Tier 2) - AM Peak Period (INRIX or Floating Car Surveys)

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	FFS	Class 1985/2000	2014 Results				2016 Results				Note
		From	To						Method	n	Speed	LOS 85/00	Method	n	Speed	LOS 85/00	
T5	W. Grand Ave - Grand Ave -WB	Broadway	San Pablo Ave	Oak	0.40	N	20.8	3 / 4	INRIX	1615	17.0	C / C	INRIX	1158	11.2	D / D	
T6	W. Grand Ave - Grand Ave -WB	San Pablo Ave	I-80/Maritime St	Oak	1.63	N	28.3	2 / 3	INRIX	1892	20.0	C / C	INRIX	2161	23.7	C / C	
T7	11th St - Lake Merritt Blvd - Lakeshore Ave-EB	I-980 ON Ramp/Brush St	Webster	Oak	0.60	N	14.4	3 / 4	FC	6	14.5	C / C	FC	6	17.0	C / C	
T8	11th St - Lake Merritt Blvd - Lakeshore Ave-EB	Webster	East side of Lake Merritt Channel	Oak	0.66	N	14.7	3 / 4	FC	6	15.0	C / C	FC	6	14.9	C / C	
T9	11th St - Lake Merritt Blvd - Lakeshore Ave-EB	East side of Lake Merritt Channel	MacArthur Blvd/I-580 ON Ramp	Oak	1.15	N	16.7	3 / 4	FC	6	11.0	D / D	FC	6	16.1	C / C	
T10	12th St - Lake Merritt Blvd - Lakeshore Ave-WB	MacArthur Blvd/I-580 ON Ramp	East side of Lake Merritt Channel	Oak	1.15	N	16.8	3 / 4	FC	6	16.0	C / C	FC	6	16.1	C / C	
T11	12th St - Lake Merritt Blvd - Lakeshore Ave-WB	East side of Lake Merritt Channel	Webster	Oak	0.64	N	15.9	3 / 4	FC	8	13.3	C / C	FC	6	11.9	D / D	
T12	12th St - Lake Merritt Blvd - Lakeshore Ave-WB	Webster	I-980 OFF Ramp/Brush St	Oak	0.60	N	17.4	3 / 4	FC	8	11.1	D / D	FC	6	10.1	D / D	
T13	Telegraph Ave-NB	51st Street	Russell St	Oak - Berk	1.41	N	15.0	3 / 4	FC	6	18.1	C / C	FC	6	16.3	C / C	
T14	Telegraph Ave-NB	Russell St	Bancroft Way	Berk	0.77	N	13.5	3 / 4	FC	6	19.9	B / B	FC	6	22.5	B / B	
T15	Dana-Dwight-Telegraph-SB	Bancroft Way	Russell St	Berk	0.90	N	13.9	3 / 4	FC	6	17.4	C / C	FC	6	13.3	C / C	
T16	Telegraph Ave-SB	Russell St	51st Street	Oak - Berk	1.41	N	18.5	3 / 4	FC	6	19.7	B / B	FC	6	17.8	C / C	
T17	Broadway-SB	Broadway/College Ave	Grand Ave	Oak	1.91	N	20.8	2 / 3	INRIX	143	18.1	C / C	INRIX	372	15.5	D / D	
T18	Broadway-SB	Grand Ave	14th St	Oak	0.55	N	18.2	3 / 4	INRIX	885	18.3	C / C	INRIX	1140	14.5	C / C	[1]
T19	Broadway-SB	14th St	5th St/Broadway	Oak	0.48	N	17.9	3 / 4	INRIX	1198	16.8	C / C	INRIX	1058	9.1	D / D	
T20	Broadway (Connection to I-880)-SB	5th St/Broadway	I-880 ON Ramp	Oak	0.21	N	62.9	1 / 1	INRIX	3775	49.2	A / A	FC	6	17.4	D / D	
T21	Broadway (Connection to I-880)-NB	I-880 OFF Ramp	5th St/Broadway	Oak	1.26	N	23.0	1 / 2	FC	6	15.1	E / E	FC	6	21.9	D / D	
T22	Broadway-NB	5th St/Broadway	14th St	Oak	0.48	N	17.1	3 / 4	INRIX	1687	15.1	C / C	INRIX	532	10.9	D / D	
T23	Broadway-NB	14th St	Grand Ave	Oak	0.55	N	18.3	3 / 4	INRIX	1181	16.0	C / C	INRIX	1164	13.2	C / C	[1]
T24	Broadway-NB	Grand Ave	Broadway/College Ave	Oak	1.91	N	21.9	2 / 3	INRIX	516	17.4	D / D	INRIX	234	15.9	D / D	
T25	Durant-EB	Shattuck	College Ave.	Berk	0.73	N	16.0	3 / 4	FC	6	16.3	C / C	FC	6	15.0	C / C	

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CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	FFS	Class 1985/2000	2014 Results				2016 Results				Note
		From	To						Method	n	Speed	LOS 85/00	Method	n	Speed	LOS 85/00	
T26	College Avenue-SB	Bancroft Way/College Ave	Ashby Ave	Berk	0.85	N	16.8	3 / 4	INRIX	501	16.7	C / C	INRIX	807	14.6	C / C	
T27	College Avenue-SB	Ashby Ave	Miles Ave/SR 24 OFF Ramp	Oak - Berk	0.83	N	19.7	3 / 4	INRIX	146	18.9	C / C	INRIX	302	14.6	C / C	
T28	College Avenue-SB	Miles Ave/SR 24 OFF Ramp	Broadway/College Ave	Oak	0.61	N	16.7	3 / 4	INRIX	408	15.2	C / C	INRIX	706	13.6	C / C	
T29	College Avenue-NB	Broadway/College Ave	Miles Ave/SR 24 OFF Ramp	Oak	0.61	N	17.0	3 / 4	INRIX	885	16.8	C / C	INRIX	1149	15.0	C / C	
T30	College Avenue-NB	Miles Ave/SR 24 OFF Ramp	Ashby Ave	Oak - Berk	0.83	N	18.3	3 / 4	INRIX	477	16.5	C / C	INRIX	747	13.1	C / C	
T31	College Avenue-NB	Ashby Ave	Bancroft Way/College Ave	Berk	0.85	N	16.8	3 / 4	INRIX	780	16.4	C / C	INRIX	1079	14.4	C / C	
T32	Bancroft-WB	College Ave.	Shattuck	Berk	0.73	N	12.5	3 / 4	FC	6	14.1	C / C	FC	6	13.8	C / C	
T33	51st Street-EB	SR 24 Off Ramp/52nd St	Broadway	Oak	0.75	N	15.0	3 / 4	FC	9	17.2	C / C	FC	6	16.7	C / C	
T34	51st Street-WB	Broadway	SR 24 Off Ramp/52nd St	Oak	0.75	N	15.7	3 / 4	FC	8	17.9	C / C	FC	6	18.9	C / C	
T35	Shattuck Avenue-NB	51st	Alcatraz Ave.	Oak - Berk	0.81	N	22.8	3 / 4	FC	7	20.9	B / B	FC	6	18.2	C / C	
T36	Shattuck Avenue-NB	Alcatraz Ave.	Adeline St.	Berk	0.70	N	16.7	3 / 4	FC	7	16.7	C / C	FC	6	16.1	C / C	
T37	Shattuck Avenue-SB	Adeline St.	Alcatraz Ave.	Berk	0.70	N	17.1	3 / 4	FC	6	17.1	C / C	FC	6	17.6	C / C	
T38	Shattuck Avenue-SB	Alcatraz Ave.	51st	Oak	0.81	N	17.3	3 / 4	FC	6	18.1	C / C	FC	6	19.9	B / B	
T39	Powell Street-Stanford Avenue-EB	NB I-80 OFF Ramp	San Pablo Ave	Emery	0.75	N	15.5	2 / 3	FC	7	18.5	C / C	FC	6	21.7	C / C	[1]
T40	Powell Street-Stanford Avenue-EB	San Pablo Ave	MLK Jr Way	Oak - Berk	0.76	N	17.0	2 / 3	FC	7	17.4	D / D	FC	6	20.3	C / C	
T41	Powell Street-Stanford Avenue-WB	MLK Jr Way	San Pablo Ave	Oak - Berk	0.76	N	19.1	2 / 3	FC	6	23.0	C / C	FC	6	24.7	B / B	
T42	Powell Street-Stanford Avenue-WB	San Pablo Ave	NB I-80 OFF Ramp	Emery - Oak	0.75	N	15.3	2 / 3	FC	6	15.0	D / D	FC	6	16.9	D / D	[1]
T43	40thStreet-Shellmound Avenue-EB	Shellmound Way (North of Powell St)	40th St	Emery	0.73	N	24.6	2 / 3	FC	7	24.6	B / B	FC	6	29.3	B / B	
T44	40thStreet-Shellmound Avenue-EB	40th St	San Pablo Ave	Emery	0.68	N	16.5	3 / 4	FC	7	25.7	A / A	FC	6	21.9	B / B	

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CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	FFS	Class 1985/2000	2014 Results				2016 Results				Note
		From	To						Method	n	Speed	LOS 85/00	Method	n	Speed	LOS 85/00	
T45	40thStreet-Shellmound Avenue-WB	San Pablo Ave	40th St	Emery	0.68	N	22.0	3 / 4	FC	7	20.6	B / B	FC	6	29.9	A / A	
T46	40thStreet-Shellmound Avenue-WB	40th St	Shellmound Way (North of Powell St)	Emery	0.73	N	29.0	2 / 3	FC	7	29.0	B / B	FC	6	24.7	B / B	
T47	International Boulevard-NB	42nd Ave	Fruitvale Ave	Oak	0.62	N	21.9	3 / 4	INRIX	2602	16.7	C / C	INRIX	2696	11.8	D / D	
T48	International Boulevard-NB	Fruitvale Ave	14th Ave	Oak	1.38	N	22.9	3 / 4	INRIX	2309	22.3	B / B	INRIX	2071	19.5	B / B	
T49	International Boulevard-NB	14th Ave	Lake Merritt Blvd	Oak	0.88	N	22.5	3 / 4	INRIX	2168	20.3	B / B	INRIX	1532	17.3	C / C	
T50	International Boulevard-SB	Lake Merritt Blvd	14th Ave	Oak	0.88	N	21.5	3 / 4	INRIX	441	20.4	B / B	INRIX	295	17.8	C / C	
T51	International Boulevard-SB	14th Ave	Fruitvale Ave	Oak	1.38	N	22.9	3 / 4	INRIX	815	21.9	B / B	INRIX	643	19.7	B / B	
T52	International Boulevard-SB	Fruitvale Ave	42nd Ave	Oak	0.62	N	21.4	3 / 4	INRIX	1170	18.7	C / C	INRIX	1228	14.7	C / C	
T53	73d Ave-NB	International Blvd/73rd Ave	73rd Ave/Foothill Blvd	Oak	1.07	N	28.1	2 / 3	INRIX	2518	23.1	C / C	INRIX	2144	21.3	C / C	
T54	Foothill Boulevard-NB	73rd Ave/Foothill Blvd	Seminary Ave	Oak	1.02	N	20.3	3 / 4	INRIX	261	20.2	B / B	INRIX	151	18.1	C / C	
T55	Foothill Boulevard-NB	Seminary Ave	High Street	Oak	1.22	N	21.5	3 / 4	INRIX	658	21.0	B / B	INRIX	717	18.5	C / C	
T56	Foothill Boulevard-NB	High Street	Fruitvale Ave	Oak	0.90	N	19.8	3 / 4	INRIX	519	16.3	C / C	INRIX	586	10.4	D / D	
T57	Foothill Boulevard-NB	Fruitvale Ave	14th Ave	Oak	1.32	N	22.9	2 / 3	INRIX	113	21.9	C / C	INRIX	804	18.9	C / C	
T58	Foothill Boulevard-NB	14th Ave	1st Ave/Lake Shore Blvd	Oak	0.88	N	20.5	3 / 4	INRIX	267	19.4	B / B	INRIX	103	14.2	C / C	
T60	Foothill Boulevard-SB	14th Ave	Fruitvale Ave	Oak	1.32	N	21.8	2 / 3	INRIX	120	21.9	C / C	INRIX	323	16.9	D / D	
T61	Foothill Boulevard-SB	Fruitvale Ave	High Street	Oak	0.90	N	20.8	3 / 4	INRIX	119	19.6	B / B	INRIX	339	13.8	C / C	
T62	Foothill Boulevard-SB	High Street	Seminary Ave	Oak	1.22	N	20.2	3 / 4	INRIX	292	19.8	B / B	INRIX	413	18.0	C / C	
T63	Foothill Boulevard-SB	Seminary Ave	73rd Ave/Foothill Blvd	Oak	1.02	N	21.2	3 / 4	INRIX	169	21.2	B / B	INRIX	315	16.2	C / C	
T64	73d Ave-SB	73rd Ave/Foothill Blvd	International Blvd/73rd Ave	Oak	1.07	N	26.9	2 / 3	INRIX	783	24.3	B / B	INRIX	1346	21.5	C / C	
T65	E. 15th Street-SB/14th Avenue	1st Avenue	Foothill Blvd/14th Avenue	Oak	0.98	N	14.8	3 / 4	FC	6	13.8	C / C	FC	6	20.0	B / B	
T66	High Street-EB	Otis Drive	Central Ave	Ala	0.58	N	19.7	3 / 4	FC	6	15.9	C / C	INRIX	487	17.3	C / C	

Appendix B | 2016 Level of Service Results

Table B-9: 2016 LOS Monitoring Results for Arterials (Tier 2) - AM Peak Period (INRIX or Floating Car Surveys)

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	FFS	Class 1985/2000	2014 Results				2016 Results				Note
		From	To						Method	n	Speed	LOS 85/00	Method	n	Speed	LOS 85/00	
T67	High Street-EB	Central Ave	Fernside Blvd	Ala	0.48	N	19.3	3 / 4	FC	6	11.5	D / D	INRIX	1717	17.4	C / C	
T68	High Street-EB	Fernside Blvd	NB I-880 OFF Ramp	Ala - Oak	0.50	N	14.8	2 / 3	FC	6	14.0	D / D	INRIX	895	12.2	E / E	
T69	High Street-EB	NB I-880 OFF Ramp	Foothill Blvd	Oak	0.61	N	16.3	3 / 4	FC	6	15.2	C / C	INRIX	1629	13.0	C / D	
T70	High Street-EB	Foothill Blvd	MacArthur Blvd/WB I-580 OFF Ramp	Oak	1.29	N	20.9	3 / 4	FC	6	16.2	C / C	INRIX	1196	18.5	C / C	
T71	High Street-WB	MacArthur Blvd/WB I-580 OFF Ramp	Foothill Blvd	Oak	1.29	N	21.2	3 / 4	FC	6	15.6	C / C	INRIX	514	20.1	B / B	
T72	High Street-WB	Foothill Blvd	NB I-880 OFF Ramp	Oak	0.61	N	16.9	3 / 4	FC	6	12.1	D / D	INRIX	1122	11.6	D / D	
T73	High Street-WB	NB I-880 OFF Ramp	Fernside Blvd	Ala - Oak	0.50	N	21.6	2 / 3	FC	6	18.9	C / C	INRIX	887	17.7	D / D	
T74	High Street-WB	Fernside Blvd	Central Ave	Ala	0.48	N	16.8	3 / 4	FC	6	17.9	C / C	INRIX	1504	20.9	B / B	
T75	High Street-WB	Central Ave	Otis Drive	Ala	0.58	N	24.5	3 / 4	FC	6	19.9	B / B	INRIX	810	16.6	C / C	
T76	Crow Canyon Road/Grove Way-NB	A Street/Redwood Road	EB I-580 ON Ramp/Grove Way	Uninc	0.95	C	29.0	2 / 3	INRIX	1094	23.2	C / C	INRIX	678	22.8	C / C	
T77	Crow Canyon Road/Grove Way-NB	EB I-580 ON Ramp/Grove Way	Cull Canyon	Uninc	0.81	C	32.1	1 / 2	INRIX	1544	24.3	C / C	INRIX	2248	18.4	D / D	
T78	Crow Canyon Road-NB	Cull Canyon	Cold Water Dr	Uninc	0.88	C	42.3	1 / 2	INRIX	1485	39.7	A / A	INRIX	2581	37.8	A / A	
T79	Crow Canyon Road-NB	Cold Water Dr	0.43 miles North of Norris Canyon Rd	Uninc	2.41	C	42.0	Rural / Rural	INRIX	2957	39.3	A / -	INRIX	3342	38.4	A / -	
T80	Crow Canyon Road-NB	0.43 miles North of Norris Canyon Rd	County Line	Uninc	2.97	C	42.0	Rural / Rural	INRIX	3613	39.5	A / -	INRIX	3342	38.4	A / -	
T81	Crow Canyon Road-SB	County Line	0.43 miles North of Norris Canyon Rd	Uninc	2.97	C	41.4	Rural / Rural	INRIX	3686	40.3	A / -	INRIX	3437	40.7	A / -	
T82	Crow Canyon Road-SB	0.43 miles North of Norris Canyon Rd	Cold Water Dr	Uninc	2.40	C	41.4	Rural / Rural	INRIX	3602	40.2	A / -	INRIX	3437	40.7	A / -	
T83	Crow Canyon Road-SB	Cold Water Dr	Cull Canyon	Uninc	0.89	C	41.6	1 / 2	INRIX	2064	39.5	A / A	INRIX	2636	39.0	A / A	
T84	Crow Canyon Road/Grove Way-SB	Cull Canyon	EB I-580 ON Ramp/Grove Way	Uninc	0.82	C	36.1	1 / 2	INRIX	979	30.8	B / B	INRIX	2348	27.5	C / C	
T85	Crow Canyon Road/Grove Way-SB	EB I-580 ON Ramp/Grove Way	A Street/Redwood Road	Uninc	0.94	C	30.7	2 / 3	INRIX	855	27.2	B / B	INRIX	1471	22.4	C / C	

Table B-9: 2016 LOS Monitoring Results for Arterials (Tier 2) - AM Peak Period (INRIX or Floating Car Surveys)

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	FFS	Class 1985/2000	2014 Results				2016 Results				Note
		From	To						Method	n	Speed	LOS 85/00	Method	n	Speed	LOS 85/00	
T86	Winton Avenue - D Street-EB	Hesperian Blvd.	SB I-880 ON Ramp	Hay	0.39	C	25.7	2 / 3	INRIX	3475	22.2	C / C	INRIX	3491	22.4	C / C	
T87	Winton Avenue - D Street-EB	SB I-880 ON Ramp	Santa Clara St	Hay	0.35	C	33.5	2 / 3	INRIX	2523	28.5	B / B	INRIX	3183	25.2	B / B	
T88	Winton Avenue - D Street-EB	Santa Clara St	Soto Rd	Hay	0.55	C	24.1	2 / 3	INRIX	3026	19.7	C / C	INRIX	3350	18.9	C / C	
T89	Winton Avenue - D Street-EB	Soto Rd	Foothill Boulevard/D St	Hay	0.92	C	24.5	2 / 3	INRIX	1410	18.2	C / C	INRIX	2203	13.5	E / E	
T90	Winton Avenue - D Street-WB	Foothill Boulevard/D St	Soto Rd	Hay	0.92	C	27.2	2 / 3	INRIX	1322	19.5	C / C	INRIX	2290	16.6	D / D	
T91	Winton Avenue - D Street-WB	Soto Rd	Santa Clara St	Hay	0.55	C	23.0	2 / 3	INRIX	3445	17.6	D / D	INRIX	3469	17.1	D / D	
T92	Winton Avenue - D Street-WB	Santa Clara St	SB I-880 ON Ramp	Hay	0.35	C	34.7	2 / 3	INRIX	2988	32.9	A / A	INRIX	3243	26.2	B / B	
T93	Winton Avenue - D Street-WB	SB I-880 ON Ramp	Hesperian Blvd.	Hay	0.39	C	24.1	2 / 3	INRIX	3697	14.9	D / D	INRIX	3496	13.5	E / E	
T94	A Street-EB	Foothill Boulevard/A St	Redwood Rd/Grove Way	Hay - Uninc	0.80	C	23.6	2 / 3	FC	6	13.5	E / E	INRIX	2440	21.8	C / C	
T95	A Street-EB	Redwood Rd/Grove Way	EB I-580 ON Ramp/Grove Way	Uninc	0.42	C	18.5	2 / 3	FC	6	14.6	D / D	INRIX	2038	25.7	B / B	
T96	A Street-WB	EB I-580 ON Ramp/Grove Way	Redwood Rd/Grove Way	Uninc	0.42	C	28.8	2 / 3	FC	6	22.0	C / C	INRIX	3405	21.1	C / C	
T97	A Street-WB	Redwood Rd/Grove Way	Foothill Boulevard/A St	Uninc	0.80	C	15.8	2 / 3	FC	6	16.9	D / D	INRIX	3448	15.8	D / D	
T98	Hesperian Boulevard-Union City Blvd-NB	Union City/Alvarado Blvd	Whipple Rd	Uni Cty	0.98	S	26.5	1 / 2	FC	6	22.3	C / C	INRIX	1693	26.4	C / C	
T99	Hesperian Boulevard-Union City Blvd-NB	Whipple Rd	Hesperian/Union City Blvd/overbridge	Uni Cty	0.30	S	32.9	1 / 2	FC	6	25.0	C / C	INRIX	3129	28.9	B / B	
T100	Hesperian Boulevard-Union City Blvd-NB	Hesperian/Union City Blvd/overbridge	Industrial Blvd	Hay	0.57	S	26.4	1 / 2	FC	6	27.8	C / C	INRIX	3021	21.4	D / D	
T101	Hesperian Boulevard-Union City Blvd-NB	Industrial Blvd	Tennyson/Hesperian	Hay	1.05	S	25.2	2 / 3	FC	6	31.3	A / A	INRIX	3303	25.8	B / B	
T102	Hesperian Boulevard-Union City Blvd-SB	Tennyson/Hesperian	Industrial Blvd	Hay	1.05	S	26.8	2 / 3	FC	8	17.7	D / D	INRIX	3427	19.1	C / C	

Appendix B | 2016 Level of Service Results

Table B-9: 2016 LOS Monitoring Results for Arterials (Tier 2) - AM Peak Period (INRIX or Floating Car Surveys)

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	FFS	Class 1985/2000	2014 Results				2016 Results				Note
		From	To						Method	n	Speed	LOS 85/00	Method	n	Speed	LOS 85/00	
T103	Hesperian Boulevard-Union City Blvd-SB	Industrial Blvd	Hesperian/Union City Blvd/overbridge	Hay	0.57	S	19.3	1 / 2	FC	8	18.9	D / D	INRIX	1946	25.6	C / C	
T104	Hesperian Boulevard-Union City Blvd-SB	Hesperian/Union City Blvd/overbridge	Whipple Rd	Uni Cty	0.30	S	22.1	1 / 2	FC	8	21.8	D / D	INRIX	3255	27.2	C / C	
T105	Hesperian Boulevard-Union City Blvd-SB	Whipple Rd	Union City/Alvarado Blvd	Uni Cty	0.98	S	29.5	1 / 2	FC	8	22.4	C / C	INRIX	3069	26.5	C / C	
T106	Alvarado Blvd.-NB	NB I-880 ON Ramp	Deep Creek Rd/SB I-880 OFF Ramp	Fre	0.22	S	30.6	1 / 2	INRIX	1740	27.7	C / C	INRIX	1553	28.9	B / B	
T107	Alvarado Blvd.-NB	Deep Creek Rd/SB I-880 OFF Ramp	Fair Ranch Rd	Uni Cty - Fre	1.42	S	32.4	1 / 2	INRIX	998	29.5	B / B	INRIX	192	20.8	D / D	
T108	Alvarado Blvd.-NB	Fair Ranch Rd	Union City/Alvarado Blvd	Uni Cty	0.51	S	28.5	1 / 2	INRIX	306	26.6	C / C	INRIX	70	15.1	E / E	[2]
T109	Alvarado Blvd.-SB	Union City/Alvarado Blvd	Fair Ranch Rd	Uni Cty	0.51	S	28.1	1 / 2	INRIX	1826	25.7	C / C	INRIX	1918	18.2	D / D	
T110	Alvarado Blvd.-SB	Fair Ranch Rd	Deep Creek Rd/SB I-880 OFF Ramp	Uni Cty - Fre	1.42	S	31.2	1 / 2	INRIX	1766	28.2	B / B	INRIX	1836	24.2	C / C	
T111	Alvarado Blvd.-SB	Deep Creek Rd/SB I-880 OFF Ramp	NB I-880 ON Ramp	Fre	0.22	S	31.6	1 / 2	INRIX	2639	26.0	C / C	INRIX	2758	26.9	C / C	
T112	Fremont Boulevard-NB	NB I-880 OFF Ramp	Automall Parkway	Fre	1.28	S	34.7	1 / 2	INRIX	789	30.6	B / B	INRIX	882	27.1	C / C	
T113	Fremont Boulevard-NB	Automall Parkway	Blacow Rd	Fre	0.91	S	34.2	1 / 2	INRIX	1431	31.2	B / B	INRIX	2640	28.4	B / B	
T114	Fremont Boulevard-NB	Blacow Rd	Adams Ave	Fre	0.38	S	28.0	1 / 2	INRIX	3532	25.1	C / C	INRIX	3300	22.7	C / C	[1]
T115	Fremont Boulevard-NB	Adams Ave	Stevenson Rd	Fre	1.17	S	27.9	2 / 3	INRIX	2848	24.5	B / B	INRIX	2350	22.3	C / C	[1]
T116	Fremont Boulevard-NB	Stevenson Rd	Mowry Ave	Fre	1.00	S	30.2	2 / 3	INRIX	1997	27.4	B / B	INRIX	1316	24.0	B / C	
T117	Fremont Boulevard-NB	Mowry Ave	Peralta Blvd	Fre	1.21	S	30.0	2 / 3	INRIX	1939	25.7	B / B	INRIX	1359	21.4	C / C	
T118	Fremont Boulevard-NB	Peralta Blvd	Thornton Ave	Fre	0.33	S	30.9	2 / 3	INRIX	1608	26.6	B / B	INRIX	1115	16.2	D / D	
T119	Fremont Boulevard-NB	Thornton Ave	Decoto Rd	Fre	1.33	S	32.0	1 / 2	INRIX	1508	28.0	C / C	INRIX	1422	24.4	C / C	[1]
T120	Fremont Boulevard-NB	Decoto Rd	Paseo Padre Pkwy	Fre	0.56	S	31.0	1 / 2	INRIX	1767	30.0	B / B	INRIX	1413	26.7	C / C	[1]
T121	Fremont Boulevard-NB	Paseo Padre Pkwy	NB I-880 OFF Ramp	Fre	0.39	S	31.0	1 / 2	INRIX	1722	30.2	B / B	INRIX	1102	26.2	C / C	[1]
T122	Fremont Boulevard-SB	NB I-880 OFF Ramp	Paseo Padre Pkwy	Fre	0.39	S	32.0	1 / 2	INRIX	1143	29.5	B / B	INRIX	2245	26.5	C / C	
T123	Fremont Boulevard-SB	Paseo Padre Pkwy	Decoto Rd	Fre	0.56	S	29.7	1 / 2	INRIX	1400	23.7	C / C	INRIX	1899	19.7	D / D	[1]
T124	Fremont Boulevard-SB	Decoto Rd	Thornton Ave	Fre	1.33	S	30.2	1 / 2	INRIX	1499	25.5	C / C	INRIX	2119	21.4	D / D	
T125	Fremont Boulevard-SB	Thornton Ave	Peralta Blvd	Fre	0.32	S	29.3	2 / 3	INRIX	1624	22.0	C / C	INRIX	2610	15.4	D / D	

Table B-9: 2016 LOS Monitoring Results for Arterials (Tier 2) - AM Peak Period (INRIX or Floating Car Surveys)

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	FFS	Class 1985/2000	2014 Results				2016 Results				Note
		From	To						Method	n	Speed	LOS 85/00	Method	n	Speed	LOS 85/00	
T126	Fremont Boulevard-SB	Peralta Blvd	Mowry Ave	Fre	1.21	S	29.4	2 / 3	INRIX	1030	24.9	B / B	INRIX	1765	21.8	C / C	
T127	Fremont Boulevard-SB	Mowry Ave	Stevenson Rd	Fre	1.00	S	32.3	2 / 3	INRIX	872	31.7	A / A	INRIX	1516	26.2	B / B	
T128	Fremont Boulevard-SB	Stevenson Rd	Adams Ave	Fre	1.17	S	27.8	2 / 3	INRIX	2047	23.9	C / C	INRIX	2120	22.9	C / C	
T129	Fremont Boulevard-SB	Adams Ave	Blacow Rd	Fre	0.38	S	27.9	1 / 2	INRIX	3497	24.2	C / C	INRIX	3158	23.0	C / C	
T130	Fremont Boulevard-SB	Blacow Rd	Automall Parkway	Fre	0.91	S	33.1	1 / 2	INRIX	900	28.0	C / C	INRIX	2445	23.1	C / C	
T131	Fremont Boulevard-SB	Automall Parkway	NB I-880 OFF Ramp	Fre	1.28	S	34.9	1 / 2	INRIX	1146	29.3	B / B	INRIX	2281	29.3	B / B	
T132	Automall Parkway-EB	NB I-880 OFF Ramp	Fremont Blvd	Fre	0.85	S	23.1	1 / 2	FC	6	23.1	C / C	FC	6	31.9	B / B	
T133	Automall Parkway-EB	Fremont Blvd	NB I-680 ON Ramp	Fre	0.74	S	29.5	1 / 2	FC	6	29.5	B / B	FC	6	17.9	D / D	
T134	Automall Parkway-WB	NB I-680 ON Ramp	Fremont Blvd	Fre	0.75	S	21.1	1 / 2	FC	7	15.1	E / E	FC	6	14.0	E / E	
T135	Automall Parkway-WB	Fremont Blvd	NB I-880 OFF Ramp	Fre	0.85	S	27.1	1 / 2	FC	7	27.1	C / C	FC	6	28.5	B / B	
T136	Vasco Road-NB	WB I-580 OFF Ramp	Scenic Ave	Liv	0.44	E	36.3	1 / 2	INRIX	2818	28.5	B / B	INRIX	2755	28.3	B / B	
T137	Vasco Road-NB	Scenic Ave	Dalton Ave/City-County Line	Liv	0.68	E	37.4	1 / 2	INRIX	3139	31.0	B / B	INRIX	3022	32.2	B / B	
T138	Vasco Road-NB	Dalton Ave/City-County Line	N. Vasco Rd/Vasco Rd	Liv	3.11	E	53.0	Rural / Rural	INRIX	3146	51.5	A / -	INRIX	3136	55.8	A / -	
T139	Vasco Road-NB	N. Vasco Rd/Vasco Rd	Local Road underpass/County Line	Liv	2.25	E	53.0	Rural / Rural	INRIX	3146	51.5	A / -	INRIX	3136	55.8	A / -	
T140	Vasco Road-SB	Local Road underpass/County Line	N. Vasco Rd/Vasco Rd	Liv	2.25	E	46.8	Rural / Rural	INRIX	3894	38.7	B / -	INRIX	3259	35.3	C / -	
T141	Vasco Road-SB	N. Vasco Rd/Vasco Rd	Dalton Ave/City-County Line	Liv	3.11	E	46.8	Rural / Rural	INRIX	3894	38.7	B / -	INRIX	3259	35.3	C / -	
T142	Vasco Road-SB	Dalton Ave/City-County Line	Scenic Ave	Liv	0.68	E	34.3	1 / 2	INRIX	3697	28.6	B / B	INRIX	3254	33.0	B / B	
T143	Vasco Road-SB	Scenic Ave	WB I-580 OFF Ramp	Liv	0.44	E	32.0	1 / 2	INRIX	3371	27.1	C / C	INRIX	2960	32.9	B / B	
T144	Dublin Blvd.-EB	San Ramon Road	Village Parkway	Dub	0.73	E	26.5	2 / 3	INRIX	623	22.9	C / C	INRIX	1476	19.3	C / C	
T145	Dublin Blvd.-EB	Village Parkway	Dougherty Rd	Dub	0.81	E	29.5	2 / 3	INRIX	1681	26.9	B / B	INRIX	1736	24.0	B / C	
T146	Dublin Blvd.-EB	Dougherty Rd	Hacienda Dr	Dub	1.21	E	34.1	1 / 2	INRIX	1264	29.3	B / B	INRIX	983	25.0	C / C	
T147	Dublin Blvd.-EB	Hacienda Dr	Tassajara Dr	Dub	0.89	E	30.2	1 / 2	INRIX	660	28.3	B / B	INRIX	694	22.4	C / C	

Appendix B | 2016 Level of Service Results

Table B-9: 2016 LOS Monitoring Results for Arterials (Tier 2) - AM Peak Period (INRIX or Floating Car Surveys)

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	FFS	Class 1985/2000	2014 Results				2016 Results				Note
		From	To						Method	n	Speed	LOS 85/00	Method	n	Speed	LOS 85/00	
T148	Dublin Blvd.-WB	Tassajara Dr	Hacienda Dr	Dub	0.89	E	29.1	1 / 2	INRIX	479	28.3	B / B	INRIX	841	24.7	C / C	
T149	Dublin Blvd.-WB	Hacienda Dr	Dougherty Rd	Dub	1.21	E	32.8	1 / 2	INRIX	1281	28.2	B / B	INRIX	1035	21.1	D / D	
T150	Dublin Blvd.-WB	Dougherty Rd	Village Parkway	Dub	0.81	E	29.5	2 / 3	INRIX	3593	26.3	B / B	INRIX	2927	23.5	C / C	
T151	Dublin Blvd.-WB	Village Parkway	San Ramon Road	Dub	0.73	E	24.5	2 / 3	INRIX	858	24.7	B / B	INRIX	1650	19.4	C / C	
T152	San Ramon Road-NB	WB I-580 OFF ramp	Silvergate Dr	Dub	0.64	E	30.8	1 / 2	INRIX	996	26.7	C / C	INRIX	1678	22.1	C / C	
T153	San Ramon Road-NB	Silvergate Dr	Alcosta Blvd/Westside Dr/County Line	Dub	0.99	E	35.1	1 / 2	INRIX	1663	31.3	B / B	INRIX	2284	31.9	B / B	
T154	San Ramon Road-SB	Alcosta Blvd/Westside Dr/County Line	Silvergate Dr	Dub	0.99	E	35.8	1 / 2	INRIX	1542	35.0	A / A	INRIX	2238	33.0	B / B	
T155	San Ramon Road-SB	Silvergate Dr	WB I-580 OFF ramp	Dub	0.64	E	32.7	1 / 2	INRIX	478	28.3	B / B	INRIX	1270	23.3	C / C	
T156	Dougherty Road-NB	WB I-580 OFF ramp	Amador Valley Blvd on SB	Dub	1.12	E	35.4	1 / 2	INRIX	3485	29.8	B / B	INRIX	2751	24.4	C / C	
T157	Dougherty Road-NB	Amador Valley Blvd on SB	Fallcreek Rd on SB/County Line	Dub	0.80	E	44.1	1 / 2	INRIX	3430	42.4	A / A	INRIX	2653	42.4	A / A	
T158	Dougherty Road-SB	Fallcreek Rd on SB/County Line	Amador Valley Blvd on SB	Dub	0.80	E	43.1	1 / 2	INRIX	2366	35.4	A / A	INRIX	3041	33.2	B / B	
T159	Dougherty Road-SB	Amador Valley Blvd on SB	WB I-580 OFF ramp	Dub	1.12	E	33.1	1 / 2	INRIX	2291	25.5	C / C	INRIX	2998	21.0	D / D	
T160	Tassajara Road-NB	WB I-580 OFF ramp	Central Parkway	Dub	0.49	E	24.7	1 / 2	FC	6	21.6	D / D	FC	6	16.6	E / E	
T161	Tassajara Road-NB	Central Parkway	Somerset Ln/N Dublin Ranch Dr	Dub	0.68	E	34.3	1 / 2	FC	6	18.5	D / D	FC	6	25.2	C / C	
T162	Tassajara Road-NB	Somerset Ln/N Dublin Ranch Dr	Fallon Rd	Dub	1.04	E	38.4	1 / 2	FC	6	35.2	A / A	FC	6	37.8	A / A	
T163	Tassajara Road-NB	Fallon Rd	County Line	Uninc	0.51	E	35.2	1 / 1	FC	6	35.9	A / B	FC	6	29.6	B / C	
T164	Tassajara Road-SB	County Line	Fallon Rd	Uninc	0.51	E	45.2	1 / 1	FC	6	29.2	B / C	FC	6	42.4	A / A	
T165	Tassajara Road-SB	Fallon Rd	Somerset Ln/N Dublin Ranch Dr	Dub	1.04	E	38.7	1 / 2	FC	6	32.4	B / B	FC	6	39.8	A / A	
T166	Tassajara Road-SB	Somerset Ln/N Dublin Ranch Dr	Central Parkway	Dub	0.68	E	33.8	1 / 2	FC	6	34.3	B / B	FC	6	21.9	D / D	
T167	Tassajara Road-SB	Central Parkway	WB I-580 OFF ramp	Dub	0.49	E	25.7	1 / 2	FC	6	25.7	C / C	FC	6	15.9	E / E	
T168	E. Stanley Blvd - Railroad Avenue - 1st Street-NB	SR 84/Isabel Ave	Murrita Blvd	Liv	0.91	E	31.5	1 / 2	FC	6	31.5	B / B	INRIX	2045	25.9	C / C	

Table B-9: 2016 LOS Monitoring Results for Arterials (Tier 2) - AM Peak Period (INRIX or Floating Car Surveys)

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	FFS	Class 1985/2000	2014 Results				2016 Results				Note
		From	To						Method	n	Speed	LOS 85/00	Method	n	Speed	LOS 85/00	
T169	E. Stanley Blvd - Railroad Avenue - 1st Street-NB	Murrita Blvd	S Livermore Ave	Liv	1.07	E	23.4	2 / 3	FC	6	24.3	B / B	INRIX	910	21.7	C / C	
T170	E. Stanley Blvd - Railroad Avenue - 1st Street-NB	S Livermore Ave	Inman St	Liv	0.46	E	21.7	2 / 3	FC	6	22.8	C / C	INRIX	865	19.4	C / C	
T171	E. Stanley Blvd - Railroad Avenue - 1st Street-SB	Inman St	S Livermore Ave	Liv	0.46	E	20.1	2 / 3	FC	6	21.7	C / C	INRIX	495	18.7	C / C	
T172	E. Stanley Blvd - Railroad Avenue - 1st Street-SB	S Livermore Ave	Murrita Blvd	Liv	1.07	E	26.6	2 / 3	FC	6	26.6	B / B	INRIX	2416	23.1	C / C	
T173	E. Stanley Blvd - Railroad Avenue - 1st Street-SB	Murrita Blvd	SR 84/Isabel Ave	Liv	0.91	E	21.9	1 / 2	FC	6	18.0	D / D	INRIX	3168	35.2	A / A	
T174	Stoneridge Drive-EB	SB I-680 OFF Ramp	Hopyard Rd	Plea	0.93	E	33.2	1 / 2	INRIX	2027	29.6	B / B	INRIX	2023	28.1	B / B	
T175	Stoneridge Drive-EB	Hopyard Rd	Hacienda Dr	Plea	0.49	E	29.8	1 / 2	INRIX	2018	25.7	C / C	INRIX	1397	21.3	D / D	
T176	Stoneridge Drive-EB	Hacienda Dr	W. Las Positas Blvd	Plea	0.63	E	31.1	1 / 2	INRIX	1729	29.7	B / B	INRIX	2134	25.5	C / C	
T177	Stoneridge Drive-EB	W. Las Positas Blvd	Santa Rita Road	Plea	0.44	E	30.0	1 / 2	INRIX	1203	30.6	B / B	INRIX	479	21.6	D / D	
T178	Santa Rita Road-EB	Stoneridge Dr/Santa Rita Road	W. Los Positas Blvd	Plea	0.29	E	31.1	1 / 2	INRIX	3221	31.9	B / B	INRIX	2682	30.2	B / B	
T179	Santa Rita Road-EB	W. Los Positas Blvd	WB I-580 OFF Ramp	Plea	0.88	E	30.3	1 / 2	INRIX	3263	31.4	B / B	INRIX	2653	29.8	B / B	
T180	Santa Rita Road-WB	WB I-580 OFF Ramp	W. Los Positas Blvd	Plea	0.88	E	31.3	1 / 2	INRIX	2822	30.3	B / B	INRIX	2636	29.4	B / B	
T181	Santa Rita Road-WB	W. Los Positas Blvd	Santa Rita Road	Plea	0.29	E	31.5	1 / 2	INRIX	3196	29.7	B / B	INRIX	2856	25.8	C / C	
T182	Stoneridge Drive-WB	Santa Rita Road	W. Las Positas Blvd	Plea	0.44	E	31.8	1 / 2	INRIX	1027	28.9	B / B	INRIX	1401	23.7	C / C	
T183	Stoneridge Drive-WB	W. Las Positas Blvd	Hacienda Dr	Plea	0.63	E	33.8	1 / 2	INRIX	2408	31.4	B / B	INRIX	2896	29.2	B / B	
T184	Stoneridge Drive-WB	Hacienda Dr	Hopyard Rd	Plea	0.49	E	28.8	1 / 2	INRIX	2202	23.6	C / C	INRIX	2361	18.1	D / D	
T185	Stoneridge Drive-WB	Hopyard Rd	SB I-680 OFF Ramp	Plea	0.93	E	32.9	1 / 2	INRIX	2129	28.1	B / B	INRIX	2603	27.9	C / C	
T186	Sunol Blvd. - 1st Street-Stanley Blvd.-NB	NB I-680 OFF	Bernal Ave	Plea	1.23	E	31.2	1 / 2	INRIX	1222	30.4	B / B	INRIX	607	28.1	B / B	[1]
T187	Sunol Blvd. - 1st Street-Stanley Blvd.-NB	Bernal Ave	Ray/Vineyard	Plea	0.63	E	26.1	3 / 4	INRIX	1473	23.6	B / B	INRIX	2035	23.7	B / B	
T188	Sunol Blvd. - 1st Street-Stanley Blvd.-NB	Ray/Vineyard	Bernal Ave/Valley Ave	Plea	0.86	E	32.1	2 / 3	INRIX	231	26.4	B / B	INRIX	618	28.3	B / B	
T189	Sunol Blvd. - 1st Street-Stanley Blvd.-NB	Bernal Ave/Valley Ave	SR 84/Isabel Ave	Plea - Uninc	2.98	E	44.9	1 / 1	INRIX	1934	42.2	A / A	INRIX	2442	47.4	A / A	

Appendix B | 2016 Level of Service Results

Table B-9: 2016 LOS Monitoring Results for Arterials (Tier 2) - AM Peak Period (INRIX or Floating Car Surveys)

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	FFS	Class 1985/2000	2014 Results				2016 Results				Note
		From	To						Method	n	Speed	LOS 85/00	Method	n	Speed	LOS 85/00	
T190	Sunol Blvd.- 1st Street- Stanley Blvd.-SB	SR 84/Isabel Ave	Bernal Ave/Valley Ave	Plea - Uninc	2.98	E	51.0	1 / 1	INRIX	3810	47.9	A / A	INRIX	3246	47.4	A / A	
T191	Sunol Blvd.- 1st Street- Stanley Blvd.-SB	Bernal Ave/Valley Ave	Ray/Vineyard	Plea	0.86	E	34.6	2 / 3	INRIX	2233	27.9	B / B	INRIX	2762	27.3	B / B	
T192	Sunol Blvd.- 1st Street- Stanley Blvd.-SB	Ray/Vineyard	Bernal Ave	Plea	0.63	E	25.4	3 / 4	INRIX	3361	18.1	C / C	INRIX	3080	16.3	C / C	
T193	Sunol Blvd.- 1st Street- Stanley Blvd.-SB	Bernal Ave	NB I-680 OFF	Plea	1.23	E	35.6	1 / 2	INRIX	2491	27.4	C / C	INRIX	3185	25.6	C / C	[1]

Notes

[1] Data impacted by long term construction and recurrent lane closures

[2] Complete Road Closure for part of the Monitoring Period

B.5 | HOV and Express Lanes

Table B-10: 2016 LOS Monitoring Results for HOV/Express Lanes - PM Peak Period (Floating Car Surveys)

CMP ID	CMP Route	Type	Segment Limits		Jurisdiction	Plan Area	Length (mi)	# Lanes	2014 LOS Results			2016 LOS Results			Note
			From	To					# Runs	Speed	LOS	# Runs	Speed	LOS	
H1	I-80 - EB	HOV	Begin of HOV	I-80 HOV/GP Gore	Oak	N	0.7	1	4	21.1	F	6	7.2	F	
H2	I-80 - EB	HOV	I-80 HOV/GP Gore	Powell (Overhead bridge)	Emery - Berk	N	0.6	1	4	10.2	F	6	4.7	F	
H3	I-80 - EB	HOV	Powell (Overhead bridge)	Ashby (Interchange Center Point)	Emery - Berk	N	0.7	1	4	27.7	F	6	17.0	F	
H4	I-80 - EB	HOV	Ashby (Interchange Center Point)	University (Overhead bridge)	Emery - Berk	N	1.3	1	4	32.2	E	6	25.7	F	
H5	I-80 - EB	HOV	University (Overhead bridge)	I-80/580 Split (Divider)	Berk - Alb	N	1.4	1	4	46.2	D	6	44.6	D	
H6	I-80 - EB	HOV	I-80/580 Split (Divider)	County Line	Berk - Alb	N	0.8	1	4	50.3	C	6	58.6	B	
H7	I-80 - WB	HOV	County Line	I-580/80 Merge (Concrete Barrier)	Berk - Alb	N	0.7	1	6	54.9	C	6	64.5	A	
H8	I-80 - WB	HOV	I-580/80 Merge (Concrete Barrier)	University (Overhead Bridge)	Berk - Alb	N	1.5	1	6	49.1	C	6	61.8	A	
H9	I-80 - WB	HOV	University (Overhead Bridge)	Ashby (Interchange Center Point)	Emery - Berk	N	1.3	1	6	42.8	D	6	43.8	D	
H10	I-80 - WB	HOV	Ashby (Interchange Center Point)	Powell (Overhead Bridge)	Emery - Berk	N	0.7	1	6	39.1	E	6	41.5	D	
H11	I-80 - WB	HOV	Powell (Overhead Bridge)	I-80/I-580 (GP Lanes Split)	Emery - Berk	N	0.5	1	6	48.0	D	6	51.5	C	
H12	I-80 - WB	HOV	I-580 Split (ramp)	Toll Plaza	Oak	N	1.3	1	6	50.4	C	6	49.9	C	
H13	I-80 - WB	HOV	Toll Plaza	End of HOV	Oak	N	0.2	1	6	44.8	D	6	14.0	F	
H14	SR 84 - WB	HOV	I-880 NB (off)	Ardenwood/Newark	New	S	1.0	1	6	56.9	B	6	63.0	A	
H15	SR 84 - WB	HOV	Ardenwood/Newark	Paseo Padre Pkwy	New	S	1.2	1	6	62.2	A	6	72.4	A	
H16	SR 84 - WB	HOV	Paseo Padre Pkwy	Toll Gate	Fre	S	0.5	1	6	56.5	B	6	65.6	A	
H17	SR 92 - WB	HOV	Begin of HOV (Hesperian Blvd)	Clawiter	Hay	C	1.2	1	6	69.8	A	6	68.9	A	
H18	SR 92 - WB	HOV	Clawiter	Toll Plaza	Uninc - Hay	C	1.9	1	6	69.6	A	6	67.2	A	
E5	I-580 - EB	HOV	Hacienda	Santa Rita	Plea	E	1.9	1	6	34.4	E	-	-	-	[2]
E6	I-580 - EB	HOV	Santa Rita	El Charro	Uninc - Plea	E	1.3	1	6	40.6	E	-	-	-	[2]
E7	I-580 - EB	HOV	El Charro	SR 84/Airway Blvd.	Uninc	E	1.7	1	6	50.6	C	-	-	-	[2]
E8	I-580 - EB	HOV	SR 84/Airway Blvd.	Portola	Uninc	E	1.7	1	6	48.8	D	-	-	-	[2]
E9	I-580 - EB	HOV	Portola	1st St	Liv	E	2.6	1	6	44.9	D	-	-	-	[2]
E10	I-580 - EB	HOV	1st St	Greenville	Liv - Uninc	E	2.1	1	6	15.5	F	-	-	-	[2]
E1	I-680 - SB	Express Ln	Begin of HOV (Rt 84)	Washington Blvd Entry Point	Uninc - Fre	S	5.8	1	6	66.4	A	5	67.0	A	

Appendix B | 2016 Level of Service Results

Table B-10: 2016 LOS Monitoring Results for HOV/Express Lanes - PM Peak Period (Floating Car Surveys)

CMP ID	CMP Route	Type	Segment Limits		Jurisdiction	Plan Area	Length (mi)	# Lanes	2014 LOS Results			2016 LOS Results			Note
			From	To					# Runs	Speed	LOS	# Runs	Speed	LOS	
E2	I-680 - SB	Express Ln	Washington Blvd Entry Point	Auto Mall Pkwy Exit Point	Fre	S	1.3	1	6	68.6	A	5	68.6	A	
E3	I-680 - SB	Express Ln	Auto Mall Pkwy Exit Point	Mission Blvd Entry Point	Fre	S	1.1	1	6	68.5	A	5	69.2	A	
E4	I-680 - SB	Express Ln	Mission Blvd Entry Point	Ala border (S of Scott Creek Rd)	Fre	S	3.0	1	6	68.5	A	5	70.6	A	
H25	I-880 - NB	HOV	Begin HOV	I-880/I-80 Split (16th Street)	Oak	N	0.2	1	6	61.7	A	6	67.9	A	
H26	I-880 - NB	HOV	I-880/I-80 Split (16th Street)	Toll Plaza	Oak	N	1.4	1	6	58.0	B	6	62.6	A	
H27	I-880 - NB	HOV	Begin HOV (W Grand Ave)	I-880/I-80 Merge	Oak - Emery	N	1.1	1	6	43.8	D	6	36.8	E	
H28	I-880 - NB	HOV	SCL County Line	SR 262/Mission (450 ft s/o Warren Ave Overhead Bridge)	Fre	S	2.0	1	6	24.3	F	6	28.7	F	
H29	I-880 - NB	HOV	SR262/Mission (450 ft s/o Warren Ave Overhead Bridge)	AutoMall Pkwy (Overhead Bridge)	Fre	S	2.4	1	6	36.4	E	6	38.5	E	[1]
H30	I-880 - NB	HOV	AutoMall Pkwy (Overhead Bridge)	Stevenson Blvd (Overhead Bridge)	Fre	S	1.5	1	6	50.7	C	6	42.1	D	
H31	I-880 - NB	HOV	Stevenson Blvd (Overhead Bridge)	Decoto (Overhead Bridge)	Fre	S	4.1	1	6	42.5	D	6	20.3	F	
H32	I-880 - NB	HOV	Decoto (Overhead Bridge)	Alvarado Blvd (Overhead Bridge)	Fre	S	1.2	1	6	32.3	E	6	18.9	F	
H33	I-880 - NB	HOV	Alvarado Blvd (Overhead Bridge)	Alvarado-Niles Rd (Overhead Bridge)	Fre- Uni Cty	S	1.6	1	6	30.4	E	6	24.0	F	
H34	I-880 - NB	HOV	Alvarado-Niles Rd (Overhead Bridge)	Tennyson (Overhead Bridge)	Uni Cty - Hay	S	2.6	1	6	27.2	F	6	21.1	F	
H35	I-880 - NB	HOV	Tennyson (Overhead Bridge)	SR 92 (Overhead Bridge)	Hay	C	1.0	1	6	38.9	E	6	26.2	F	
H36	I-880 - NB	HOV	SR 92 (Overhead Bridge)	A St (Overhead Bridge)	Hay	C	1.7	1	6	41.6	D	6	35.9	E	
H37	I-880 - NB	HOV	A St (Overhead Bridge)	End of HOV	Uninc	C	0.8	1	6	53.0	C	6	52.2	C	
H38	I-880 - SB	HOV	Marina Blvd (Overhead Bridge)	SR 238 WB (Merge)	San L	N	2.6	1	6	63.8	A	6	55.8	B	[1]
H39	I-880 - SB	HOV	SR 238 WB (Merge)	A St (Overhead Bridge)	San L-Uninc	C	1.9	1	6	68.2	A	6	53.1	C	
H40	I-880 - SB	HOV	A St (Overhead Bridge)	Rt 92/Jackson (Overhead Bridge)	Hay	C	1.7	1	6	66.4	A	6	53.7	C	
H41	I-880 - SB	HOV	Rt 92/Jackson (Overhead Bridge)	Tennyson (Overhead Bridge)	Hay	C	1.0	1	6	63.8	A	6	47.4	D	
H42	I-880 - SB	HOV	Tennyson (Overhead Bridge)	Alvarado-Niles (Overhead Bridge)	Hay - Uni Cty	C	2.6	1	6	57.3	B	6	53.6	C	
H43	I-880 - SB	HOV	Alvarado-Niles (Overhead Bridge)	Alvarado (Overhead Bridge)	Uni Cty - Fre	C	1.6	1	6	67.7	A	6	65.6	A	

Table B-10: 2016 LOS Monitoring Results for HOV/Express Lanes - PM Peak Period (Floating Car Surveys)

CMP ID	CMP Route	Type	Segment Limits		Jurisdiction	Plan Area	Length (mi)	# Lanes	2014 LOS Results			2016 LOS Results			Note
			From	To					# Runs	Speed	LOS	# Runs	Speed	LOS	
H44	I-880 - SB	HOV	Alvarado (Overhead Bridge)	Decoto (Overhead Bridge)	Fre	C	1.2	1	6	66.2	A	6	59.7	B	
H45	I-880 - SB	HOV	Decoto (Overhead Bridge)	Stevenson (Overhead Bridge)	Fre	S	4.1	1	6	65.7	A	6	67.4	A	
H46	I-880 - SB	HOV	Stevenson (Overhead Bridge)	AutoMall Pkwy (Overhead Bridge)	Fre	C	1.5	1	6	68.6	A	6	71.1	A	
H47	I-880 - SB	HOV	AutoMall Pkwy (Overhead Bridge)	Rt 262/Mission (Painted Gore)	Fre	C	2.8	1	6	68.8	A	6	69.9	A	[1]
H48	I-880 - SB	HOV	SR 262/Mission (Painted Gore)	SCL County Line	Fre	S	1.6	1	6	70.2	A	6	71.7	A	
H49	I-880 - SB	HOV	Begin HOV (South of Hegenberger)	SR 112/Davis	Oak-San L	N	1.6	1	New Segments			6	62.4	A	
H50	I-880 - SB	HOV	SR 112/Davis	Marina Blvd	San L	N	0.8	1				6	56.4	B	

Notes

[1] Data impacted by longer term construction or recurrent lane closures

[2] I-580 Express Lane Ramp Up Period

Table B-11: 2016 LOS Monitoring Results for HOV/Express Lanes - AM Peak Period (Floating Car Surveys)

CMP ID	CMP Route	Type	Segment Limits		Jurisdiction	Plan Area	Length (mi)	# Lanes	2014 LOS Results			2016 LOS Results			Note
			From	To					# Runs	Speed	LOS	# Runs	Speed	LOS	
H1	I-80 - EB	HOV	Begin of HOV	I-80 HOV/GP Gore	Oak	N	0.7	1	6	55.1	B	6	62.2	A	
H2	I-80 - EB	HOV	I-80 HOV/GP Gore	Powell (Overhead bridge)	Emery - Berk	N	0.6	1	6	59.6	B	6	63.2	A	
H3	I-80 - EB	HOV	Powell (Overhead bridge)	Ashby (Interchange Center Point)	Emery - Berk	N	0.7	1	6	61.4	A	6	67.4	A	
H4	I-80 - EB	HOV	Ashby (Interchange Center Point)	University (Overhead bridge)	Emery - Berk	N	1.3	1	6	60.8	A	6	70.8	A	
H5	I-80 - EB	HOV	University (Overhead bridge)	I-80/580 Split (Divider)	Berk - Alb	N	1.4	1	6	64.1	A	6	70.8	A	
H6	I-80 - EB	HOV	I-80/580 Split (Divider)	County Line	Berk - Alb	N	0.8	1	6	61.4	A	6	66.2	A	
H7	I-80 - WB	HOV	County Line	I-580/80 Merge (Concrete Barrier)	Berk - Alb	N	0.7	1	6	20.4	F	6	37.1	E	
H8	I-80 - WB	HOV	I-580/80 Merge (Concrete Barrier)	University (Overhead Bridge)	Berk - Alb	N	1.5	1	6	28.1	F	6	33.3	E	
H9	I-80 - WB	HOV	University (Overhead Bridge)	Ashby (Interchange Center Point)	Emery - Berk	N	1.3	1	6	34.2	E	6	34.3	E	
H10	I-80 - WB	HOV	Ashby (Interchange Center Point)	Powell (Overhead Bridge)	Emery - Berk	N	0.7	1	6	42.3	D	6	31.5	E	
H11	I-80 - WB	HOV	Powell (Overhead Bridge)	I-80/I-580 (GP Lanes Split)	Emery - Berk	N	0.5	1	6	31.5	E	6	32.6	E	
H12	I-80 - WB	HOV	I-580 Split (ramp)	Toll Plaza	Oak	N	1.3	1	6	30.1	E	6	34.5	E	
H13	I-80 - WB	HOV	Toll Plaza	End of HOV	Oak	N	0.2	1	6	44.9	D	6	48.2	D	

Appendix B | 2016 Level of Service Results

Table B-11: 2016 LOS Monitoring Results for HOV/Express Lanes - AM Peak Period (Floating Car Surveys)

CMP ID	CMP Route	Type	Segment Limits		Jurisdiction	Plan Area	Length (mi)	# Lanes	2014 LOS Results			2016 LOS Results			Note
			From	To					# Runs	Speed	LOS	# Runs	Speed	LOS	
H14	SR 84 - WB	HOV	I-880 NB (off)	Ardenwood/Newark	New	S	1.0	1	6	57.6	B	6	57.6	B	
H15	SR 84 - WB	HOV	Ardenwood/Newark	Paseo Padre Pkwy	New	S	1.2	1	6	57.9	B	6	58.0	B	
H16	SR 84 - WB	HOV	Paseo Padre Pkwy	Toll Gate	Fre	S	0.5	1	6	31.8	E	6	54.3	C	
H17	SR 92 - WB	HOV	Begin of HOV (Hesperian Blvd)	Clawiter	Hay	C	1.2	1	6	25.4	F	6	34.6	E	
H18	SR 92 - WB	HOV	Clawiter	Toll Plaza	Uninc - Hay	C	1.9	1	6	42.1	D	6	39.5	E	
E5	I-580 - EB	HOV	Hacienda	Santa Rita	Plea	E	1.9	1	6	67.4	A	-	-	-	[2]
E6	I-580 - EB	HOV	Santa Rita	El Charro	Uninc - Plea	E	1.3	1	6	74.4	A	-	-	-	[2]
E7	I-580 - EB	HOV	El Charro	SR 84/Airway Blvd.	Uninc	E	1.7	1	6	74.9	A	-	-	-	[2]
E8	I-580 - EB	HOV	SR 84/Airway Blvd.	Portola	Uninc	E	1.7	1	6	73.6	A	-	-	-	[2]
E9	I-580 - EB	HOV	Portola	1st St	Liv	E	2.6	1	6	70.5	A	-	-	-	[2]
E10	I-580 - EB	HOV	1st St	Greenville	Liv - Uninc	E	2.1	1	6	73.3	A	-	-	-	[2]
E1	I-680 - SB	Express Ln	Begin of HOV (Rt 84)	Washington Blvd Entry Point	Uninc - Fre	S	5.8	1	6	64.5	A	6	65.6	A	
E2	I-680 - SB	Express Ln	Washington Blvd Entry Point	Auto Mall Pkwy Exit Point	Fre	S	1.3	1	6	64.0	A	6	66.2	A	
E3	I-680 - SB	Express Ln	Auto Mall Pkwy Exit Point	Mission Blvd Entry Point	Fre	S	1.1	1	6	56.8	B	6	53.3	C	
E4	I-680 - SB	Express Ln	Mission Blvd Entry Point	Ala border (S of Scott Creek Rd)	Fre	S	3.0	1	6	69.0	A	6	68.3	A	
H25	I-880 - NB	HOV	Begin HOV	I-880/I-80 Split (16th Street)	Oak	N	0.2	1	12	54.0	C	6	70.3	A	
H26	I-880 - NB	HOV	I-880/I-80 Split (16th Street)	Toll Plaza	Oak	N	1.4	1	12	44.5	D	6	60.8	A	
H27	I-880 - NB	HOV	Begin HOV (W Grand Ave)	I-880/I-80 Merge	Oak - Emery	N	1.1	1	7	52.5	C	6	60.1	A	
H28	I-880 - NB	HOV	SCL County Line	SR 262/Mission (450 ft s/o Warren Ave Overhead Bridge)	Fre	S	2.0	1	6	70.1	A	6	71.1	A	
H29	I-880 - NB	HOV	SR262/Mission (450 ft s/o Warren Ave Overhead Bridge)	AutoMall Pkwy (Overhead Bridge)	Fre	S	2.4	1	6	70.3	A	6	69.0	A	[1]
H30	I-880 - NB	HOV	AutoMall Pkwy (Overhead Bridge)	Stevenson Blvd (Overhead Bridge)	Fre	S	1.5	1	6	70.1	A	6	70.4	A	
H31	I-880 - NB	HOV	Stevenson Blvd (Overhead Bridge)	Decoto (Overhead Bridge)	Fre	S	4.1	1	6	70.3	A	6	70.2	A	
H32	I-880 - NB	HOV	Decoto (Overhead Bridge)	Alvarado Blvd (Overhead Bridge)	Fre	S	1.2	1	6	69.2	A	6	71.5	A	
H33	I-880 - NB	HOV	Alvarado Blvd (Overhead Bridge)	Alvarado-Niles Rd (Overhead Bridge)	Fre- Uni Cty	S	1.6	1	6	67.2	A	6	69.3	A	

Table B-11: 2016 LOS Monitoring Results for HOV/Express Lanes - AM Peak Period (Floating Car Surveys)

CMP ID	CMP Route	Type	Segment Limits		Jurisdiction	Plan Area	Length (mi)	# Lanes	2014 LOS Results			2016 LOS Results			Note
			From	To					# Runs	Speed	LOS	# Runs	Speed	LOS	
H34	I-880 - NB	HOV	Alvarado-Niles Rd (Overhead Bridge)	Tennyson (Overhead Bridge)	Uni Cty - Hay	S	2.6	1	6	59.0	B	6	67.9	A	
H35	I-880 - NB	HOV	Tennyson (Overhead Bridge)	SR 92 (Overhead Bridge)	Hay	C	1.0	1	6	60.0	B	6	65.1	A	
H36	I-880 - NB	HOV	SR 92 (Overhead Bridge)	A St (Overhead Bridge)	Hay	C	1.7	1	6	61.6	A	6	66.7	A	
H37	I-880 - NB	HOV	A St (Overhead Bridge)	End of HOV	Uninc	C	0.8	1	6	63.1	A	6	67.3	A	
H38	I-880 - SB	HOV	Marina Blvd (Overhead Bridge)	SR 238 WB (Merge)	San L	N	2.6	1	6	46.0	D	6	59.6	B	[1]
H39	I-880 - SB	HOV	SR 238 WB (Merge)	A St (Overhead Bridge)	San L-Uninc	C	1.9	1	6	31.2	E	6	56.9	B	
H40	I-880 - SB	HOV	A St (Overhead Bridge)	Rt 92/Jackson (Overhead Bridge)	Hay	C	1.7	1	5	51.0	C	6	56.1	B	
H41	I-880 - SB	HOV	Rt 92/Jackson (Overhead Bridge)	Tennyson (Overhead Bridge)	Hay	C	1.0	1	5	44.8	D	6	44.1	D	
H42	I-880 - SB	HOV	Tennyson (Overhead Bridge)	Alvarado-Niles (Overhead Bridge)	Hay - Uni Cty	C	2.6	1	5	45.6	D	6	51.8	C	
H43	I-880 - SB	HOV	Alvarado-Niles (Overhead Bridge)	Alvarado (Overhead Bridge)	Uni Cty - Fre	C	1.6	1	5	43.5	D	6	52.4	C	
H44	I-880 - SB	HOV	Alvarado (Overhead Bridge)	Decoto (Overhead Bridge)	Fre	C	1.2	1	5	49.9	C	6	50.2	C	
H45	I-880 - SB	HOV	Decoto (Overhead Bridge)	Stevenson (Overhead Bridge)	Fre	S	4.1	1	5	51.0	C	6	46.4	D	
H46	I-880 - SB	HOV	Stevenson (Overhead Bridge)	AutoMall Pkwy (Overhead Bridge)	Fre	C	1.5	1	5	54.3	C	6	54.0	C	
H47	I-880 - SB	HOV	AutoMall Pkwy (Overhead Bridge)	Rt 262/Mission (Painted Gore)	Fre	C	2.8	1	5	55.3	B	6	56.4	B	[1]
H48	I-880 - SB	HOV	SR 262/Mission (Painted Gore)	SCL County Line	Fre	S	1.6	1	5	58.9	B	6	73.6	A	
H49	I-880 - SB	HOV	Begin HOV (South of Hegenberger)	SR 112/Davis	Oak-San L	N	1.6	1	New Segments			6	68.3	A	
H50	I-880 - SB	HOV	SR 112/Davis	Marina Blvd	San L	N	0.8	1	New Segments			6	67.5	A	

Notes

[1] Data impacted by longer term construction or recurrent lane closures

[2] I-580 Express Lane Ramp Up Period

B.6 | Bridges to SF/Peninsula

Table B-12: 2016 LOS Monitoring Results for Bridges - PM Peak Period (INRIX data)

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	# Lanes	2014 results			2016 results			Note
		From	To					Sample	Speed	LOS	Sample	Speed	LOS	
F151	SR 92 - WB	San M CL	Foster City Boulevard	SM	4.97	C	3	3641	66.0	A	3200	65.8	A	
F152	SR 92 - EB	Foster City Boulevard	San M CL	SM	4.97	C	3	3430	41.0	D	3200	34.4	E	
F153	SR 84 - WB	San M CL	Ravenswood Slough	SM	1.31	S	3	2639	61.7	A	3101	60.0	A	
F154	SR 84 - EB	Ravenswood Slough	San M CL	SM	1.31	S	3	3775	52.3	C	3200	45.3	D	
F155	I-80 - WB	SF County Line	Fremont St Off Ramp	SF	3.32	N	5	3543	28.2	(F30)	2960	25.8	(F30)	
F156	I-80 - EB	Bryant St On Ramp	SF County Line	SF	3.29	N	5	3299	37.0	E	2960	33.5	E	

Notes [1] Data impacted by long term construction and recurrent lane closures

Table B-13: 2016 LOS Monitoring Results for Bridges - AM Peak Period (INRIX data)

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	# Lanes	2014 results			2016 results			Note
		From	To					Sample	Speed	LOS	Sample	Speed	LOS	
F151	SR 92 - WB	San M CL	Foster City Boulevard	SM	4.97	C	3	3656	47.8	D	2914	44.4	D	
F152	SR 92 - EB	Foster City Boulevard	San M CL	SM	4.97	C	3	3772	65.9	A	2675	67.4	A	
F153	SR 84 - WB	San M CL	Ravenswood Slough	SM	1.31	S	3	3772	37.5	E	3026	30.0	E	
F154	SR 84 - EB	Ravenswood Slough	San M CL	SM	1.31	S	3	3290	60.1	A	2895	59.4	B	
F155	I-80 - WB	SF County Line	Fremont St Off Ramp	SF	3.32	N	5	3775	46.3	D	2797	35.4	E	
F156	I-80 - EB	Bryant St On Ramp	SF County Line	SF	3.29	N	5	3540	50.4	C	2797	52.5	C	[1]

Notes [1] Data impacted by long term construction and recurrent lane closures

Table B-14: 2016 LOS Monitoring Results for Bridges - Weekend Peak Period (INRIX data)

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	# Lanes	2014 results			2016 results			Note
		From	To					Sample	Speed	LOS	Samples	Speed	LOS	
F151	SR 92 - WB	San M CL	Foster City Boulevard	SM	4.97	C	3	3081	67.0	A	2397	66.1	A	
F152	SR 92 - EB	Foster City Boulevard	San M CL	SM	4.97	C	3	3056	66.7	A	2387	66.1	A	
F153	SR 84 - WB	San M CL	Ravenswood Slough	SM	1.31	S	3	2047	61.8	A	2233	59.4	B	
F154	SR 84 - EB	Ravenswood Slough	San M CL	SM	1.31	S	3	2272	60.7	A	2288	60.7	A	
F155	I-80 - WB	SF County Line	Fremont St Off Ramp	SF	3.32	N	5	3082	38.3	E	2397	35.0	E	
F156	I-80 - EB	Bryant St On Ramp	SF County Line	SF	3.29	N	5	3089	51.6	C	2397	48.6	D	

Notes [1] Data impacted by long term construction and recurrent lane closures