



Appendix C | 2024 Level of Service Results

This Appendix shows the results for all CMP segments. Tables are organized as follows:

- Table C-1. Alameda County Freeway Inventory
- Table C-2. Alameda County Highway Inventory
- Table C-3. Freeways (Tier 1) – PM Peak Period
- Table C-4. Freeways (Tier 1) – AM Peak Period
- Table C-5. Freeways (Tier 1) – Weekend Midday Period
- Table C-6. Ramps (Tier 1) – PM Peak Period
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- Table C-8. Arterials (Tier 1) – PM Peak Period
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- Table C-10. Arterials (Tier 2) – PM Peak Period
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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



C.1 Alameda County Freeway Inventory

Table C-1. Alameda County Freeway Inventory

Freeway	Direction	Freeway Length (mi) ¹	Express Lanes	Peak Daily Volume ²	2024 AM Peak Congested Miles ³	2024 PM Peak Congested Miles ³
I-80	E/W	8.1	No	293,000 vehicles at I-580	8.9	9.7
I-238	E/W	2.6	No	152,000 vehicles at I-580	2.5	0.0
I-580	E/W	46.6	Yes	251,000 vehicles at I-80	4.1	24.1
I-680	N/S	21.3	Yes	161,000 vehicles at Alcosta Blvd, Dub	4.0	8.5
I-880	N/S	35.4	Yes	278,000 vehicles at Winton Ave, Hay	16.1	16.2
I-908	E/W	2.4	No	114,000 vehicles at 18th St, Oak	0.0	0.0
SR-13	N/S	5.8	No	79,000 vehicles at Broadway Tr	0.0	3.0
SR-24	E/W	4.5	No	172,000 vehicles at SR-13	0.0	4.5
SR-84	E/W	6.2	No	73,000 vehicles at I-880	0.0	1.2
SR-92	E/W	6.7	No	104,000 vehicles at I-880	4.7	0.0

Notes:

1. Freeway lengths represent centerline miles.
2. Peak daily volumes were based on the maximum of average annual daily traffic along the freeway segments within Alameda County. Data was obtained from Caltrans Traffic Census Program, 2022.
3. Congested miles represent directional miles.



C.2 Alameda County Highway Inventory

Table C-2. Alameda County Highway Inventory

Highways	State Route	Cities	Direction	Highway Length (mi) ¹	Peak Daily Volume ²	Average AM Peak Period Auto Speed	Average PM Peak Period Auto Speed
Ashby Ave	SR-13	Berk	E/W	3.82	32,500 at Domingo Ave	21.0	18.0
Doolittle Dr, Otis Dr, Broadway, Encinal Ave, Central Ave, Webster St	SR-61	Ala	N/S	7.62	43,000 at Island Dr	26.4	25.5
42nd Ave	SR-77	Oak	E/W	0.36	19,000 at I-880	23.5	25.6
Niles Canyon, Thornton Ave, Fremont Ave, Peralta Ave, Mowry Ave	SR-84	Fre-Plea-Liv-Unic	N/S & E/W	22.22	63,000 at Thorton Ave/Paseo Padre Pkwy	34.4	35.5
Foothill Ave, Jackson St	SR-92	Hay	E/W	1.71	41,500 at Santa Clara St	23.3	19.9
Davis St	SR-112	San L	E/W	1.79	58,000 at I-880	19.9	18.6
San Pablo Ave	SR-123	Alb-Berk-Emery-Oak	N/S	5.17	28,500 at Alameda/Contra Costa Line	20.7	18.0
International Blvd / East 14 th St	SR-185	Hay-Uni Cty-Fre	N/S	10.10	26,500 at 73rd Ave	19.5	18.2
Mission Blvd	SR-238	Ala-Oak	N/S	14.59	152,000 at SR-185	29.6	27.8
Webster/Posey Tubes	SR-260	Fre	N/S	1.43	32,000 on entire route	27.7	23.1
Mission Blvd	SR-262		E/W	1.67	81,000 at I-680	31.1	27.3

Notes:

1. Freeway lengths represent centerline miles.
2. Peak daily volumes were based on the maximum of average annual daily traffic along the freeway segments within Alameda County. Data was obtained from Caltrans Traffic Census Program, 2022.



C.3 Freeways (Tier 1)

Table C-3. 2024 LOS Monitoring Results for Freeways, PM Peak Period

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	# Lanes	2022 Results			2024 Results		
		From	To					Sample	Speed	LOS	Sample	Speed	LOS
F1	I-80 - EB	SF County Line	Toll Plaza	Oak	2.01	N	5	924	55.0	B	912	53.7	C
F2	I-80 - EB	Toll Plaza	I-580 SB Merge	Oak	1.3	N	6	924	24.9	(F30)	888	18.9	(F20)
F3	I-80 - EB	I-80/I-580 (Merge)	Powell	Emery	0.54	N	6	948	10.1	(F20)	864	12.8	(F20)
F4	I-80 - EB	Powell	Ashby	Emery-Berk	0.72	N	6	948	12.8	(F20)	864	11.6	(F20)
F5	I-80 - EB	Ashby	University	Berk	1.3	N	5	948	18.7	(F20)	816	18.1	(F20)
F6	I-80 - EB	University	Jct I-580 (off)	Berk-Alb	1.37	N	5	876	33.0	E	840	26.9	(F30)
F7	I-80 - EB	Jct I-580 (off)	Central (County Line)	Alb	0.84	N	4	948	42.3	D	912	30.3	E
F8	I-80 - WB	Central (County Line)	Jct I-580	Alb	0.7	N	4	948	67.0	A	936	64.0	A
F9	I-80 - WB	Jct I-580	University	Berk-Alb	1.51	N	6	948	48.5	D	768	51.6	C
F10	I-80 - WB	University	Ashby	Berk	1.31	N	5	924	26.7	(F30)	864	31.6	E
F11	I-80 - WB	Ashby	Powell	Emery	0.71	N	5	948	24.8	(F30)	326	22.3	(F30)
F12	I-80 - WB	Powell	I-80/I-580 (Split)	Emery	0.47	N	6	924	23.9	(F30)	888	24.8	(F30)
F13	I-80 - WB	I-580 Split	Toll Plaza	Oak	1.31	N	8	844	45.2	D	840	52.2	C
F14	I-80 - WB	Toll Plaza	SF County	Oak	2.01	N	4	912	50.0	C	936	42.2	D
F15	I-238 - EB	I-880	I-580	Uninc-San L	2.59	C	3	948	43.0	D	888	33.8	E
F16	I-238 - WB	I-580	I-880	Uninc-San L	2.48	C	3	948	44.9	D	880	38.1	E
F17	I-580 - EB	I-580/I-238 changd fm (I-238/Fthl Off)	Grove	Uninc	2.68	C	5	900	52.3	C	864	41.5	D
F18	I-580 - EB	Grove	Eden Canyon	Uninc-Plea	2.19	E	4	948	48.9	D	816	26.8	(F30)
F19	I-580 - EB	Eden Canyon	San Ramon/ Foothill	Uninc-Plea	4.82	E	4	948	29.7	(F30)	743	19.5	(F20)
F20	I-580 - EB	San Ramon/ Foothill	I-680	Plea	0.71	E	4	948	18.3	(F20)	863	14.1	(F20)
F21	I-580 - EB	I-680	Hopyard	Plea	0.87	E	6	924	18.9	(F20)	840	15.5	(F20)
F22	I-580 - EB	Hopyard	Santa Rita	Plea	1.9	E	6	924	33.1	E	768	27.2	(F30)
F23	I-580 - EB	Santa Rita	El Charro	Uninc-Pleas	1.25	E	6	948	49.4	C	912	46.3	D
F24	I-580 - EB	El Charro	SR 84/Airway Blvd.	Uninc	1.72	E	6	948	58.4	B	888	59.5	B
F25	I-580 - EB	SR 84/Airway Blvd.	Portola	Liv	1.73	E	5	924	62.7	A	888	61.3	A
F26	I-580 - EB	Portola	1st St	Liv	2.56	E	5	922	56.0	B	840	51.6	C
F27	I-580 - EB	1st St	Greenville	Liv	2.13	E	6	946	26.0	(F30)	768	23.6	(F30)



Appendix C | 2024 Level of Service Results

Table C-3. 2024 LOS Monitoring Results for Freeways, PM Peak Period

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	# Lanes	2022 Results			2024 Results		
		From	To					Sample	Speed	LOS	Sample	Speed	LOS
F28	I-580 - EB	Greenville	N.Flynn	Uninc	2.73	E	4	900	18.2	(F20)	888	17.9	(F20)
F29	I-580 - EB	N.Flynn	Grant Line	Uninc	4.32	E	4	924	28.8	(F30)	768	32.1	E
F30	I-580 - EB	Grant Line	I-205 (SJ Co) Off	Uninc	0.87	E	5	948	57.3	B	888	56.1	B
F31	I-580 - WB	I-205 (SJ Co)	Grant Line	Uninc	0.72	E	5	852	71.2	A	864	67.5	A
F32	I-580 - WB	Grant Line	N Flynn	Uninc	4.59	E	4	924	67.6	A	840	66.8	A
F33	I-580 - WB	N Flynn	Greenville Rd	Liv-Uninc	2.43	E	5	948	69.7	A	912	67.7	A
F34	I-580 - WB	Greenville Rd	1st St	Liv	2.21	E	4	948	69.6	A	816	66.0	A
F35	I-580 - WB	1st St	Portola Ave	Liv	2.56	E	4	948	73.2	A	888	68.4	A
F36	I-580 - WB	Portola	SR 84/Airway Blvd	Liv	1.73	E	4	924	69.3	A	912	67.0	A
F37	I-580 - WB	SR 84/Airway Blvd	Fallon Rd/El Charro	Liv-Uninc	1.73	E	4	948	69.6	A	912	66.4	A
F38	I-580 - WB	Fallon Rd/El Charro	Tassajara	Plea	1.23	E	4	948	65.4	A	936	61.1	A
F39	I-580 - WB	Tassajara Rd	I-680	Plea	2.78	E	4	948	58.2	B	792	51.3	C
F40	I-580 - WB	I-680	San Ramon Rd	Plea	0.71	E	4	948	63.4	A	792	55.0	B
F41	I-580 - WB	San Ramon Rd	Eden Canyon	Plea-Uninc	4.82	E	4	948	62.0	A	840	59.2	B
F42	I-580 - WB	Eden Canyon	Center St	Uninc	2.5	E	4	924	67.7	A	912	60.7	A
F43	I-580 - WB	Center	I-580/238	Uninc	2.26	C	5	948	58.7	B	840	57.9	B
F44	I-580 - EB	I-80	I-980	Oak	1.27	N	5	948	24.9	(F30)	864	21.8	(F30)
F45	I-580 - EB	I-980	Harrison	Oak	1.02	N	5	948	20.1	(F30)	768	16.6	(F20)
F46	I-580 - EB	Harrison	Lakeshore	Oak	0.84	N	4	948	22.4	(F30)	864	20.9	(F30)
F47	I-580 - EB	Lakeshore	Coolidge	Oak	2.21	N	5	948	33.8	E	864	28.5	(F30)
F48	I-580 - EB	Coolidge	SH 13 Off	Oak	2.2	N	4	948	33.0	E	768	26.7	(F30)
F49	I-580 - EB	SH 13 Off	MacArthur	Oak	4.08	N	4	924	52.7	C	720	49.1	C
F50	I-580 - EB	MacArthur	I-580/238	San L-Uninc	3.78	C	4	924	62.9	A	864	62.9	A
F51	I-580 - WB	I-238	Foothill/MacArthur	Uninc	3.86	C	4	924	69.8	A	888	62.2	A
F52	I-580 - WB	Foothill/MacArthur	SH 13 Off	Oak	4.04	N	4	924	66.0	A	816	65.4	A
F53	I-580 - WB	SH 13 Off	Fruitvale	Oak	2.63	N	4	924	72.8	A	936	66.7	A
F54	I-580 - WB	Fruitvale	Harrison	Oak	2.68	N	4	924	67.0	A	840	64.3	A
F55	I-580 - WB	Harrison	SH 24 On-ramp	Oak	1.24	N	5	924	70.1	A	840	60.1	A
F56	I-580 - WB	SH-24 On-ramp	I-80/580 Split	Oak	1.17	N	5	924	27.0	(F30)	936	22.1	(F30)



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Table C-3. 2024 LOS Monitoring Results for Freeways, PM Peak Period

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	# Lanes	2022 Results			2024 Results		
		From	To					Sample	Speed	LOS	Sample	Speed	LOS
F57	I-580 - EB	Central (County Line)	I-80 Jct	Alb	0.7	N	2	948	60.6	A	936	56.3	B
F58	I-580 - WB	I-80 Jct	Central (County Line)	Alb	0.86	N	3	948	59.9	B	936	52.3	C
F59	I-680 - NB	Scott Creek Rd	Rt 262/Mission	Fre	2.26	S	3	948	59.6	B	888	46.1	D
F60	I-680 - NB	Rt 262/Mission	Durham Rd	Fre	1.62	S	3	948	64.7	A	936	20.8	(F30)
F61	I-680 - NB	Durham Rd	Washington Blvd	Fre	1.3	S	3	924	41.8	D	936	11.1	(F20)
F62	I-680 - NB	Washington Blvd	Rt 238/Mission	Fre	1.14	S	3	876	40.7	E	792	11.2	(F20)
F63	I-680 - NB	SR 238/Mission	Vargas Rd	Fre	1.1	S	4	948	30.4	E	936	11.8	(F20)
F64	I-680 - NB	Vargas Rd	Andrade Rd	Uninc	2.21	S	4	948	20.3	(F30)	840	12.6	(F20)
F65	I-680 - NB	Andrade Rd	Calaveras	Uninc	1.15	S	3	948	25.1	(F30)	936	18.3	(F20)
F66	I-680 - NB	Calaveras	Rt.84/Vallecitos	Uninc	0.39	S	3	948	38.3	E	864	32.6	E
F67	I-680 - NB	SR 84	Sunol Blvd	Plea-Uninc	3.52	E	3	927	50.8	C	888	63.8	A
F68	I-680 - NB	Sunol Blvd.	Bernal Ave	Plea-Uninc	1.49	E	3	924	35.2	E	888	63.1	A
F69	I-680 - NB	Bernal Ave	Stoneridge Dr	Plea	2.53	E	3	948	46.5	D	888	62.1	A
F70	I-680 - NB	Stoneridge Dr	I-580	Plea	0.74	E	4	948	60.4	A	936	61.2	A
F71	I-680 - NB	I-580	Alcosta	Dub	1.85	E	4	924	62.7	A	864	65.6	A
F72	I-680 - SB	Alcosta	I-580	Dub	1.85	E	5	924	64.8	A	936	65.8	A
F73	I-680 - SB	I-580	Stoneridge Dr	Plea	0.73	E	4	948	61.0	A	888	63.5	A
F74	I-680 - SB	Stoneridge Dr	Bernal	Plea	2.54	E	3	948	65.3	A	864	65.3	A
F75	I-680 - SB	Bernal Ave.	Sunol Blvd	Uninc	1.49	E	3	948	69.3	A	912	62.6	A
F76	I-680 - SB	Sunol Blvd.	SR 84	Uninc	3.71	E	3	948	66.2	A	888	63.9	A
F77	I-680 - SB	SR 84 (Niles Canyon)	Andrade Rd	Uninc	1.33	S	4	948	68.8	A	888	63.9	A
F78	I-680 - SB	Andrade Rd	Sheridon Rd	Uninc	1.4	S	5	948	66.3	A	936	63.0	A
F79	I-680 - SB	Sheridon Rd	Vargas Rd	Uninc	0.81	S	4	948	66.2	A	888	65.7	A
F80	I-680 - SB	Vargas Rd	SR 238/Mission	Fre	1.11	S	4	948	72.7	A	936	67.6	A
F81	I-680 - SB	Rt 238/Mission	Washington Blvd	Fre	1.14	S	4	948	68.5	A	936	67.5	A
F82	I-680 - SB	Washington Blvd	Durham Rd	Fre	1.35	S	4	948	68.6	A	888	67.3	A
F83	I-680 - SB	Durham Rd	Rt 262/Mission	Fre	1.63	S	4	948	63.7	A	864	62.2	A
F84	I-680 - SB	Rt 262/Mission	Scott Creek Rd	Fre	2.25	S	4	948	70.6	A	792	68.3	A
F85	I-880 - NB	Dix Landing	SR 262/Mission	Fre	2.09	S	6	876	46.2	D	864	26.3	(F30)



Appendix C | 2024 Level of Service Results

Table C-3. 2024 LOS Monitoring Results for Freeways, PM Peak Period

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	# Lanes	2022 Results			2024 Results		
		From	To					Sample	Speed	LOS	Sample	Speed	LOS
F86	I-880 - NB	SR 262/Mission	AutoMall Pkwy	Fre	2.43	S	4	923	36.2	E	744	27.4	(F30)
F87	I-880 - NB	AutoMall Pkwy	Stevenson	Fre	1.53	S	4	948	37.6	E	816	35.8	E
F88	I-880 - NB	Stevenson	Decoto	Fre	4.06	S	4	948	46.6	D	816	40.2	E
F89	I-880 - NB	Decoto	Alvarado Blvd	Fre	1.17	S	4	924	24.8	(F30)	888	20.2	(F30)
F90	I-880 - NB	Alvarado Blvd	Alvarado-Niles Blvd	Fre-Uni Cty	1.57	S	4	948	24.6	(F30)	792	20.4	(F30)
F91	I-880 - NB	Alv-Niles	Tennyson	Uni Cty-Hay	2.6	S	4	900	21.1	(F30)	696	19.3	(F20)
F92	I-880 - NB	Tennyson	SR 92	Hay	1.02	C	5	948	29.0	(F30)	888	24.9	(F30)
F93	I-880 - NB	SR 92	A St	Hay	1.68	C	5	948	37.9	E	792	30.4	E
F94	I-880 - NB	A St	I-238 (Marina before 06)	Uninc	1.95	C	5	900	49.8	C	840	49.1	C
F95	I-880 - NB	I-880/I238 (split)	Marina Blvd	San L	2.54	C	5	924	59.8	B	864	56.8	B
F96	I-880 - NB	Marina Blvd	SR 112/Davis	San L	0.82	C	4	948	48.9	D	912	45.6	D
F97	I-880 - NB	SR 112/Davis	Hegenberger	Oak-San L	1.83	C	4	924	53.2	C	672	54.7	C
F98	I-880 - NB	Hegenberger	High/42nd	Oak	2.34	N	4	948	51.1	C	744	49.5	C
F99	I-880 - NB	High/42nd	23rd (1st on)	Oak	1.25	N	4	948	48.7	D	912	49.7	C
F100	I-880 - NB	23RD (1ST on)	Jct 980 (off)	Oak	2.63	N	4	923	50.0	C	816	57.5	B
F101	I-880 - NB	Jct 980 (off)	I-880/I-80 split	Oak	2.43	N	4	924	65.0	A	888	63.7	A
F102	I-880 - aINB	I-880/I-80 (split)	I-880/I-80 (merge)	Oak	1.44	N	4	948	18.4	(F20)	912	20.8	(F30)
F103	I-880 - SB	I-880/I-80 split	I-880/I-80 merge	Oak	1.28	N	4	948	55.3	B	936	49.2	C
F104	I-880 - SB	I-880/I-80 merge	Jct 980	Oak	2.51	N	4	947	34.0	E	864	33.7	E
F105	I-880 - SB	I-980	23rd	Oak	2.74	N	5	851	19.6	(F20)	792	16.0	(F20)
F106	I-880 - SB	23rd St	High/42nd	Oak	1.1	N	5	948	28.2	(F30)	768	28.4	(F30)
F107	I-880 - SB	High/42nd	Hegenberger	Oak	2.36	N	4	936	31.7	E	720	32.7	E
F108	I-880 - SB	Hegenberger	SR 112/Davis	Oak-San L	1.82	N	4	948	48.0	D	648	44.8	D
F109	I-880 - SB	SR 112/Davis	Marina Blvd	San L	0.82	N	4	924	42.4	D	864	38.1	E
F110	I-880 - SB	Marina Blvd	SR 238 WB (merge)	Oak-San L	2.55	N	4	924	44.0	D	768	40.2	E
F111	I-880 - SB	I-238 (Marina before 06)	A St	Uninc	1.91	C	5	852	34.8	E	816	31.9	E
F112	I-880 - SB	A St	Rt 92	Hay	1.7	C	5	924	44.9	D	864	46.3	D
F113	I-880 - SB	Rt 92	Tennyson	Hay	1.01	C	5	948	42.5	D	792	40.6	E
F114	I-880 - SB	Tennyson	Alv-Niles	Hay-Uni Cty	2.6	C	4	948	41.2	D	864	41.6	D



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Table C-3. 2024 LOS Monitoring Results for Freeways, PM Peak Period

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	# Lanes	2022 Results			2024 Results		
		From	To					Sample	Speed	LOS	Sample	Speed	LOS
F115	I-880 - SB	Alvarado-Niles	Alvarado	Uni Cty-Fre	1.56	C	4	948	51.1	C	888	44.8	D
F116	I-880 - SB	Alvarado	Decoto	Fre	1.19	S	4	948	48.0	D	936	37.4	E
F117	I-880 - SB	Decoto	Stevenson	Fre	4.06	S	4	852	44.9	D	720	40.6	E
F118	I-880 - SB	Stevenson	AutoMall Pkwy	Fre	1.52	S	4	948	48.2	D	912	47.2	D
F119	I-880 - SB	AutoMall Pkwy	Rt 262/Mission	Fre	2.83	S	4	948	62.7	A	816	60.6	A
F120	I-880 - SB	SR 262/Mission	Dix Landing(off)	Fre	1.69	S	4	948	64.3	A	936	63.8	A
F121	I-980 - WB	SR 24 @ 580	I-880	Oak	2.49	N	4	948	60.6	A	840	50.8	C
F122	I-980 - EB	I-880	SR 24 @ 580	Oak	2.44	N	4	948	64.3	A	888	56.0	B
F123	SR 13 - NB	Mountain On	Carson/Redwood (1) (off)	Oak	1.27	N	2	948	64.1	A	936	61.3	A
F124	SR 13 - NB	Carson/Redwood (1) (off)	Joaquin Miller	Oak	1.08	N	2	948	63.5	A	936	60.8	A
F125	SR 13 - NB	Joa Miller/Linc	Moraga Ave	Oak	1.83	N	2	948	49.7	C	936	43.8	D
F126	SR 13 - NB	Moraga Ave	Hiller (Sig)	Oak	1.63	N	2	942	20.5	(F30)	841	20.5	(F30)
F127	SR 13 - SB	Hiller Sig	Moraga Ave	Oak	1.6	N	2	948	45.0	D	883	37.8	E
F128	SR 13 - SB	Moraga Ave	Joa Miller/Linc	Oak	1.85	N	2	948	57.2	B	864	46.4	D
F129	SR 13 - SB	Joaq Miller/Lincoln	Redwood	Oak	1.07	N	2	948	58.2	B	936	55.3	B
F130	SR 13 - SB	Redwood	Jct I-580 (EB Merge)	Oak	1.4	N	2	930	20.7	(F30)	840	20.1	(F30)
F131	SR 24 - EB	Jct I-580 (on)	Broadway/SR 13	Oak	1.84	N	4	924	23.5	(F30)	864	17.3	(F20)
F132	SR 24 - EB	Broadway/SR 13	Caldecott (enter)	Oak	1.65	N	4	924	12.9	(F20)	504	11.6	(F20)
F133	SR 24 - EB	Caldecott (enter)	Fish Ranch Road	Oak	1.04	N	4	924	21.7	(F30)	912	19.1	(F20)
F134	SR 24 - WB	Fish Ranch Road (CC)	Caldecott (exit)	Oak	0.99	N	4	900	56.7	B	576	56.8	B
F135	SR 24 - WB	Caldecott (exit)	Broadway	Oak	1.73	N	4	948	66.7	A	504	61.3	A
F136	SR 24 - WB	Broadway	Jct I-580 (on)	Oak	1.86	N	4	948	69.5	A	888	65.6	A
F137	SR 84 - EB	San M CL	Toll Plaza	Fre	3.29	S	3	948	52.2	C	936	48.5	D
F138	SR 84 - EB	Toll Plaza	Thornton	Fre	0.54	S	3	948	65.1	A	936	49.7	C
F139	SR 84 - EB	Thornton Ave/Pascon Padre	Newark Blvd/Ardenwood Blvd	New	1.16	S	3	948	51.5	C	936	54.7	C
F140	SR 84 - EB	Newark Blvd/Ardenwood Blvd	I-880 NB (off)	New	1.2	S	2	948	15.2	(F20)	936	17.8	(F20)
F141	SR 84 - WB	I-880 NB (off)	Ardenwood/Newark	New	1.21	S	3	924	53.2	C	936	51.7	C
F142	SR 84 - WB	Ardenwood/Newark	Paseo Padre Pkwy	New	1.15	S	3	720	66.1	A	936	64.5	A
F143	SR 84 - WB	Paseo Padre Pkwy	Toll Gate	Fre	0.54	S	3	720	59.3	B	936	59.4	B



Appendix C | 2024 Level of Service Results

Table C-3. 2024 LOS Monitoring Results for Freeways, PM Peak Period

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	# Lanes	2022 Results			2024 Results		
		From	To					Sample	Speed	LOS	Sample	Speed	LOS
F144	SR 84 - WB	Toll Plaza	San M CL	Fre	3.29	C	3	948	67.3	A	936	65.1	A
F145	SR 92 - EB	San M CL	Toll Plaza	Hay	2.78	C	3	948	46.5	D	936	39.6	E
F146	SR 92 - EB	Toll Plaza	Clawiter	Hay	1.87	C	3	948	38.9	E	864	38.8	E
F147	SR 92 - EB	Clawiter	I-880	Hay	2.07	C	4	924	29.1	(F30)	816	31.8	E
F148	SR 92 - WB	I-880	Clawiter	Hay	2.05	C	4	948	66.3	A	889	61.0	A
F149	SR 92 - WB	Clawiter	Toll Plaza	Hay	1.88	C	4	264	55.0	B	43	60.4	A
F150	SR 92 - WB	Toll Plaza	San M CL	Hay	2.79	C	3	264	64.8	A	43	65.8	A
F151	SR 92 - WB	San M CL	Foster City Blvd	SM	4.97	C	3	948	65.1	A	936	66.7	A
F152	SR 92 - EB	Foster City Boulevard	San M CL	SM	4.97	C	3	948	43.5	D	936	35.9	E
F153	SR 84 - WB	San M CL	Ravenswood Slough	SM	1.31	S	3	948	63.1	A	936	65.5	A
F154	SR 84 - EB	Ravenswood Slough	San M CL	SM	1.31	S	3	948	51.8	C	936	45.5	D
F155	I-80 - WB	SF County Line	Fremont St Off Ramp	SF	3.32	N	5	948	24.2	(F30)	936	19.0	(F20)
F156	I-80 - EB	Bryant St On Ramp	SF County Line	SF	3.29	N	5	948	30.1	E	936	32.7	E



Appendix C | 2024 Level of Service Results

Table C-4. 2024 LOS Monitoring Results for Freeways, AM Peak Period

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	# Lanes	2022 Results			2024 Results		
		From	To					Sample	Speed	LOS	Sample	Speed	LOS
F1	I-80 - EB	SF County Line	Toll Plaza	Oak	2.01	N	5	960	65.4	A	696	64.1	A
F2	I-80 - EB	Toll Plaza	I-580 SB Merge	Oak	1.3	N	6	888	64.5	A	911	61.2	A
F3	I-80 - EB	I-80/I-580 (Merge)	Powell	Emery	0.54	N	6	960	60.3	A	864	49.6	C
F4	I-80 - EB	Powell	Ashby	Emery-Berk	0.72	N	6	960	66.7	A	936	56.8	B
F5	I-80 - EB	Ashby	University	Berk	1.3	N	5	888	57.7	B	912	60.7	A
F6	I-80 - EB	University	Jct I-580 (off)	Berk-Alb	1.37	N	5	432	66.2	A	864	62.3	A
F7	I-80 - EB	Jct I-580 (off)	Central (County Line)	Alb	0.84	N	4	960	68.1	A	912	63.6	A
F8	I-80 - WB	Central (County Line)	Jct I-580	Alb	0.7	N	4	936	17.2	(F20)	936	14.4	(F20)
F9	I-80 - WB	Jct I-580	University	Berk-Alb	1.51	N	6	864	21.8	(F30)	792	20.2	(F30)
F10	I-80 - WB	University	Ashby	Berk	1.31	N	5	936	30.1	E	912	31.7	E
F11	I-80 - WB	Ashby	Powell	Emery	0.71	N	5	912	37.6	E	294	33.3	E
F12	I-80 - WB	Powell	I-80/I-580 (Split)	Emery	0.47	N	6	912	29.8	(F30)	936	34.4	E
F13	I-80 - WB	I-580 Split	Toll Plaza	Oak	1.31	N	8	721	16.9	(F20)	624	17.7	(F20)
F14	I-80 - WB	Toll Plaza	SF County	Oak	2.01	N	4	816	19.4	(F20)	936	20.5	(F30)
F15	I-238 - EB	I-880	I-580	Uninc-San L	2.59	C	3	936	52.0	C	888	42.5	D
F16	I-238 - WB	I-580	I-880	Uninc-San L	2.48	C	3	840	27.8	(F30)	888	24.8	(F30)
F17	I-580 - EB	I-580/I-238 changd fm (I-238/Fthl Off)	Grove	Uninc	2.68	C	5	888	59.2	B	840	38.4	E
F18	I-580 - EB	Grove	Eden Canyon	Uninc-Plea	2.19	E	4	936	53.2	C	864	40.8	E
F19	I-580 - EB	Eden Canyon	San Ramon/ Foothill	Uninc-Plea	4.82	E	4	840	59.3	B	864	56.3	B
F20	I-580 - EB	San Ramon/ Foothill	I-680	Plea	0.71	E	4	960	58.5	B	936	62.7	A
F21	I-580 - EB	I-680	Hopyard	Plea	0.87	E	6	912	65.7	A	912	64.2	A
F22	I-580 - EB	Hopyard	Santa Rita	Plea	1.9	E	6	912	66.4	A	912	64.3	A
F23	I-580 - EB	Santa Rita	El Charro	Uninc-Pleas	1.25	E	6	936	67.5	A	936	65.5	A
F24	I-580 - EB	El Charro	SR 84/Airway Blvd.	Uninc	1.72	E	6	864	66.7	A	888	65.8	A
F25	I-580 - EB	SR 84/Airway Blvd.	Portola	Liv	1.73	E	5	912	70.5	A	912	66.0	A
F26	I-580 - EB	Portola	1st St	Liv	2.56	E	5	960	67.0	A	912	66.2	A
F27	I-580 - EB	1st St	Greenville	Liv	2.13	E	6	960	63.2	A	912	63.7	A
F28	I-580 - EB	Greenville	N.Flynn	Uninc	2.73	E	4	576	70.5	A	816	64.4	A



Appendix C | 2024 Level of Service Results

Table C-4. 2024 LOS Monitoring Results for Freeways, AM Peak Period

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	# Lanes	2022 Results			2024 Results		
		From	To					Sample	Speed	LOS	Sample	Speed	LOS
F29	I-580 - EB	N.Flynn	Grant Line	Uninc	4.32	E	4	960	70.1	A	936	67.5	A
F30	I-580 - EB	Grant Line	I-205 (SJ Co) Off	Uninc	0.87	E	5	960	71.1	A	936	66.2	A
F31	I-580 - WB	I-205 (SJ Co)	Grant Line	Uninc	0.72	E	5	936	17.2	(F20)	816	14.4	(F20)
F32	I-580 - WB	Grant Line	N Flynn	Uninc	4.59	E	4	960	31.5	E	864	31.0	E
F33	I-580 - WB	N Flynn	Greenville Rd	Liv-Uninc	2.43	E	5	912	57.6	B	840	60.0	A
F34	I-580 - WB	Greenville Rd	1st St	Liv	2.21	E	4	864	52.3	C	864	57.9	B
F35	I-580 - WB	1st St	Portola Ave	Liv	2.56	E	4	888	46.8	D	912	54.1	C
F36	I-580 - WB	Portola	SR 84/Airway Blvd	Liv	1.73	E	4	840	40.5	E	936	46.7	D
F37	I-580 - WB	SR 84/Airway Blvd	Fallon Rd/El Charro	Liv-Uninc	1.73	E	4	960	37.2	E	888	48.7	D
F38	I-580 - WB	Fallon Rd/El Charro	Tassajara	Plea	1.23	E	4	864	35.6	E	888	45.9	D
F39	I-580 - WB	Tassajara Rd	I-680	Plea	2.78	E	4	840	43.2	D	816	50.0	C
F40	I-580 - WB	I-680	San Ramon Rd	Plea	0.71	E	4	912	67.1	A	912	60.5	A
F41	I-580 - WB	San Ramon Rd	Eden Caynon	Plea-Uninc	4.82	E	4	936	64.8	A	936	59.8	B
F42	I-580 - WB	Eden Canyon	Center St	Uninc	2.5	E	4	864	64.7	A	936	55.6	B
F43	I-580 - WB	Center	I-580/238	Uninc	2.26	C	5	936	51.0	C	864	46.7	D
F44	I-580 - EB	I-80	I-980	Oak	1.27	N	5	840	57.8	B	912	55.9	B
F45	I-580 - EB	I-980	Harrison	Oak	1.02	N	5	912	75.4	A	864	63.1	A
F46	I-580 - EB	Harrison	Lakeshore	Oak	0.84	N	4	936	62.4	A	864	64.6	A
F47	I-580 - EB	Lakeshore	Coolidge	Oak	2.21	N	5	888	67.2	A	792	65.1	A
F48	I-580 - EB	Coolidge	SH 13 Off	Oak	2.2	N	4	936	69.6	A	912	65.7	A
F49	I-580 - EB	SH 13 Off	MacArthur	Oak	4.08	N	4	864	70.5	A	840	65.8	A
F50	I-580 - EB	MacArthur	I-580/238	San L-Uninc	3.78	C	4	840	67.4	A	912	67.2	A
F51	I-580 - WB	I-238	Foothill/MacArthur	Uninc	3.86	C	4	864	60.5	A	840	59.3	B
F52	I-580 - WB	Foothill/MacArthur	SH 13 Off	Oak	4.04	N	4	768	39.8	E	816	34.6	E
F53	I-580 - WB	SH 13 Off	Fruitvale	Oak	2.63	N	4	816	32.7	E	840	29.2	(F30)
F54	I-580 - WB	Fruitvale	Harrison	Oak	2.68	N	4	888	50.5	C	936	44.8	D
F55	I-580 - WB	Harrison	SH 24 On-ramp	Oak	1.24	N	5	864	52.4	C	840	46.4	D
F56	I-580 - WB	SH-24 On-ramp	I-80/580 Split	Oak	1.17	N	5	888	29.6	(F30)	912	33.7	E
F57	I-580 - EB	Central (County Line)	I-80 Jct	Alb	0.7	N	2	960	19.8	(F20)	936	16.7	(F20)



Appendix C | 2024 Level of Service Results

Table C-4. 2024 LOS Monitoring Results for Freeways, AM Peak Period

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	# Lanes	2022 Results			2024 Results		
		From	To					Sample	Speed	LOS	Sample	Speed	LOS
F58	I-580 - WB	I-80 Jct	Central (County Line)	Alb	0.86	N	3	960	66.2	A	912	61.2	A
F59	I-680 - NB	Scott Creek Rd	Rt 262/Mission	Fre	2.26	S	3	912	64.6	A	912	64.6	A
F60	I-680 - NB	Rt 262/Mission	Durham Rd	Fre	1.62	S	3	912	70.5	A	912	65.3	A
F61	I-680 - NB	Durham Rd	Washington Blvd	Fre	1.3	S	3	912	65.3	A	936	60.3	A
F62	I-680 - NB	Washington Blvd	Rt 238/Mission	Fre	1.14	S	3	912	68.2	A	935	58.5	B
F63	I-680 - NB	SR 238/Mission	Vargas Rd	Fre	1.1	S	4	840	67.2	A	936	63.2	A
F64	I-680 - NB	Vargas Rd	Andrade Rd	Uninc	2.21	S	4	840	67.4	A	936	65.2	A
F65	I-680 - NB	Andrade Rd	Calaveras	Uninc	1.15	S	3	912	67.6	A	936	63.5	A
F66	I-680 - NB	Calaveras	Rt.84/Vallecitos	Uninc	0.39	S	3	912	66.9	A	888	59.6	B
F67	I-680 - NB	SR 84	Sunol Blvd	Plea-Uninc	3.52	E	3	809	69.4	A	912	64.8	A
F68	I-680 - NB	Sunol Blvd.	Bernal Ave	Plea-Uninc	1.49	E	3	864	67.3	A	912	64.7	A
F69	I-680 - NB	Bernal Ave	Stoneridge Dr	Plea	2.53	E	3	888	69.1	A	888	65.1	A
F70	I-680 - NB	Stoneridge Dr	I-580	Plea	0.74	E	4	912	71.1	A	912	64.1	A
F71	I-680 - NB	I-580	Alcosta	Dub	1.85	E	4	888	64.4	A	888	63.4	A
F72	I-680 - SB	Alcosta	I-580	Dub	1.85	E	5	864	66.8	A	936	64.0	A
F73	I-680 - SB	I-580	Stoneridge Dr	Plea	0.73	E	4	840	46.3	D	912	34.9	E
F74	I-680 - SB	Stoneridge Dr	Bernal	Plea	2.54	E	3	888	40.3	E	912	22.0	(F30)
F75	I-680 - SB	Bernal Ave.	Sunol Blvd	Uninc	1.49	E	3	888	37.0	E	912	21.7	(F30)
F76	I-680 - SB	Sunol Blvd.	SR 84	Uninc	3.71	E	3	864	43.7	D	864	35.0	E
F77	I-680 - SB	SR 84 (Niles Canyon)	Andrade Rd	Uninc	1.33	S	4	864	62.0	A	888	50.8	C
F78	I-680 - SB	Andrade Rd	Sheridon Rd	Uninc	1.4	S	5	888	60.9	A	912	53.9	C
F79	I-680 - SB	Sheridon Rd	Vargas Rd	Uninc	0.81	S	4	912	62.7	A	912	58.6	B
F80	I-680 - SB	Vargas Rd	SR 238/Mission	Fre	1.11	S	4	912	69.1	A	912	59.0	B
F81	I-680 - SB	Rt 238/Mission	Washington Blvd	Fre	1.14	S	4	864	65.1	A	888	56.7	B
F82	I-680 - SB	Washington Blvd	Durham Rd	Fre	1.35	S	4	888	57.1	B	888	44.8	D
F83	I-680 - SB	Durham Rd	Rt 262/Mission	Fre	1.63	S	4	888	52.6	C	912	49.3	C
F84	I-680 - SB	Rt 262/Mission	Scott Creek Rd	Fre	2.25	S	4	816	68.8	A	912	65.9	A
F85	I-880 - NB	Dix Landing	SR 262/Mission	Fre	2.09	S	6	936	67.5	A	840	64.2	A
F86	I-880 - NB	SR 262/Mission	AutoMall Pkwy	Fre	2.43	S	4	960	63.4	A	888	61.6	A



Appendix C | 2024 Level of Service Results

Table C-4. 2024 LOS Monitoring Results for Freeways, AM Peak Period

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	# Lanes	2022 Results			2024 Results		
		From	To					Sample	Speed	LOS	Sample	Speed	LOS
F87	I-880 - NB	AutoMall Pkwy	Stevenson	Fre	1.53	S	4	936	63.2	A	864	60.6	A
F88	I-880 - NB	Stevenson	Decoto	Fre	4.06	S	4	960	65.4	A	816	58.5	B
F89	I-880 - NB	Decoto	Alvarado Blvd	Fre	1.17	S	4	912	63.2	A	888	60.3	A
F90	I-880 - NB	Alvarado Blvd	Alvarado-Niles Blvd	Fre-Uni Cty	1.57	S	4	936	57.4	B	888	57.4	B
F91	I-880 - NB	Alv-Niles	Tennyson	Uni Cty-Hay	2.6	S	4	792	44.2	D	720	44.1	D
F92	I-880 - NB	Tennyson	SR 92	Hay	1.02	C	5	888	51.7	C	912	47.3	D
F93	I-880 - NB	SR 92	A St	Hay	1.68	C	5	912	51.8	C	864	51.7	C
F94	I-880 - NB	A St	I-238 (Marina before 06)	Uninc	1.95	C	5	960	47.5	D	912	49.0	D
F95	I-880 - NB	I-880/I238 (split)	Marina Blvd	San L	2.54	C	5	936	32.3	E	744	28.5	(F30)
F96	I-880 - NB	Marina Blvd	SR 112/Davis	San L	0.82	C	4	888	27.1	(F30)	864	26.1	(F30)
F97	I-880 - NB	SR 112/Davis	Hegenberger	Oak-San L	1.83	C	4	888	31.1	E	792	27.7	(F30)
F98	I-880 - NB	Hegenberger	High/42nd	Oak	2.34	N	4	936	28.4	(F30)	816	22.5	(F30)
F99	I-880 - NB	High/42nd	23rd (1st on)	Oak	1.25	N	4	960	34.2	E	792	30.4	E
F100	I-880 - NB	23RD (1ST on)	Jct 980 (off)	Oak	2.63	N	4	796	53.5	C	840	47.1	D
F101	I-880 - NB	Jct 980 (off)	I-880/I-80 split	Oak	2.43	N	4	864	63.4	A	888	61.0	A
F102	I-880 - aINB	I-880/I-80 (split)	I-880/I-80 (merge)	Oak	1.44	N	4	960	55.7	B	936	56.4	B
F103	I-880 - SB	I-880/I-80 split	I-880/I-80 merge	Oak	1.28	N	4	936	57.4	B	936	52.2	C
F104	I-880 - SB	I-880/I-80 merge	Jct 980	Oak	2.51	N	4	936	65.1	A	840	61.8	A
F105	I-880 - SB	I-980	23rd	Oak	2.74	N	5	936	55.1	B	816	45.7	D
F106	I-880 - SB	23rd St	High/42nd	Oak	1.1	N	5	864	53.1	C	888	46.4	D
F107	I-880 - SB	High/42nd	Hegenberger	Oak	2.36	N	4	960	61.6	A	864	58.5	B
F108	I-880 - SB	Hegenberger	SR 112/Davis	Oak-San L	1.82	N	4	936	63.4	A	888	59.8	B
F109	I-880 - SB	SR 112/Davis	Marina Blvd	San L	0.82	N	4	960	60.0	B	888	61.6	A
F110	I-880 - SB	Marina Blvd	SR 238 WB (merge)	Oak-San L	2.55	N	4	888	43.2	D	840	46.1	D
F111	I-880 - SB	I-238 (Marina before 06)	A St	Uninc	1.91	C	5	912	25.1	(F30)	840	22.8	(F30)
F112	I-880 - SB	A St	Rt 92	Hay	1.7	C	5	840	35.1	E	816	32.6	E
F113	I-880 - SB	Rt 92	Tennyson	Hay	1.01	C	5	936	27.7	(F30)	840	23.2	(F30)
F114	I-880 - SB	Tennyson	Alv-Niles	Hay-Uni Cty	2.6	C	4	912	25.7	(F30)	840	21.0	(F30)
F115	I-880 - SB	Alvarado-Niles	Alvarado	Uni Cty-Fre	1.56	C	4	936	29.5	(F30)	840	25.8	(F30)



Appendix C | 2024 Level of Service Results

Table C-4. 2024 LOS Monitoring Results for Freeways, AM Peak Period

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	# Lanes	2022 Results			2024 Results		
		From	To					Sample	Speed	LOS	Sample	Speed	LOS
F116	I-880 - SB	Alvarado	Decoto	Fre	1.19	S	4	936	40.6	E	864	32.0	E
F117	I-880 - SB	Decoto	Stevenson	Fre	4.06	S	4	840	38.9	E	744	22.5	(F30)
F118	I-880 - SB	Stevenson	AutoMall Pkwy	Fre	1.52	S	4	912	45.4	D	864	36.3	E
F119	I-880 - SB	AutoMall Pkwy	Rt 262/Mission	Fre	2.83	S	4	912	59.5	B	888	47.2	D
F120	I-880 - SB	SR 262/Mission	Dix Landing(off)	Fre	1.69	S	4	936	63.3	A	936	56.1	B
F121	I-980 - WB	SR 24 @ 580	I-880	Oak	2.49	N	4	957	62.9	A	840	61.5	A
F122	I-980 - EB	I-880	SR 24 @ 580	Oak	2.44	N	4	960	67.1	A	912	60.0	A
F123	SR 13 - NB	Mountain On	Carson/Redwood (1) (off)	Oak	1.27	N	2	960	48.0	D	936	44.2	D
F124	SR 13 - NB	Carson/Redwood (1) (off)	Joaquin Miller	Oak	1.08	N	2	960	41.2	D	936	38.8	E
F125	SR 13 - NB	Joa Miller/Linc	Moraga Ave	Oak	1.83	N	2	960	44.8	D	936	39.6	E
F126	SR 13 - NB	Moraga Ave	Hiller (Sig)	Oak	1.63	N	2	906	45.3	D	897	36.3	E
F127	SR 13 - SB	Hiller Sig	Moraga Ave	Oak	1.6	N	2	868	53.8	C	838	53.4	C
F128	SR 13 - SB	Moraga Ave	Joa Miller/Linc	Oak	1.85	N	2	912	67.5	A	936	62.1	A
F129	SR 13 - SB	Joaq Miller/Lincoln	Redwood	Oak	1.07	N	2	960	66.3	A	936	64.3	A
F130	SR 13 - SB	Redwood	Jct I-580 (EB Merge)	Oak	1.4	N	2	716	61.4	A	912	56.3	B
F131	SR 24 - EB	Jct I-580 (on)	Broadway/SR 13	Oak	1.84	N	4	960	64.5	A	912	63.0	A
F132	SR 24 - EB	Broadway/SR 13	Caldecott (enter)	Oak	1.65	N	4	840	64.9	A	576	53.3	C
F133	SR 24 - EB	Caldecott (enter)	Fish Ranch Road	Oak	1.04	N	4	840	45.4	D	936	43.9	D
F134	SR 24 - WB	Fish Ranch Road (CC)	Caldecott (exit)	Oak	0.99	N	4	912	54.7	C	576	50.8	C
F135	SR 24 - WB	Caldecott (exit)	Broadway	Oak	1.73	N	4	909	64.6	A	480	60.6	A
F136	SR 24 - WB	Broadway	Jct I-580 (on)	Oak	1.86	N	4	957	56.8	B	936	50.1	C
F137	SR 84 - EB	San M CL	Toll Plaza	Fre	3.29	S	3	960	66.3	A	936	65.7	A
F138	SR 84 - EB	Toll Plaza	Thornton	Fre	0.54	S	3	960	75.4	A	936	62.8	A
F139	SR 84 - EB	Thornton Ave/Pascon Padre	Newark Blvd/Ardenwood Blvd	New	1.16	S	3	960	63.9	A	936	63.0	A
F140	SR 84 - EB	Newark Blvd/Ardenwood Blvd	I-880 NB (off)	New	1.2	S	2	960	53.0	C	932	49.2	C
F141	SR 84 - WB	I-880 NB (off)	Ardenwood/Newark	New	1.21	S	3	912	52.1	C	936	49.1	C
F142	SR 84 - WB	Ardenwood/Newark	Paseo Padre Pkwy	New	1.15	S	3	720	59.6	B	936	62.2	A
F143	SR 84 - WB	Paseo Padre Pkwy	Toll Gate	Fre	0.54	S	3	720	52.4	C	936	55.7	B
F144	SR 84 - WB	Toll Plaza	San M CL	Fre	3.29	C	3	960	65.2	A	936	56.4	B



Appendix C | 2024 Level of Service Results

Table C-4. 2024 LOS Monitoring Results for Freeways, AM Peak Period

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	# Lanes	2022 Results			2024 Results		
		From	To					Sample	Speed	LOS	Sample	Speed	LOS
F145	SR 92 - EB	San M CL	Toll Plaza	Hay	2.78	C	3	960	68.5	A	816	67.6	A
F146	SR 92 - EB	Toll Plaza	Clawiter	Hay	1.87	C	3	960	63.6	A	936	65.4	A
F147	SR 92 - EB	Clawiter	I-880	Hay	2.07	C	4	960	58.7	B	793	58.4	B
F148	SR 92 - WB	I-880	Clawiter	Hay	2.05	C	4	960	57.2	B	864	44.0	D
F149	SR 92 - WB	Clawiter	Toll Plaza	Hay	1.88	C	4	833	33.4	E	542	19.7	(F20)
F150	SR 92 - WB	Toll Plaza	San M CL	Hay	2.79	C	3	878	40.8	E	576	28.1	(F30)
F151	SR 92 - WB	San M CL	Foster City Blvd	SM	4.97	C	3	960	42.5	D	932	35.2	E
F152	SR 92 - EB	Foster City Boulevard	San M CL	SM	4.97	C	3	960	65.9	A	936	66.9	A
F153	SR 84 - WB	San M CL	Ravenswood Slough	SM	1.31	S	3	960	56.2	B	936	42.6	D
F154	SR 84 - EB	Ravenswood Slough	San M CL	SM	1.31	S	3	960	63.4	A	936	64.1	A
F155	I-80 - WB	SF County Line	Fremont St Off Ramp	SF	3.32	N	5	960	31.2	E	936	27.4	(F30)
F156	I-80 - EB	Bryant St On Ramp	SF County Line	SF	3.29	N	5	960	51.5	C	936	55.2	B



Appendix C | 2024 Level of Service Results

Table C-5. 2024 LOS Monitoring Results for Freeways, Weekend Midday Peak Period

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	# Lanes	2022 Results			2024 Results		
		From	To					Sample	Speed	LOS	Sample	Speed	LOS
F1	I-80 - EB	SF County Line	Toll Plaza	Oak	2.01	N	5	624	63.6	A	624	61.9	A
F2	I-80 - EB	Toll Plaza	I-580 SB Merge	Oak	1.3	N	6	528	60.2	A	511	48.3	D
F3	I-80 - EB	I-80/I-580 (Merge)	Powell	Emery	0.54	N	6	624	24.6	(F30)	528	23.4	(F30)
F4	I-80 - EB	Powell	Ashby	Emery-Berk	0.72	N	6	624	23.7	(F30)	624	21.2	(F30)
F5	I-80 - EB	Ashby	University	Berk	1.3	N	5	552	34.6	E	576	34.8	E
F6	I-80 - EB	University	Jct I-580 (off)	Berk-Alb	1.37	N	5	528	54.9	C	600	50.8	C
F7	I-80 - EB	Jct I-580 (off)	Central (County Line)	Alb	0.84	N	4	576	67.7	A	624	61.2	A
F8	I-80 - WB	Central (County Line)	Jct I-580	Alb	0.7	N	4	600	33.4	E	576	26.1	(F30)
F9	I-80 - WB	Jct I-580	University	Berk-Alb	1.51	N	6	504	19.5	(F20)	456	20.4	(F30)
F10	I-80 - WB	University	Ashby	Berk	1.31	N	5	552	20.8	(F30)	576	24.8	(F30)
F11	I-80 - WB	Ashby	Powell	Emery	0.71	N	5	576	25.4	(F30)	170	24.7	(F30)
F12	I-80 - WB	Powell	I-80/I-580 (Split)	Emery	0.47	N	6	600	25.4	(F30)	600	29.0	(F30)
F13	I-80 - WB	I-580 Split	Toll Plaza	Oak	1.31	N	8	514	34.4	E	504	30.8	E
F14	I-80 - WB	Toll Plaza	SF County	Oak	2.01	N	4	576	28.7	(F30)	576	31.1	E
F15	I-238 - EB	I-880	I-580	Uninc-San L	2.59	C	3	552	56.7	B	624	51.5	C
F16	I-238 - WB	I-580	I-880	Uninc-San L	2.48	C	3	576	39.1	E	538	33.9	E
F17	I-580 - EB	I-580/I-238 changd fm (I-238/Fthl Off)	Grove	Uninc	2.68	C	5	600	63.9	A	576	52.7	C
F18	I-580 - EB	Grove	Eden Canyon	Uninc-Plea	2.19	E	4	624	55.3	B	576	51.6	C
F19	I-580 - EB	Eden Canyon	San Ramon/ Foothill	Uninc-Plea	4.82	E	4	528	59.8	B	576	57.3	B
F20	I-580 - EB	San Ramon/ Foothill	I-680	Plea	0.71	E	4	624	55.8	B	624	51.2	C
F21	I-580 - EB	I-680	Hopyard	Plea	0.87	E	6	576	52.0	C	600	52.6	C
F22	I-580 - EB	Hopyard	Santa Rita	Plea	1.9	E	6	621	56.6	B	624	58.6	B
F23	I-580 - EB	Santa Rita	El Charro	Uninc-Pleas	1.25	E	6	576	66.7	A	624	63.7	A
F24	I-580 - EB	El Charro	SR 84/Airway Blvd.	Uninc	1.72	E	6	624	68.5	A	624	67.3	A
F25	I-580 - EB	SR 84/Airway Blvd.	Portola	Liv	1.73	E	5	624	73.4	A	600	68.6	A
F26	I-580 - EB	Portola	1st St	Liv	2.56	E	5	600	69.4	A	576	69.3	A
F27	I-580 - EB	1st St	Greenville	Liv	2.13	E	6	552	63.2	A	624	68.0	A
F28	I-580 - EB	Greenville	N.Flynn	Uninc	2.73	E	4	600	61.0	A	624	63.7	A
F29	I-580 - EB	N.Flynn	Grant Line	Uninc	4.32	E	4	576	60.4	A	624	62.9	A



Appendix C | 2024 Level of Service Results

Table C-5. 2024 LOS Monitoring Results for Freeways, Weekend Midday Peak Period

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	# Lanes	2022 Results			2024 Results		
		From	To					Sample	Speed	LOS	Sample	Speed	LOS
F30	I-580 - EB	Grant Line	I-205 (SJ Co) Off	Uninc	0.87	E	5	576	66.1	A	624	67.9	A
F31	I-580 - WB	I-205 (SJ Co)	Grant Line	Uninc	0.72	E	5	576	59.7	B	624	54.6	C
F32	I-580 - WB	Grant Line	N Flynn	Uninc	4.59	E	4	552	57.6	B	624	54.5	C
F33	I-580 - WB	N Flynn	Greenville Rd	Liv-Uninc	2.43	E	5	600	66.9	A	600	66.9	A
F34	I-580 - WB	Greenville Rd	1st St	Liv	2.21	E	4	576	70.0	A	624	65.5	A
F35	I-580 - WB	1st St	Portola Ave	Liv	2.56	E	4	624	73.7	A	624	66.4	A
F36	I-580 - WB	Portola	SR 84/Airway Blvd	Liv	1.73	E	4	624	69.5	A	600	62.9	A
F37	I-580 - WB	SR 84/Airway Blvd	Fallon Rd/El Charro	Liv-Uninc	1.73	E	4	624	62.0	A	600	62.1	A
F38	I-580 - WB	Fallon Rd/El Charro	Tassajara	Plea	1.23	E	4	600	45.6	D	600	50.4	C
F39	I-580 - WB	Tassajara Rd	I-680	Plea	2.78	E	4	528	42.8	D	576	37.7	E
F40	I-580 - WB	I-680	San Ramon Rd	Plea	0.71	E	4	624	67.1	A	600	48.8	D
F41	I-580 - WB	San Ramon Rd	Eden Canyon	Plea-Uninc	4.82	E	4	600	68.5	A	600	58.4	B
F42	I-580 - WB	Eden Canyon	Center St	Uninc	2.5	E	4	600	70.7	A	624	66.3	A
F43	I-580 - WB	Center	I-580/238	Uninc	2.26	C	5	600	61.5	A	624	55.8	B
F44	I-580 - EB	I-80	I-980	Oak	1.27	N	5	576	56.5	B	576	54.2	C
F45	I-580 - EB	I-980	Harrison	Oak	1.02	N	5	600	75.3	A	576	59.6	B
F46	I-580 - EB	Harrison	Lakeshore	Oak	0.84	N	4	624	62.1	A	624	63.6	A
F47	I-580 - EB	Lakeshore	Coolidge	Oak	2.21	N	5	600	67.4	A	552	62.5	A
F48	I-580 - EB	Coolidge	SH 13 Off	Oak	2.2	N	4	600	70.0	A	624	66.9	A
F49	I-580 - EB	SH 13 Off	MacArthur	Oak	4.08	N	4	528	70.9	A	576	67.6	A
F50	I-580 - EB	MacArthur	I-580/238	San L-Uninc	3.78	C	4	552	66.9	A	552	67.8	A
F51	I-580 - WB	I-238	Foothill/MacArthur	Uninc	3.86	C	4	552	70.0	A	528	68.7	A
F52	I-580 - WB	Foothill/MacArthur	SH 13 Off	Oak	4.04	N	4	576	64.6	A	528	63.9	A
F53	I-580 - WB	SH 13 Off	Fruitvale	Oak	2.63	N	4	600	74.2	A	600	68.7	A
F54	I-580 - WB	Fruitvale	Harrison	Oak	2.68	N	4	576	68.5	A	528	64.7	A
F55	I-580 - WB	Harrison	SH 24 On-ramp	Oak	1.24	N	5	600	62.6	A	600	55.8	B
F56	I-580 - WB	SH-24 On-ramp	I-80/580 Split	Oak	1.17	N	5	576	29.3	(F30)	576	27.8	(F30)
F57	I-580 - EB	Central (County Line)	I-80 Jct	Alb	0.7	N	2	624	33.7	E	624	27.5	(F30)
F58	I-580 - WB	I-80 Jct	Central (County Line)	Alb	0.86	N	3	624	64.0	A	624	58.3	B



Appendix C | 2024 Level of Service Results

Table C-5. 2024 LOS Monitoring Results for Freeways, Weekend Midday Peak Period

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	# Lanes	2022 Results			2024 Results		
		From	To					Sample	Speed	LOS	Sample	Speed	LOS
F59	I-680 - NB	Scott Creek Rd	Rt 262/Mission	Fre	2.26	S	3	576	65.0	A	624	64.6	A
F60	I-680 - NB	Rt 262/Mission	Durham Rd	Fre	1.62	S	3	624	67.3	A	624	69.1	A
F61	I-680 - NB	Durham Rd	Washington Blvd	Fre	1.3	S	3	600	61.6	A	624	64.3	A
F62	I-680 - NB	Washington Blvd	Rt 238/Mission	Fre	1.14	S	3	600	63.4	A	600	54.0	C
F63	I-680 - NB	SR 238/Mission	Vargas Rd	Fre	1.1	S	4	624	66.1	A	624	49.4	C
F64	I-680 - NB	Vargas Rd	Andrade Rd	Uninc	2.21	S	4	552	51.9	C	576	43.3	D
F65	I-680 - NB	Andrade Rd	Calaveras	Uninc	1.15	S	3	624	50.2	C	624	38.8	E
F66	I-680 - NB	Calaveras	Rt.84/Vallecitos	Uninc	0.39	S	3	624	55.7	B	600	49.3	C
F67	I-680 - NB	SR 84	Sunol Blvd	Plea-Uninc	3.52	E	3	569	53.2	C	600	64.3	A
F68	I-680 - NB	Sunol Blvd.	Bernal Ave	Plea-Uninc	1.49	E	3	600	46.3	D	576	53.4	C
F69	I-680 - NB	Bernal Ave	Stoneridge Dr	Plea	2.53	E	3	576	54.7	C	624	57.9	B
F70	I-680 - NB	Stoneridge Dr	I-580	Plea	0.74	E	4	624	67.1	A	624	62.2	A
F71	I-680 - NB	I-580	Alcosta	Dub	1.85	E	4	600	67.0	A	480	66.5	A
F72	I-680 - SB	Alcosta	I-580	Dub	1.85	E	5	576	68.7	A	528	44.9	D
F73	I-680 - SB	I-580	Stoneridge Dr	Plea	0.73	E	4	624	56.6	B	408	47.0	D
F74	I-680 - SB	Stoneridge Dr	Bernal	Plea	2.54	E	3	576	60.0	A	456	51.3	C
F75	I-680 - SB	Bernal Ave.	Sunol Blvd	Uninc	1.49	E	3	600	64.2	A	528	32.7	E
F76	I-680 - SB	Sunol Blvd.	SR 84	Uninc	3.71	E	3	600	62.5	A	456	39.8	E
F77	I-680 - SB	SR 84 (Niles Canyon)	Andrade Rd	Uninc	1.33	S	4	600	68.8	A	552	63.6	A
F78	I-680 - SB	Andrade Rd	Sheridon Rd	Uninc	1.4	S	5	624	67.0	A	624	64.3	A
F79	I-680 - SB	Sheridon Rd	Vargas Rd	Uninc	0.81	S	4	600	67.0	A	600	67.1	A
F80	I-680 - SB	Vargas Rd	SR 238/Mission	Fre	1.11	S	4	600	73.2	A	600	68.7	A
F81	I-680 - SB	Rt 238/Mission	Washington Blvd	Fre	1.14	S	4	624	69.3	A	600	68.4	A
F82	I-680 - SB	Washington Blvd	Durham Rd	Fre	1.35	S	4	624	68.6	A	600	67.6	A
F83	I-680 - SB	Durham Rd	Rt 262/Mission	Fre	1.63	S	4	624	58.2	B	576	60.2	A
F84	I-680 - SB	Rt 262/Mission	Scott Creek Rd	Fre	2.25	S	4	624	72.3	A	480	69.6	A
F85	I-880 - NB	Dix Landing	SR 262/Mission	Fre	2.09	S	6	600	69.6	A	576	65.6	A
F86	I-880 - NB	SR 262/Mission	AutoMall Pkwy	Fre	2.43	S	4	600	65.4	A	552	63.6	A
F87	I-880 - NB	AutoMall Pkwy	Stevenson	Fre	1.53	S	4	600	58.4	B	624	59.0	B



Appendix C | 2024 Level of Service Results

Table C-5. 2024 LOS Monitoring Results for Freeways, Weekend Midday Peak Period

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	# Lanes	2022 Results			2024 Results		
		From	To					Sample	Speed	LOS	Sample	Speed	LOS
F88	I-880 - NB	Stevenson	Decoto	Fre	4.06	S	4	576	66.8	A	576	63.7	A
F89	I-880 - NB	Decoto	Alvarado Blvd	Fre	1.17	S	4	624	58.5	B	600	59.0	B
F90	I-880 - NB	Alvarado Blvd	Alvarado-Niles Blvd	Fre-Uni Cty	1.57	S	4	624	51.8	C	600	55.6	B
F91	I-880 - NB	Alv-Niles	Tennyson	Uni Cty-Hay	2.6	S	4	528	39.3	E	552	42.8	D
F92	I-880 - NB	Tennyson	SR 92	Hay	1.02	C	5	576	36.6	E	600	44.8	D
F93	I-880 - NB	SR 92	A St	Hay	1.68	C	5	600	40.1	E	552	47.3	D
F94	I-880 - NB	A St	I-238 (Marina before 06)	Uninc	1.95	C	5	552	47.9	D	600	52.6	C
F95	I-880 - NB	I-880/I238 (split)	Marina Blvd	San L	2.54	C	5	552	64.3	A	552	64.1	A
F96	I-880 - NB	Marina Blvd	SR 112/Davis	San L	0.82	C	4	624	52.1	C	552	59.0	B
F97	I-880 - NB	SR 112/Davis	Hegenberger	Oak-San L	1.83	C	4	552	58.8	B	576	60.5	A
F98	I-880 - NB	Hegenberger	High/42nd	Oak	2.34	N	4	576	58.3	B	576	57.6	B
F99	I-880 - NB	High/42nd	23rd (1st on)	Oak	1.25	N	4	624	50.7	C	576	58.5	B
F100	I-880 - NB	23RD (1ST on)	Jct 980 (off)	Oak	2.63	N	4	501	62.2	A	528	56.8	B
F101	I-880 - NB	Jct 980 (off)	I-880/I-80 split	Oak	2.43	N	4	600	66.4	A	552	64.8	A
F102	I-880 - aINB	I-880/I-80 (split)	I-880/I-80 (merge)	Oak	1.44	N	4	624	42.8	D	600	46.1	D
F103	I-880 - SB	I-880/I-80 split	I-880/I-80 merge	Oak	1.28	N	4	600	58.0	B	624	53.9	C
F104	I-880 - SB	I-880/I-80 merge	Jct 980	Oak	2.51	N	4	624	68.7	A	600	66.4	A
F105	I-880 - SB	I-980	23rd	Oak	2.74	N	5	552	50.8	C	600	57.4	B
F106	I-880 - SB	23rd St	High/42nd	Oak	1.1	N	5	552	48.7	D	552	54.7	C
F107	I-880 - SB	High/42nd	Hegenberger	Oak	2.36	N	4	576	53.3	C	576	55.1	B
F108	I-880 - SB	Hegenberger	SR 112/Davis	Oak-San L	1.82	N	4	576	64.9	A	600	63.7	A
F109	I-880 - SB	SR 112/Davis	Marina Blvd	San L	0.82	N	4	624	64.1	A	624	61.6	A
F110	I-880 - SB	Marina Blvd	SR 238 WB (merge)	Oak-San L	2.55	N	4	576	64.1	A	600	44.7	D
F111	I-880 - SB	I-238 (Marina before 06)	A St	Uninc	1.91	C	5	600	34.6	E	552	29.7	(F30)
F112	I-880 - SB	A St	Rt 92	Hay	1.7	C	5	480	46.6	D	600	38.0	E
F113	I-880 - SB	Rt 92	Tennyson	Hay	1.01	C	5	600	48.1	D	576	36.2	E
F114	I-880 - SB	Tennyson	Alv-Niles	Hay-Uni Cty	2.6	C	4	624	48.3	D	504	44.3	D
F115	I-880 - SB	Alvarado-Niles	Alvarado	Uni Cty-Fre	1.56	C	4	624	57.4	B	552	46.1	D
F116	I-880 - SB	Alvarado	Decoto	Fre	1.19	S	4	624	52.3	C	600	40.6	E



Appendix C | 2024 Level of Service Results

Table C-5. 2024 LOS Monitoring Results for Freeways, Weekend Midday Peak Period

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	# Lanes	2022 Results			2024 Results		
		From	To					Sample	Speed	LOS	Sample	Speed	LOS
F117	I-880 - SB	Decoto	Stevenson	Fre	4.06	S	4	600	56.4	B	576	37.6	E
F118	I-880 - SB	Stevenson	AutoMall Pkwy	Fre	1.52	S	4	600	58.1	B	600	45.1	D
F119	I-880 - SB	AutoMall Pkwy	Rt 262/Mission	Fre	2.83	S	4	624	68.2	A	576	61.3	A
F120	I-880 - SB	SR 262/Mission	Dix Landing(off)	Fre	1.69	S	4	624	66.7	A	624	65.2	A
F121	I-980 - WB	SR 24 @ 580	I-880	Oak	2.49	N	4	600	64.3	A	576	64.1	A
F122	I-980 - EB	I-880	SR 24 @ 580	Oak	2.44	N	4	600	68.9	A	624	62.0	A
F123	SR 13 - NB	Mountain On	Carson/Redwood (1) (off)	Oak	1.27	N	2	624	64.0	A	624	62.7	A
F124	SR 13 - NB	Carson/Redwood (1) (off)	Joaquin Miller	Oak	1.08	N	2	624	64.1	A	624	62.4	A
F125	SR 13 - NB	Joa Miller/Linc	Moraga Ave	Oak	1.83	N	2	624	65.8	A	624	60.1	A
F126	SR 13 - NB	Moraga Ave	Hiller (Sig)	Oak	1.63	N	2	568	48.3	D	619	39.4	E
F127	SR 13 - SB	Hiller Sig	Moraga Ave	Oak	1.6	N	2	624	53.0	C	621	52.0	C
F128	SR 13 - SB	Moraga Ave	Joa Miller/Linc	Oak	1.85	N	2	624	68.3	A	600	61.6	A
F129	SR 13 - SB	Joaq Miller/Lincoln	Redwood	Oak	1.07	N	2	624	66.8	A	600	64.0	A
F130	SR 13 - SB	Redwood	Jct I-580 (EB Merge)	Oak	1.4	N	2	526	63.4	A	624	59.9	B
F131	SR 24 - EB	Jct I-580 (on)	Broadway/SR 13	Oak	1.84	N	4	576	64.9	A	616	61.7	A
F132	SR 24 - EB	Broadway/SR 13	Caldecott (enter)	Oak	1.65	N	4	624	56.6	B	336	38.3	E
F133	SR 24 - EB	Caldecott (enter)	Fish Ranch Road	Oak	1.04	N	4	600	33.5	E	624	33.7	E
F134	SR 24 - WB	Fish Ranch Road (CC)	Caldecott (exit)	Oak	0.99	N	4	624	59.4	B	336	52.9	C
F135	SR 24 - WB	Caldecott (exit)	Broadway	Oak	1.73	N	4	624	69.0	A	312	61.0	A
F136	SR 24 - WB	Broadway	Jct I-580 (on)	Oak	1.86	N	4	552	63.7	A	600	61.2	A
F137	SR 84 - EB	San M CL	Toll Plaza	Fre	3.29	S	3	624	67.3	A	624	67.4	A
F138	SR 84 - EB	Toll Plaza	Thornton	Fre	0.54	S	3	624	76.7	A	624	65.4	A
F139	SR 84 - EB	Thornton Ave/Pascon Padre	Newark Blvd/Ardenwood Blvd	New	1.16	S	3	624	66.5	A	624	65.7	A
F140	SR 84 - EB	Newark Blvd/Ardenwood Blvd	I-880 NB (off)	New	1.2	S	2	624	51.7	C	624	47.0	D
F141	SR 84 - WB	I-880 NB (off)	Ardenwood/Newark	New	1.21	S	3	624	53.8	C	624	51.7	C
F142	SR 84 - WB	Ardenwood/Newark	Paseo Padre Pkwy	New	1.15	S	3	480	68.0	A	624	66.9	A
F143	SR 84 - WB	Paseo Padre Pkwy	Toll Gate	Fre	0.54	S	3	480	61.6	A	624	60.9	A
F144	SR 84 - WB	Toll Plaza	San M CL	Fre	3.29	C	3	624	68.6	A	624	66.6	A
F145	SR 92 - EB	San M CL	Toll Plaza	Hay	2.78	C	3	624	70.1	A	576	68.4	A



Appendix C | 2024 Level of Service Results

Table C-5. 2024 LOS Monitoring Results for Freeways, Weekend Midday Peak Period

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	# Lanes	2022 Results			2024 Results		
		From	To					Sample	Speed	LOS	Sample	Speed	LOS
F146	SR 92 - EB	Toll Plaza	Clawiter	Hay	1.87	C	3	600	64.3	A	624	66.6	A
F147	SR 92 - EB	Clawiter	I-880	Hay	2.07	C	4	624	63.3	A	564	62.8	A
F148	SR 92 - WB	I-880	Clawiter	Hay	2.05	C	4	600	68.6	A	570	62.5	A
F149	SR 92 - WB	Clawiter	Toll Plaza	Hay	1.88	C	4	375	54.9	C	106	52.5	C
F150	SR 92 - WB	Toll Plaza	San M CL	Hay	2.79	C	3	375	65.7	A	106	62.7	A
F151	SR 92 - WB	San M CL	Foster City Blvd	SM	4.97	C	3	622	67.3	A	624	62.9	A
F152	SR 92 - EB	Foster City Boulevard	San M CL	SM	4.97	C	3	624	67.4	A	624	60.9	A
F153	SR 84 - WB	San M CL	Ravenswood Slough	SM	1.31	S	3	624	63.6	A	624	66.6	A
F154	SR 84 - EB	Ravenswood Slough	San M CL	SM	1.31	S	3	624	65.5	A	624	66.2	A
F155	I-80 - WB	SF County Line	Fremont St Off Ramp	SF	3.32	N	5	624	24.8	(F30)	624	24.6	(F30)
F156	I-80 - EB	Bryant St On Ramp	SF County Line	SF	3.29	N	5	624	52.4	C	624	51.9	C



C.4 Ramps (Tier 1)

Table C-6. 2024 LOS Monitoring Results for Ramps, PM Peak Period

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	# Lanes	Free Flow Speed	2022 Results			2024 Results		
		From	To						Sample	Speed	LOS	Sample	Speed	LOS
R1	I-80/I-580 Interchange	I-80 SB	I-580 EB	Oak	0.40	N	2	38	948	41.3	A	936	14.7	F
R2	I-80/I-580 Interchange	I-580 WB	I-80 NB	Oak	0.45	N	2	40	948	15.7	F	936	23.7	E
R3	SR 24 WB/I-580 WB	SR 24 off	I-580 on	Oak	0.77	N	2	Weaving	948	50.1	N/A	936	40.9	N/A
R4	I-580/SR 24 Interchange	I-580 WB	SR-24 EB	Oak	0.53	N	2	45	948	44.0	A	932	33.1	C
R5	I-580/SR 24 Interchange	SR-24 WB	I-580 EB	Oak	0.75	N	2	51	948	22.4	F	936	20.4	F
R6	SR13/SR 24 Interchange	SR-13 NB	SR-24 EB	Oak	0.33	N	1	40	948	16.3	F	936	13.8	F
R7	SR13/SR 24 Interchange	SR-24 WB	SR-13 SB	Oak	0.16	N	1	31	948	44.5	A	936	23.8	C
R8	I-880/I-238 Interchange	I-880 SB	I-238 EB	San L	0.75	C	2	47	948	39.5	B	936	34.5	C
R9	I-880/I-238 Interchange	I-238 WB	I-880 NB	San L	0.51	C	2	54	948	52.1	A	928	49.9	A
R10	I-880/I-238 Interchange	I-880 NB	I-238 EB	San L	0.42	C	2	32	948	32.8	A	936	23.5	C
R11	I-880/I-238 Interchange	I-238 WB	I-880 SB	San L	0.81	C	2	53	948	41.0	C	936	35.0	D
R12	I-580 /I-238 Interchange	I-580 SB	I-238 WB	Hay	0.70	C	1	37	948	58.4	A	936	57.2	A
R13	I-580 /I-238 Interchange	I-238 EB	I-580 NB	Hay	0.36	C	1	38	628	59.1	A	936	56.7	A
R14	I-580/I-680 Interchange	I-580 EB	I-680 NB	Plea	0.52	E	1	35	948	37.5	A	936	31.8	A
R15	I-580/I-680 Interchange	I-580 EB	I-680 SB	Plea	0.29	E	1	42	948	40.8	A	923	33.3	C
R16	I-580/I-680 Interchange	I-680 NB	I-580 EB	Plea	0.92	E	2	64	948	45.1	C	936	45.8	C
R17	I-580/I-680 Interchange	I-680 NB	I-580 WB	Plea	0.62	E	1	41	948	35.5	B	360	36.0	B
R18	I-580/I-680 Interchange	I-580 WB	I-680 NB	Plea	0.42	E	2	52	948	45.9	B	936	43.0	B
R19	I-580/I-680 Interchange	I-580 WB	I-680 SB	Plea	0.64	E	1	39	948	32.5	B	928	35.3	A
R20	I-580/I-680 Interchange	I-680 SB	I-580 EB	Plea	1.22	E	2	68	940	59.0	B	936	51.6	C
R21	I-580/I-680 Interchange	I-680 SB	I-580 WB	Plea	0.44	E	2	58	948	54.3	A	936	53.8	A
R22	I-880/SR 260 Connection	I-880 SB	SR-260 WB	Oak	0.99	N	varies	32	6	10.4	F	594	16.0	F
R23	I-880/SR 260 Connection	SR-260 EB	I-880 NB	Oak	0.41	N	varies	35	6	13.1	F	440	13.7	F



Appendix C | 2024 Level of Service Results

Table C-7. 2024 LOS Monitoring Results for Ramps, AM Peak Period

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	# Lanes	Free Flow Speed	2022 Results			2024 Results		
		From	To						Sample	Speed	LOS	Sample	Speed	LOS
R1	I-80/I-580 Interchange	I-80 SB	I-580 EB	Oak	0.40	N	2	38	960	62.4	A	936	43.3	A
R2	I-80/I-580 Interchange	I-580 WB	I-80 NB	Oak	0.45	N	2	40	960	35.0	B	936	48.3	A
R3	SR 24 WB/I-580 WB	SR 24 off	I-580 on	Oak	0.77	N	2	Weaving	960	28.3	N/A	936	28.4	N/A
R4	I-580/SR 24 Interchange	I-580 WB	SR-24 EB	Oak	0.53	N	2	45	960	58.6	A	936	52.0	A
R5	I-580/SR 24 Interchange	SR-24 WB	I-580 EB	Oak	0.75	N	2	51	960	50.4	A	903	44.8	B
R6	SR13/SR 24 Interchange	SR-13 NB	SR-24 EB	Oak	0.33	N	1	40	960	55.9	A	936	35.5	B
R7	SR13/SR 24 Interchange	SR-24 WB	SR-13 SB	Oak	0.16	N	1	31	960	53.8	A	936	34.2	A
R8	I-880/I-238 Interchange	I-880 SB	I-238 EB	San L	0.75	C	2	47	960	44.9	A	936	44.8	A
R9	I-880/I-238 Interchange	I-238 WB	I-880 NB	San L	0.51	C	2	54	960	17.0	F	936	19.4	F
R10	I-880/I-238 Interchange	I-880 NB	I-238 EB	San L	0.42	C	2	32	960	43.2	A	936	37.7	A
R11	I-880/I-238 Interchange	I-238 WB	I-880 SB	San L	0.81	C	2	53	960	26.8	E	920	22.6	F
R12	I-580 /I-238 Interchange	I-580 SB	I-238 WB	Hay	0.70	C	1	37	960	68.1	A	936	59.2	A
R13	I-580 /I-238 Interchange	I-238 EB	I-580 NB	Hay	0.36	C	1	38	665	59.6	A	936	64.4	A
R14	I-580/I-680 Interchange	I-580 EB	I-680 NB	Plea	0.52	E	1	35	960	38.9	A	936	36.6	A
R15	I-580/I-680 Interchange	I-580 EB	I-680 SB	Plea	0.29	E	1	42	960	28.3	D	928	34.3	B
R16	I-580/I-680 Interchange	I-680 NB	I-580 EB	Plea	0.92	E	2	64	960	56.4	B	936	56.4	B
R17	I-580/I-680 Interchange	I-680 NB	I-580 WB	Plea	0.62	E	1	41	960	31.7	C	361	33.4	B
R18	I-580/I-680 Interchange	I-580 WB	I-680 NB	Plea	0.42	E	2	52	960	40.2	C	936	41.1	C
R19	I-580/I-680 Interchange	I-580 WB	I-680 SB	Plea	0.64	E	1	39	960	18.6	F	933	22.5	E
R20	I-580/I-680 Interchange	I-680 SB	I-580 EB	Plea	1.22	E	2	68	960	66.6	A	936	61.0	B
R21	I-580/I-680 Interchange	I-680 SB	I-580 WB	Plea	0.44	E	2	58	960	58.8	A	936	56.8	A
R22	I-880/SR 260 Connection	I-880 SB	SR-260 WB	Oak	0.99	N	varies	32	6	11.7	F	437	19.9	D
R23	I-880/SR 260 Connection	SR-260 EB	I-880 NB	Oak	0.41	N	varies	35	6	4.3	F	613	14.4	F



C.5 Arterials (Tier 1)

Table C-8. 2024 LOS Monitoring Results for Arterials (Tier 1), PM Peak Period

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Arterial Class	Plan Area	# Lanes	2022 Results			2024 Results		
		From	To						Sample	Speed	LOS	Sample	Speed	LOS
A1	150th St - EB	Hesperian	I-580	San L	0.49	II	C	2	888	19.0	C	827	18.3	C
A2	150th St - WB	I-580	Hesperian	San L	0.49	II	C	2	888	19.1	C	835	18.0	C
A3	A Street - EB	I-880	Western	Hay	1.08	II	C	2	948	23.2	C	831	23.1	C
A4	A Street - EB	Western	SR 185 (prev SR 238)	Hay	0.31	III	C	2	948	12.8	B	862	13.2	C
A5	A Street - WB	SR 238	Western	Hay	0.54	III	C	2	948	15.1	C	853	14.2	C
A6	A Street - WB	Western	I-880	Hay	1.07	II	C	2	948	20.5	C	847	21.0	C
A7	Atlantic - EB	Main	Webster	Ala	0.81	II	N	2	948	21.0	C	826	21.6	C
A8	Atlantic - WB	Webster	Main	Ala	0.81	II	N	2	948	23.3	C	609	23.2	C
A9	Hegenberger - EB	SR 61	Edgewater	Oak	0.77	I	N	3	883	21.6	D	647	23.3	C
A10	Hegenberger - EB	Edgewater	Baldwin	Oak	0.73	I	N	3	888	25.8	C	713	24.9	C
A11	Hegenberger - EB	Baldwin	E 14th	Oak	1.02	I	N	3	888	31.5	B	707	30.2	B
A12	Hegenberger - WB	E 14th	Baldwin	Oak	1.02	I	N	3	888	44.3	A	649	33.2	B
A13	Hegenberger - WB	Baldwin	Edgewater	Oak	0.72	I	N	3	888	25.4	C	689	25.3	C
A14	Hegenberger - WB	Edgewater	SR 61	Oak	0.77	I	N	3	887	24.6	C	842	24.0	C
A15	Hesperian - NB	Tennyson	SH 92 - WB	Hay	0.49	I	C	3	945	24.9	C	864	18.1	D
A16	Hesperian - NB	SH 92	La Playa	Hay	0.78	II	C	3	948	28.6	B	864	24.2	B
A17	Hesperian - NB	La Playa	W.Winton Ave.	Hay	0.43	II	C	3	948	13.5	E	864	15.8	D
A18	Hesperian - NB	W.Winton Ave	A St	Hay	0.97	II	C	3	948	19.2	C	864	21.1	C
A19	Hesperian - NB	A St	Hacienda	Uninc	0.67	II	C	3	948	17.4	D	864	16.9	D
A20	Hesperian - NB	Hacienda	Grant	Uninc	0.66	II	C	3	948	19.1	C	864	17.8	D
A21	Hesperian - NB	Grant	Llewelling	Uninc	0.27	II	C	3	948	14.5	D	864	14.1	D
A22	Hesperian - NB	Llewelling	Springlake	Uninc	0.39	II	C	3	948	22.0	C	864	18.3	C
A23	Hesperian - NB	Springlake	Fairmont	San L	0.66	II	C	3	888	19.2	C	864	19.9	C
A24	Hesperian - NB	Fairmont	14th	San L	0.31	II	C	2	875	17.8	D	564	18.1	C
A25	Hesperian - SB	14th	Fairmont	San L	0.31	II	C	2	871	18.4	C	493	19.2	C
A26	Hesperian - SB	Fairmont	Springlake	San L	0.66	II	C	3	888	19.9	C	864	20.2	C
A27	Hesperian - SB	Springlake	Llewelling	Uninc	0.39	II	C	3	948	15.6	D	864	15.5	D



Appendix C | 2024 Level of Service Results

Table C-8. 2024 LOS Monitoring Results for Arterials (Tier 1), PM Peak Period

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Arterial Class	Plan Area	# Lanes	2022 Results			2024 Results		
		From	To						Sample	Speed	LOS	Sample	Speed	LOS
A28	Hesperian - SB	Llewelling	Grant	Uninc	0.27	II	C	3	948	16.2	D	864	18.1	C
A29	Hesperian - SB	Grant	Hacienda	Uninc	0.66	II	C	3	948	22.7	C	859	21.3	C
A30	Hesperian - SB	Hacienda	A St	Uninc	0.67	II	C	3	948	19.5	C	859	20.6	C
A31	Hesperian - SB	A St	W.Winton Ave.	Hay	0.97	II	C	3	948	27.9	B	859	29.1	B
A32	Hesperian - SB	W.Winton Ave	La Playa	Hay	0.43	II	C	3	948	25.4	B	864	22.3	C
A33	Hesperian - SB	La Playa	SH 92	Hay	0.78	II	C	3	948	31.3	A	832	27.2	B
A34	Hesperian - SB	SH 92 - WB	Tennyson	Hay	0.49	I	C	3	945	26.5	C	832	23.0	C
A35	Mowry - EB	I-880	Farwell	Fre	0.28	II	S	3	948	21.6	C	864	23.5	C
A36	Mowry - EB	Farwell	SH 84	Fre	2.48	II	S	3	947	24.9	B	864	27.9	B
A37	Mowry - WB	SH 84	Farwell	Fre	2.53	II	S	3	948	26.5	B	811	27.0	B
A38	Mowry - WB	Farwell	I-880	Fre	0.28	II	S	3	948	26.0	B	864	28.7	B
A39	Park/23rd - EB	Encinal	Santa Clara	Ala	0.23	III	N	2	948	10.2	C	856	11.0	D
A40	Park/23rd - EB	Santa Clara	Kennedy	Ala	0.68	III	N	2	230	12.0	D	786	13.7	C
A41	Park/23rd - EB	Kennedy	E 11th	Oak	0.45	II	N	2	888	24.1	B	755	21.8	C
A42	Park/23rd - WB	E 11th	Kennedy	Oak	0.45	II	N	2	888	19.7	C	831	18.9	C
A43	Park/23rd - WB	Kennedy	Santa Clara	Ala	0.74	III	N	2	887	12.0	C	774	12.9	D
A44	Park/23rd - WB	Santa Clara	Encinal	Ala	0.23	III	N	2	948	10.3	C	864	10.8	D
A45	MLK Jr Way - NB	SH 24	Adeline	Oak	1.48	II	N	3	888	21.2	C	860	20.4	C
A46	Adeline - NB	MLK Jr - South	MLK Jr - North	Berk	0.28	II	N	3	888	14.8	D	864	16.1	D
A47	Adeline - NB	MLK Jr - North	Shattuck/Adeline	Berk	0.61	II	N	3	875	17.9	D	823	19.1	C
A48	Shattuck NB	Shattuck/Adeline	Dwight	Berk	0.31	II	N	2	34	12.7	E	857	15.4	D
A49	Shattuck NB	Dwight	University	Berk	0.57	III	N	2	5	11.1	C	796	13.0	C
A50	Shattuck SB	University	Dwight	Berk	0.57	III	N	2	137	9.7	D	811	13.3	C
A51	Shattuck SB	Dwight	Shattuck/Adeline	Berk	0.30	II	N	2	888	13.2	E	864	15.6	D
A52	Adeline - SB	Shattuck/Adeline	MLK Jr - North	Berk	0.61	II	N	3	879	19.2	C	767	20.2	C
A53	Adeline - SB	MLK Jr - North	MLK Jr - South	Berk	0.29	II	N	3	97	12.2	E	864	17.1	D
A54	MLK Jr Way - SB	Adeline	SH 24	Oak	1.39	II	N	3	888	25.0	B	860	23.5	C
A55	Tennyson - EB	Hesperian	I-880	Hay	0.86	I	C	2	940	21.2	D	853	21.1	D
A56	Tennyson - EB	I-880 NB	Rt 238	Hay	1.54	II	C	2	945	18.6	C	826	19.1	C



Appendix C | 2024 Level of Service Results

Table C-8. 2024 LOS Monitoring Results for Arterials (Tier 1), PM Peak Period

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Arterial Class	Plan Area	# Lanes	2022 Results			2024 Results		
		From	To						Sample	Speed	LOS	Sample	Speed	LOS
A57	Tennyson - WB	Rt 238	I-880	Hay	1.54	II	C	2	947	18.9	C	710	19.5	C
A58	Tennyson - WB	I-880	Hesperian	Hay	0.86	I	C	2	938	25.2	C	722	24.4	C
A59	University - EB	I-80 SB	6th	Berk	0.40	II	N	2	854	24.7	B	593	18.9	C
A60	University - EB	6th	San Pablo	Berk	0.32	II	N	2	888	15.0	D	864	16.1	D
A61	University - EB	San Pablo	Sacramento	Berk	0.56	II	N	2	888	16.0	D	864	17.9	D
A62	University - EB	Sacramento	ML King	Berk	0.49	II	N	2	888	17.5	D	848	19.6	C
A63	University - EB	ML King	Shattuck Pl	Berk	0.29	III	N	2	879	12.3	C	728	15.2	C
A64	University - WB	Shattuck Pl	ML King	Berk	0.29	III	N	2	818	13.6	C	864	15.1	C
A65	University - WB	ML King	Sacramento	Berk	0.49	II	N	2	888	16.8	D	864	19.3	C
A66	University - WB	Sacramento	San Pablo	Berk	0.56	II	N	2	888	15.1	D	864	16.6	D
A67	University - WB	San Pablo	6th	Berk	0.32	II	N	2	888	14.8	D	864	14.2	D
A68	University - WB	6th	I-80 SB	Berk	0.40	II	N	2	888	28.9	B	651	25.2	B
A69	SR 13 Ashby - WB	Hillier	Domingo	Oak-Berk	0.81	II	N	1	888	20.7	C	859	21.7	C
A70	SR 13 Ashby - WB	Domingo	College	Berk	0.52	III	N	2	888	18.1	C	864	19.3	B
A71	SR 13 Ashby - WB	College	Telegraph	Berk	0.37	III	N	2	888	14.4	C	864	15.9	C
A72	SR 13 Ashby - WB	Telegraph	Shattuck	Berk	0.38	III	N	2	888	14.3	C	864	14.8	C
A73	SR 13 Ashby - WB	Shattuck	ML King	Berk	0.26	III	N	2	888	15.1	C	864	17.1	C
A74	SR 13 Ashby - WB	ML King	San Pablo	Berk	0.86	III	N	2	888	14.4	C	864	16.5	C
A75	SR 13 Ashby - WB	San Pablo	I-80 Ramps	Berk	0.64	II	N	2	888	23.9	C	860	24.5	B
A76	SR 13 Ashby - EB	I-80	San Pablo	Berk	0.62	II	N	2	888	23.3	C	863	23.8	C
A77	SR 13 Ashby - EB	San Pablo	ML King	Berk	0.86	III	N	2	888	19.2	B	864	19.8	B
A78	SR 13 Ashby - EB	ML King	Shattuck	Berk	0.26	III	N	2	888	13.6	C	864	15.0	C
A79	SR 13 Ashby - EB	Shattuck	Telegraph	Berk	0.38	III	N	2	864	16.6	C	864	16.9	C
A80	SR 13 Ashby - EB	Telegraph	College	Berk	0.37	III	N	2	888	10.0	C	864	11.0	D
A81	SR 13 Ashby - EB	College	Domingo	Berk	0.52	III	N	2	888	10.2	D	864	12.1	D
A82	SR 13 Ashby - EB	Domingo	Hillier	Berk-Oak	0.81	II	N	1	888	21.0	C	864	14.9	D
A83	SR 61 - SB	Atlantic	Cent/Webster	Ala	0.57	III	N	2	948	12.1	C	864	13.0	C
A84	SR 61 - SB	Cent/Webster	Sher/Encino	Ala	0.74	II	N	2	948	19.6	C	758	20.6	C
A85	SR 61 - SB	Sher/Encino	Park	Ala	1.20	II	N	2	948	18.8	C	740	18.8	C



Appendix C | 2024 Level of Service Results

Table C-8. 2024 LOS Monitoring Results for Arterials (Tier 1), PM Peak Period

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Arterial Class	Plan Area	# Lanes	2022 Results			2024 Results		
		From	To						Sample	Speed	LOS	Sample	Speed	LOS
A86	SR 61 - SB	Park	High/Otis	Ala	1.05	II	N	2	948	19.3	C	787	19.8	C
A87	SR 61 (Doolittle) - SB	High	Island Dr	Ala	0.44	II	N	2	948	21.6	C	849	19.1	C
A88	SR 61 (Doolittle) - SB	Island Dr	Harbor Bay Pkwy	Ala	0.51	I	N	2	948	34.1	B	849	33.3	B
A89	SR 61 - SB	Harbor Bay	Airport Dr	Oak	2.17	I	N	2	888	36.4	A	762	34.3	B
A90	SR 61 (Doolittle) - SB	Airport	Davis	Oak-San L	0.94	I	N	2	882	30.2	B	864	30.1	B
A91	SR 61 (Doolittle) - NB	Davis	Airport	San L-Oak	0.94	I	C	2	888	30.3	B	864	30.0	B
A92	SR 61 - NB	Airport Dr	Harbor Bay	Oak	2.17	I	N	2	888	38.0	A	739	35.9	A
A93	SR 61 (Doolittle) - NB	Harbor Bay	Island Dr	Ala	0.51	I	N	2	948	38.2	A	864	29.3	B
A94	SR 61 (Doolittle) - NB	Island Dr	High/Otis	Ala	0.44	II	N	2	948	19.0	C	859	17.5	D
A95	SR 61 - NB	High/Otis	Park	Ala	1.05	II	N	2	948	16.9	D	790	18.1	C
A96	SR 61 - NB	Park/Encinal	Sher/Cent	Ala	1.20	II	N	2	948	19.8	C	824	19.1	C
A97	SR 61 - NB	Sher/Cent	Web/Cent	Ala	0.74	II	N	2	948	20.1	C	809	20.4	C
A98	SR 61 - NB	Cent/Web	Atlantic	Ala	0.57	III	N	2	948	13.7	C	856	15.0	C
A99	SR 77 (42nd) - EB	I-880 NB	E 14th	Oak	0.36	I	N	2	883	26.3	C	649	26.5	C
A100	SR 77 (42nd) - WB	E 14 th	I-880 NB	Oak	0.36	I	N	2	877	25.7	C	654	24.8	C
A101	Decoto - WB	SH 238/Mission	Union Square	Uni Cty	0.86	II	S	2	888	24.2	B	864	24.7	B
A102	Decoto - WB	Union Square	Alv-Niles Rd	Uni Cty	0.24	II	S	2	888	16.9	D	864	18.8	C
A103	Decoto - WB	Alv-Niles Rd	Fremont CL	Uni Cty	0.65	II	S	2	888	23.1	C	864	23.8	C
A104	Decoto - WB	Fremont CL	I-880 NB (off)	Fre	1.15	II	S	2	948	28.6	B	864	28.2	B
A105	Decoto - EB	I-880 NB (off)	Union City CL	Fre	1.15	II	S	2	948	21.8	C	864	18.9	C
A106	Decoto - EB	Union City CL	Alv-Niles Rd	Uni Cty	0.66	II	S	2	888	16.2	D	864	18.5	C
A107	Decoto - EB	Alv-Niles Rd	Union Square	Uni Cty	0.24	II	S	2	888	18.2	C	864	16.6	D
A108	Decoto - EB	Union Square	SH 238/Mission	Uni Cty	0.85	II	S	2	888	22.8	C	864	21.7	C
A109	SR 84/Mowry (Fre)-WB	SH 238	Peralta	Fre	0.81	I	S	2	948	31.2	B	844	30.6	B
A110	SR 84/Peralta (Fre)-WB	Mowry	Fremont	Fre	1.66	I	S	1	941	30.5	B	739	30.6	B
A111	SR 84/Fremont(Fre)-WB	Peralta	Thornton	Fre	0.33	II	S	2	940	16.9	D	864	19.8	C
A112	SR 84/Thornton(Fre)-WB	Fremont	I-880 SB	Fre	1.26	II	S	3	948	24.1	B	851	24.4	B
A113	SR 84/Thornton (Fre)-EB	I-880 SB	Fremont	Fre	1.26	II	S	3	948	22.6	C	864	22.4	C
A114	SR 84/Fremont (Fre)-EB	Thornton	Peralta	Fre	0.32	II	S	2	948	19.1	C	864	19.3	C



Appendix C | 2024 Level of Service Results

Table C-8. 2024 LOS Monitoring Results for Arterials (Tier 1), PM Peak Period

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Arterial Class	Plan Area	# Lanes	2022 Results			2024 Results		
		From	To						Sample	Speed	LOS	Sample	Speed	LOS
A115	SR 84/Peralta (Fre) - EB	Fremont	Mowry	Fre	1.64	I	S	1	948	30.4	B	864	29.6	B
A116	SR 84/Mowry (Fre) - EB	Peralta	SH 238	Fre	0.86	I	S	2	948	17.0	E	860	20.6	D
A117	1st Street - SB	I-580 Off	N Mines	Liv	0.60	I	E	3	888	26.6	C	827	24.6	C
A118	1st Street - SB	N Mines	Inman	Liv	1.06	I	E	2	888	32.4	B	864	32.2	B
A119	1st Street - NB	Inman	N Mines	Liv	1.06	I	E	2	888	30.1	B	864	28.3	B
A120	1st Street - NB	N Mines	I-580 Off	Liv	0.60	I	E	3	888	25.1	C	864	21.6	D
A121	SR 84 - EB	SR 238/Mission	Union City Limit	Fre	1.35	I	S	1	888	41.4	A	864	39.7	A
A122	SR 84 - EB	Union City Limit	Palomares	Fre	0.86	I	S	1	812	35.6	A	864	34.9	B
A123	SR 84 - EB	Palomares	Niles Cnyn Quarry	Fre	2.16	I	S	1	872	37.8	A	864	15.0	E
A124	SR 84 - EB	Niles Cnyn Quarry	Sunol Rd	Fre	1.74	I	S	1	944	34.9	B	864	30.3	B
A125	SR 84 - EB	Sunol Rd	Plea-Sunol Rd	Fre	0.55	I	S	1	946	9.2	F	864	22.1	C
A126	SR 84 - EB	Ple-Sunol Rd	SR 84 (Off)/I-680	Uninc	0.80	I	E	1	235	31.7	B	47	37.4	A
A127	SR 84 - EB	SR 84 (Off)/I-680	Vallecitos Ln	Uninc	1.05	I	E	1	924	12.0	F	836	15.0	E
A128	SR 84 - EB	Vallecitos Ln	Vallecitos Nuc.Cntr	Uninc	1.13	I	E	1	924	23.3	C	864	20.5	D
A129	SR 84 - EB	Vallecitos Nuc Center Ent.	Culvert (Lat/Long: 37.613854,-121.817224)	Uninc	1.66	I	E	1	948	45.6	A	864	46.5	A
A130	SR 84 - EB	Culvert (Lat/Long: 37.613854,-121.817224)	Ruby Hill /Kaithoff	Uninc	1.63	I	E	2	888	61.5	A	864	60.3	A
A131	SR 84 - EB	Ruby Hill./Kaithoff	Isabel/Vallecitos	Liv	0.38	I	E	1	888	50.0	A	864	48.0	A
A132	SR 84 (Liv) - NB	Isabel/Vallecitos	Vineyard	Liv	1.12	I	E	1	888	51.4	A	864	51.8	A
A133	SR 84 (Liv) - NB	Vineyard	Concannon	Liv	0.60	I	E	1	888	43.2	A	864	41.6	A
A134	SR 84 (Liv) - NB	Concannon	Stanley	Liv	1.05	I	E	1	888	48.4	A	864	47.4	A
A135	SR 84 (Liv) - NB	Stanley	W. Jack London Blvd.	Liv	0.90	I	E	1	888	41.7	A	864	41.2	A
A136	SR 84 (Liv) - NB	W. Jack London Blvd.	Airway/Kitty Hawk	Liv	0.49	I	E	3	888	30.1	B	864	29.9	B
A137	Airway Blvd (old SR 84) - NB	SR 84	I-580 EB off ramp	Liv	1.06	I	E	1	888	32.5	B	859	32.1	B
A138	Airway Blvd (old SR 84) - SB	I-580 EB off ramp	SR 84	Liv	1.06	I	E	1	845	34.7	B	640	33.2	B
A139	SR 84 (Liv) - SB	Airway/Kitty	W. Jack London Blvd.	Liv	0.49	I	E	3	888	34.5	B	864	33.3	B
A140	SR 84 (Liv) - SB	W. Jack London Blvd.	Stanley	Liv	0.90	I	E	1	888	44.8	A	864	43.4	A
A141	SR 84 (Liv) - SB	Stanley	Concannon	Liv	1.05	I	E	1	888	49.0	A	864	48.6	A
A142	SR 84 (Liv) - SB	Concannon	Vineyard	Liv	0.60	I	E	1	888	45.1	A	864	44.6	A



Appendix C | 2024 Level of Service Results

Table C-8. 2024 LOS Monitoring Results for Arterials (Tier 1), PM Peak Period

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Arterial Class	Plan Area	# Lanes	2022 Results			2024 Results		
		From	To						Sample	Speed	LOS	Sample	Speed	LOS
A143	SR 84 (Liv) - SB	Vineyard	Isabel/Vallecitos	Liv	1.12	I	E	1	888	54.9	A	853	49.9	A
A144	SR 84 - WB	Isabel/Vallecitos	Ruby Hill /Kaithoff	Liv	0.38	I	E	1	888	47.8	A	862	45.5	A
A145	SR 84 - WB	Ruby Hill /Kaithoff	Culvert (Lat/Long: 37.613854,-121.817224)	Uninc	1.63	I	E	2	888	50.9	A	862	49.9	A
A146	SR 84 - WB	Culvert (Lat/Long: 37.613854,-121.817224)	Vallecitos Nuc.Cntr	Uninc	1.65	I	E	1	948	35.9	A	862	38.9	A
A147	SR 84 - WB	Vallecitos Nuc.Cntr	Vallecitos Ln	Uninc	1.14	I	S	1	948	41.4	A	863	38.5	A
A148	SR 84 - WB	Vallecitos Ln	SR 84/I-680 On	Uninc	0.86	I	S	1	89	44.8	A	381	42.8	A
A149	SR 84 - WB	SR 84/I-680 On	Ple-Sunol Rd	Uninc	0.62	I	S	1	925	37.0	A	807	36.9	A
A150	SR 84 - WB	Ple-Sunol Rd	Sunol Rd	Fre	0.55	I	S	1	948	46.3	A	735	39.5	A
A151	SR 84 - WB	Sunol Rd	Niles Canyon Quarry	Fre	1.74	I	S	1	948	47.5	A	730	38.5	A
A152	SR 84 - WB	Niles Canyon Quarry	Eastern Fremont City Limit	Fre	1.00	I	S	1	876	47.0	A	724	39.0	A
A153	SR 84 - WB	Eastern Fremont City Limit	Union City Limit	Fre	2.03	I	S	1	816	36.5	A	725	38.5	A
A154	SR 84 - WB	Union City Limit	SR 238	Fre	1.35	I	S	1	888	39.5	A	666	38.9	A
A155	SR 92 - EB	I-880	Mission	Hay	1.71	II	C	3	948	15.8	D	840	14.0	D
A156	SR 92 - WB	Mission	I-880	Hay	1.71	II	C	3	942	24.5	B	841	25.7	B
A157	SR 112 (Davis) - EB	Doolittle	I-880	San L	0.52	II	C	2	888	17.0	D	842	19.0	C
A158	SR 112 (Davis) - EB	I-880	San Leandro	San L	0.99	II	C	2	888	17.4	D	843	17.1	D
A159	SR 112 (Davis) - EB	San Leandro	14th	San L	0.28	III	C	2	888	15.0	C	807	16.2	C
A160	SR 112 (Davis) - WB	E 14th	San Leandro	San L	0.28	III	C	2	888	14.5	C	786	15.4	C
A161	SR 112 (Davis) - WB	San Leandro	I-880	San L	0.99	II	C	2	78	19.4	C	860	19.5	C
A162	SR 112 (Davis) - WB	I-880	Doolittle	San L	0.52	II	C	2	888	23.1	C	864	22.2	C
A163	SR 123 San Pablo - SB	Carlson	Washington	Alb	0.51	II	N	2	888	21.4	C	849	21.6	C
A164	SR 123 San Pablo - SB	Washington	Marin	Alb	0.36	III	N	2	888	17.4	C	864	17.6	C
A165	SR 123 San Pablo - SB	Marin	Gilman	Alb-Berk	0.45	II	N	2	888	18.8	C	864	17.6	D
A166	SR 123 San Pablo - SB	Gilman	University	Berk	0.81	II	N	2	888	17.7	D	864	18.8	C
A167	SR 123 San Pablo - SB	University	Allston	Berk	0.19	III	N	2	888	13.2	C	864	15.7	C
A168	SR 123 San Pablo - SB	Allston	Dwight	Berk	0.38	II	N	2	888	16.2	D	864	18.5	C
A169	SR 123 San Pablo - SB	Dwight	Ashby	Berk	0.64	II	N	2	864	19.6	C	864	19.3	C
A170	SR 123 San Pablo - SB	Ashby	Stanford	Oak	0.80	II	N	2	860	19.0	C	807	18.9	C



Appendix C | 2024 Level of Service Results

Table C-8. 2024 LOS Monitoring Results for Arterials (Tier 1), PM Peak Period

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Arterial Class	Plan Area	# Lanes	2022 Results			2024 Results		
		From	To						Sample	Speed	LOS	Sample	Speed	LOS
A171	SR 123 San Pablo - SB	Stanford	53rd	Oak	0.27	II	N	2	883	19.5	C	856	21.4	C
A172	SR 123 San Pablo - SB	53rd	Park	Emery	0.34	II	N	2	883	16.2	D	751	17.8	D
A173	SR 123 San Pablo - SB	Park	35th	Emery-Oak	0.44	II	N	2	882	13.6	E	792	15.8	D
A174	SR 123 San Pablo - NB	35th	Park	Oak-Emery	0.42	II	N	2	888	13.2	E	758	15.6	D
A175	SR 123 San Pablo - NB	Park	53rd	Emery	0.34	II	N	2	888	17.5	D	782	19.3	C
A176	SR 123 San Pablo - NB	53rd	Stanford	Oak	0.27	II	N	2	888	21.9	C	864	19.5	C
A177	SR 123 San Pablo - NB	Stanford	Ashby	Oak	0.80	II	N	2	840	16.2	D	861	17.3	D
A178	SR 123 San Pablo - NB	Ashby	Dwight	Berk	0.64	II	N	2	840	19.3	C	833	19.9	C
A179	SR 123 San Pablo - NB	Dwight	Allston	Berk	0.38	II	N	2	888	16.5	D	864	17.3	D
A180	SR 123 San Pablo - NB	Allston	University	Berk	0.19	III	N	2	888	10.9	C	864	12.2	D
A181	SR 123 San Pablo - NB	University	Gilman	Berk	0.81	II	N	2	888	16.3	D	864	16.3	D
A182	SR 123 San Pablo - NB	Gilman	Marin	Alb-Berk	0.45	II	N	2	888	18.4	C	864	16.8	D
A183	SR 123 San Pablo - NB	Marin	Washington	Alb	0.36	III	N	2	888	15.0	C	864	15.4	C
A184	SR 123 San Pablo - NB	Washington	Carlson	Alb	0.51	II	N	2	888	18.0	C	864	18.4	C
A185	SR 185 (International Blvd) - SB	42nd	46th St	Oak	0.29	II	N	2	888	15.2	D	651	14.5	D
A186	SR 185 (International Blvd) - SB	46th St	Seminary	Oak	0.78	II	N	2	849	16.1	D	514	16.3	D
A187	SR 185 (International Blvd) - SB	Seminary	73rd	Oak	0.80	II	N	2	888	14.0	D	693	14.4	D
A188	SR 185 (International Blvd) - SB	73rd Ave	98th Ave	Oak	1.41	II	N	2	882	15.3	D	640	16.2	D
A189	SR 185 (International Blvd) - SB	98th	Broadmoor	Oak	0.75	II	N	2	887	16.6	D	660	15.5	D
A190	SR 185 (14th) - SB	Broadmoor	Davis	San L	0.73	II	C	2	887	18.8	C	728	17.5	D
A191	SR 185 (14th) - SB	Davis	San Leandro	San L	1.06	III	C	2	888	17.6	C	831	17.0	C
A192	SR 185 (14th) - SB	San L Blvd	Hesperian	San L	0.94	II	C	2	864	21.3	C	853	20.8	C
A193	SR 185 (14th) - SB	Hesperian	Bayfair	San L	0.47	II	C	2	888	20.1	C	859	18.8	C
A194	SR 185 (14th) - SB	Bayfair	170th	Uninc	1.19	II	S	2	941	19.9	C	808	21.4	C
A195	SR 185 (14th) - SB	170th	Llewelling	Uninc	0.20	II	S	2	941	21.8	C	805	20.0	C
A196	SR 185 (14th) - SB	Llewelling	Sunset	Uninc	1.05	II	S	2	948	22.1	C	559	21.4	C
A197	SR 185 Hayward - SB	Sunset	SR 92/238	Hay	0.84	III	C	2	948	18.6	C	864	17.9	C



Appendix C | 2024 Level of Service Results

Table C-8. 2024 LOS Monitoring Results for Arterials (Tier 1), PM Peak Period

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Arterial Class	Plan Area	# Lanes	2022 Results			2024 Results		
		From	To						Sample	Speed	LOS	Sample	Speed	LOS
A198	SR 185 Hayward - NB	A Street (SR 92/238 until 2012)	Sunset	Hay	0.43	III	C	2	948	25.6	B	839	25.6	A
A199	SR 185 (14th) - NB	Sunset	Llewelling	Uninc	1.05	II	S	2	948	23.1	C	708	22.8	C
A200	SR 185 (14th) - NB	Llewelling	170th	Uninc	0.20	II	S	2	948	24.0	B	850	21.0	C
A201	SR 185 (14th) - NB	170th	Bayfair	Uninc	1.19	II	S	2	948	20.4	C	783	19.5	C
A202	SR 185 (14th) - NB	Bayfair	Hesperian	San L	0.47	II	C	2	888	18.3	C	832	17.0	D
A203	SR 185 (14th) - NB	Hesperian	San L Blvd	San L	0.94	II	C	2	888	22.6	C	759	22.2	C
A204	SR 185 (14th) - NB	San Leandro	Davis	San L	1.06	III	C	1	882	16.0	C	762	15.0	C
A205	SR 185 (14th) - NB	Davis	Broadmoor	San L	0.73	II	C	2	879	19.7	C	709	19.8	C
A206	SR 185 (International Blvd) - NB	Broadmoor	98th	Oak	0.75	II	N	2	879	15.8	D	594	15.2	D
A207	SR 185 (International Blvd) - NB	98th Ave	73rd Ave	Oak	1.41	II	N	2	879	15.1	D	700	15.8	D
A208	SR 185 (International Blvd) - NB	73rd Ave	Seminary	Oak	0.80	II	N	2	882	17.4	D	600	17.3	D
A209	SR 185 (International Blvd) - NB	Seminary	46th St	Oak	0.78	II	N	2	882	19.2	C	640	16.6	D
A210	SR 185 (International Blvd) - NB	46th St	42nd	Oak	0.29	II	N	2	888	13.7	E	725	13.9	E
A211	SR 238 (Foothill) - NB	Jackson	City Center	Hay	0.63	III	C	4	948	19.3	C	864	16.1	C
A212	SR 238 (Foothill) - NB	City Center	I-580	Hay	0.73	II	S	3	948	23.6	C	864	22.5	C
A213	SR 238 (Foothill) - NB	I-580 Ramp	I-580 Merge	Uninc	0.68	I	S	1	876	47.4	A	859	40.7	A
A214	SR 238 (Foothill) - SB	I-580	Cstro V Blvd	Uninc	0.73	I	S	3	948	49.9	A	857	37.7	A
A215	SR 238 (Foothill) - SB	Cstro V Blvd	City Center	Hay-Uninc	1.04	II	C	3	900	26.4	B	864	25.2	B
A216	SR 238 (Foothill) - SB	City Center	A Street	Hay	0.16	III	C	3	948	15.4	C	864	16.0	C
A217	SR 238 (Mission) - NB	680 NB Rmp	Stevenson	Fre	2.35	I	S	2	948	33.5	B	864	32.3	B
A218	SR 238 (Mission) - NB	Stevenson	Nursery	Fre	2.43	I	S	2	948	29.0	B	864	30.6	B
A219	SR 238 (Mission) - NB	Nursery	Tamarack	Uni Cty	2.63	I	S	3	888	32.3	B	864	30.3	B
A220	SR 238 (Mission) - NB	Tamarack	Industrial	Uni Cty-Hay	1.96	I	S	3	888	27.4	C	864	26.1	C
A221	SR 238 (Mission) - NB	Industrial	Sorenson	Hay	1.46	II	C	2	948	26.5	B	864	20.2	C
A222	SR 238 (Mission) - NB	Sorenson	Jackson	Hay	1.83	II	C	2	948	20.4	C	857	20.2	C
A223	SR 238 (Mission) - SB	Jackson	Sorenson	Hay	1.83	II	C	2	948	26.4	B	864	24.1	B



Appendix C | 2024 Level of Service Results

Table C-8. 2024 LOS Monitoring Results for Arterials (Tier 1), PM Peak Period

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Arterial Class	Plan Area	# Lanes	2022 Results			2024 Results		
		From	To						Sample	Speed	LOS	Sample	Speed	LOS
A224	SR 238 (Mission) - SB	Sorenson	Industrial	Hay	1.46	II	C	2	948	26.9	B	864	25.0	B
A225	SR 238 (Mission) - SB	Industrial	Tamarack	Hay-Uni Cty	1.96	I	C	3	888	30.4	B	860	30.3	B
A226	SR 238 (Mission) - SB	Tamarack	Nursery	Uni Cty	2.63	I	S	3	888	32.0	B	864	32.9	B
A227	SR 238 (Mission) - SB	Nursery	Stevenson	Fre	2.43	I	S	2	948	31.6	B	864	32.5	B
A228	SR 238 (Mission) - SB	Stevenson	680 NB Rmp	Fre	2.35	I	S	2	948	31.3	B	864	21.7	D
A229	SR 260 (Tubes) - NB	Atlantic	7th/Web	Oak	1.35	I	N	2	6	25.2	C	788	18.3	D
A230	SR 260 (Tubes) - SB	7th/Web	Atlantic	Oak	1.43	I	N	2	6	32.8	B	758	27.7	C
A231	SR 262 (Mission) - EB	I-880 NB	I-680 NB	Fre	1.48	I	S	2	943	23.9	C	864	19.7	D
A232	SR 262 (Mission) - WB	I-680 NB	I-880 SB	Fre	1.67	I	S	2	944	35.5	A	864	34.0	B
A233	SR 84 (Liv) - NB - realign	Airway	I-580 WB (off)	Liv	0.52	I	E	3	888	37.1	A	864	33.9	B
A234	SR 84 (Liv) - SB - realign	I-580 WB (off)	Airway)	Liv	0.53	I	E	3	888	26.0	C	862	26.8	C



Appendix C | 2024 Level of Service Results

Table C-9. 2024 LOS Monitoring Results for Arterials (Tier 1), AM Peak Period

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Arterial Class	Plan Area	# Lanes	2022 Results			2024 Results		
		From	To						Sample	Speed	LOS	Sample	Speed	LOS
A1	150th St - EB	Hesperian	I-580	San L	0.49	II	C	2	882	19.4	C	803	19.0	C
A2	150th St - WB	I-580	Hesperian	San L	0.49	II	C	2	884	22.0	C	843	19.7	C
A3	A Street - EB	I-880	Western	Hay	1.08	II	C	2	956	24.4	B	664	23.2	C
A4	A Street - EB	Western	SR 185 (prev SR 238)	Hay	0.31	III	C	2	956	15.4	C	835	14.4	C
A5	A Street - WB	SR 238	Western	Hay	0.54	III	C	2	960	18.0	C	864	15.9	C
A6	A Street - WB	Western	I-880	Hay	1.07	II	C	2	960	21.8	C	856	20.9	C
A7	Atlantic - EB	Main	Webster	Ala	0.81	II	N	2	944	21.7	C	759	21.2	C
A8	Atlantic - WB	Webster	Main	Ala	0.81	II	N	2	955	22.9	C	656	22.9	C
A9	Hegenberger - EB	SR 61	Edgewater	Oak	0.77	I	N	3	863	23.3	C	669	23.7	C
A10	Hegenberger - EB	Edgewater	Baldwin	Oak	0.73	I	N	3	881	25.9	C	856	24.2	C
A11	Hegenberger - EB	Baldwin	E 14th	Oak	1.02	I	N	3	850	32.9	B	758	30.8	B
A12	Hegenberger - WB	E 14th	Baldwin	Oak	1.02	I	N	3	888	46.1	A	788	32.6	B
A13	Hegenberger - WB	Baldwin	Edgewater	Oak	0.72	I	N	3	888	26.3	C	859	23.7	C
A14	Hegenberger - WB	Edgewater	SR 61	Oak	0.77	I	N	3	888	27.3	C	864	25.4	C
A15	Hesperian - NB	Tennyson	SH 92 - WB	Hay	0.49	I	C	3	960	25.6	C	859	20.6	D
A16	Hesperian - NB	SH 92	La Playa	Hay	0.78	II	C	3	960	31.4	A	859	28.5	B
A17	Hesperian - NB	La Playa	W.Winton Ave.	Hay	0.43	II	C	3	960	27.6	B	859	27.0	B
A18	Hesperian - NB	W.Winton Ave	A St	Hay	0.97	II	C	3	960	27.5	B	830	26.3	B
A19	Hesperian - NB	A St	Hacienda	Uninc	0.67	II	C	3	960	22.7	C	849	21.7	C
A20	Hesperian - NB	Hacienda	Grant	Uninc	0.66	II	C	3	960	20.5	C	849	21.3	C
A21	Hesperian - NB	Grant	Llewelling	Uninc	0.27	II	C	3	960	17.3	D	864	16.3	D
A22	Hesperian - NB	Llewelling	Springlake	Uninc	0.39	II	C	3	960	23.3	C	864	19.9	C
A23	Hesperian - NB	Springlake	Fairmont	San L	0.66	II	C	3	888	21.3	C	864	20.8	C
A24	Hesperian - NB	Fairmont	14th	San L	0.31	II	C	2	747	18.9	C	250	18.4	C
A25	Hesperian - SB	14th	Fairmont	San L	0.31	II	C	2	829	19.9	C	353	20.6	C
A26	Hesperian - SB	Fairmont	Springlake	San L	0.66	II	C	3	888	22.2	C	864	22.4	C
A27	Hesperian - SB	Springlake	Llewelling	Uninc	0.39	II	C	3	960	19.1	C	864	17.8	D
A28	Hesperian - SB	Llewelling	Grant	Uninc	0.27	II	C	3	960	15.6	D	864	19.2	C
A29	Hesperian - SB	Grant	Hacienda	Uninc	0.66	II	C	3	960	22.1	C	864	20.7	C



Appendix C | 2024 Level of Service Results

Table C-9. 2024 LOS Monitoring Results for Arterials (Tier 1), AM Peak Period

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Arterial Class	Plan Area	# Lanes	2022 Results			2024 Results		
		From	To						Sample	Speed	LOS	Sample	Speed	LOS
A30	Hesperian - SB	Hacienda	A St	Uninc	0.67	II	C	3	960	19.0	C	864	18.2	C
A31	Hesperian - SB	A St	W.Winton Ave.	Hay	0.97	II	C	3	960	26.3	B	864	23.0	C
A32	Hesperian - SB	W.Winton Ave	La Playa	Hay	0.43	II	C	3	960	31.3	A	864	26.5	B
A33	Hesperian - SB	La Playa	SH 92	Hay	0.78	II	C	3	960	29.1	B	848	24.7	B
A34	Hesperian - SB	SH 92 - WB	Tennyson	Hay	0.49	I	C	3	960	25.9	C	848	23.0	C
A35	Mowry - EB	I-880	Farwell	Fre	0.28	II	S	3	960	25.3	B	838	26.9	B
A36	Mowry - EB	Farwell	SH 84	Fre	2.48	II	S	3	960	27.6	B	806	29.3	B
A37	Mowry - WB	SH 84	Farwell	Fre	2.53	II	S	3	960	28.4	B	845	28.9	B
A38	Mowry - WB	Farwell	I-880	Fre	0.28	II	S	3	960	24.3	B	859	28.0	B
A39	Park/23rd - EB	Encinal	Santa Clara	Ala	0.23	III	N	2	960	12.8	D	837	13.3	C
A40	Park/23rd - EB	Santa Clara	Kennedy	Ala	0.68	III	N	2	83	14.0	C	766	15.7	C
A41	Park/23rd - EB	Kennedy	E 11th	Oak	0.45	II	N	2	871	22.3	C	786	20.8	C
A42	Park/23rd - WB	E 11th	Kennedy	Oak	0.45	II	N	2	887	21.0	C	839	20.1	C
A43	Park/23rd - WB	Kennedy	Santa Clara	Ala	0.74	III	N	2	888	15.9	C	774	15.6	C
A44	Park/23rd - WB	Santa Clara	Encinal	Ala	0.23	III	N	2	960	13.8	C	834	12.7	D
A45	MLK Jr Way - NB	SH 24	Adeline	Oak	1.48	II	N	3	888	27.4	B	853	26.6	B
A46	Adeline - NB	MLK Jr - South	MLK Jr - North	Berk	0.28	II	N	3	883	16.3	D	817	18.0	D
A47	Adeline - NB	MLK Jr - North	Shattuck/Adeline	Berk	0.61	II	N	3	863	18.9	C	785	19.9	C
A48	Shattuck NB	Shattuck/Adeline	Dwight	Berk	0.31	II	N	2	9	13.3	E	820	16.4	D
A49	Shattuck NB	Dwight	University	Berk	0.57	III	N	2	960	18.0	C	613	14.5	C
A50	Shattuck SB	University	Dwight	Berk	0.57	III	N	2	56	11.3	D	684	14.5	C
A51	Shattuck SB	Dwight	Shattuck/Adeline	Berk	0.30	II	N	2	885	17.6	D	802	18.2	C
A52	Adeline - SB	Shattuck/Adeline	MLK Jr - North	Berk	0.61	II	N	3	630	20.1	C	528	20.8	C
A53	Adeline - SB	MLK Jr - North	MLK Jr - South	Berk	0.29	II	N	3	174	13.0	E	851	16.8	D
A54	MLK Jr Way - SB	Adeline	SH 24	Oak	1.39	II	N	3	888	28.9	B	839	27.8	B
A55	Tennyson - EB	Hesperian	I-880	Hay	0.86	I	C	2	950	26.2	C	771	24.3	C
A56	Tennyson - EB	I-880 NB	Rt 238	Hay	1.54	II	C	2	959	20.9	C	762	20.3	C
A57	Tennyson - WB	Rt 238	I-880	Hay	1.54	II	C	2	960	18.9	C	779	19.0	C
A58	Tennyson - WB	I-880	Hesperian	Hay	0.86	I	C	2	947	24.7	C	791	23.0	C



Appendix C | 2024 Level of Service Results

Table C-9. 2024 LOS Monitoring Results for Arterials (Tier 1), AM Peak Period

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Arterial Class	Plan Area	# Lanes	2022 Results			2024 Results		
		From	To						Sample	Speed	LOS	Sample	Speed	LOS
A59	University - EB	I-80 SB	6th	Berk	0.40	II	N	2	736	21.4	C	513	21.8	C
A60	University - EB	6th	San Pablo	Berk	0.32	II	N	2	888	14.7	D	864	16.3	D
A61	University - EB	San Pablo	Sacramento	Berk	0.56	II	N	2	888	15.9	D	864	17.3	D
A62	University - EB	Sacramento	ML King	Berk	0.49	II	N	2	888	17.7	D	864	19.2	C
A63	University - EB	ML King	Shattuck Pl	Berk	0.29	III	N	2	873	13.8	C	810	16.4	C
A64	University - WB	Shattuck Pl	ML King	Berk	0.29	III	N	2	698	15.7	C	791	15.6	C
A65	University - WB	ML King	Sacramento	Berk	0.49	II	N	2	884	19.1	C	791	20.6	C
A66	University - WB	Sacramento	San Pablo	Berk	0.56	II	N	2	884	17.9	D	790	19.1	C
A67	University - WB	San Pablo	6th	Berk	0.32	II	N	2	888	18.5	C	854	18.4	C
A68	University - WB	6th	I-80 SB	Berk	0.40	II	N	2	878	31.5	A	445	28.1	B
A69	SR 13 Ashby - WB	Hillier	Domingo	Oak-Berk	0.81	II	N	1	888	19.7	C	864	19.6	C
A70	SR 13 Ashby - WB	Domingo	College	Berk	0.52	III	N	2	883	19.8	B	858	20.9	B
A71	SR 13 Ashby - WB	College	Telegraph	Berk	0.37	III	N	2	883	17.2	C	858	18.2	C
A72	SR 13 Ashby - WB	Telegraph	Shattuck	Berk	0.38	III	N	2	883	18.1	C	858	18.3	C
A73	SR 13 Ashby - WB	Shattuck	ML King	Berk	0.26	III	N	2	884	15.5	C	846	17.1	C
A74	SR 13 Ashby - WB	ML King	San Pablo	Berk	0.86	III	N	2	884	20.8	B	846	21.8	B
A75	SR 13 Ashby - WB	San Pablo	I-80 Ramps	Berk	0.64	II	N	2	888	28.0	B	864	27.2	B
A76	SR 13 Ashby - EB	I-80	San Pablo	Berk	0.62	II	N	2	864	23.6	C	864	22.1	C
A77	SR 13 Ashby - EB	San Pablo	ML King	Berk	0.86	III	N	2	888	18.6	C	864	18.9	C
A78	SR 13 Ashby - EB	ML King	Shattuck	Berk	0.26	III	N	2	882	14.2	C	827	14.6	C
A79	SR 13 Ashby - EB	Shattuck	Telegraph	Berk	0.38	III	N	2	858	17.8	C	827	19.0	B
A80	SR 13 Ashby - EB	Telegraph	College	Berk	0.37	III	N	2	882	17.5	C	827	18.7	C
A81	SR 13 Ashby - EB	College	Domingo	Berk	0.52	III	N	2	864	19.0	C	699	20.2	B
A82	SR 13 Ashby - EB	Domingo	Hillier	Berk-Oak	0.81	II	N	1	885	26.8	B	832	26.1	B
A83	SR 61 - SB	Atlantic	Cent/Webster	Ala	0.57	III	N	2	959	14.6	C	815	14.3	C
A84	SR 61 - SB	Cent/Webster	Sher/Encino	Ala	0.74	II	N	2	842	21.8	C	603	21.5	C
A85	SR 61 - SB	Sher/Encino	Park	Ala	1.20	II	N	2	826	19.9	C	529	19.0	C
A86	SR 61 - SB	Park	High/Otis	Ala	1.05	II	N	2	742	20.3	C	304	22.0	C
A87	SR 61 (Doolittle) - SB	High	Island Dr	Ala	0.44	II	N	2	958	24.2	B	704	22.7	C



Appendix C | 2024 Level of Service Results

Table C-9. 2024 LOS Monitoring Results for Arterials (Tier 1), AM Peak Period

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Arterial Class	Plan Area	# Lanes	2022 Results			2024 Results		
		From	To						Sample	Speed	LOS	Sample	Speed	LOS
A88	SR 61 (Doolittle) - SB	Island Dr	Harbor Bay Pkwy	Ala	0.51	I	N	2	952	36.3	A	704	35.4	A
A89	SR 61 - SB	Harbor Bay	Airport Dr	Oak	2.17	I	N	2	888	38.2	A	591	37.1	A
A90	SR 61 (Doolittle) - SB	Airport	Davis	Oak-San L	0.94	I	N	2	888	34.7	B	849	31.8	B
A91	SR 61 (Doolittle) - NB	Davis	Airport	San L-Oak	0.94	I	C	2	888	30.4	B	864	26.9	C
A92	SR 61 - NB	Airport Dr	Harbor Bay	Oak	2.17	I	N	2	888	37.0	A	746	37.0	A
A93	SR 61 (Doolittle) - NB	Harbor Bay	Island Dr	Ala	0.51	I	N	2	960	39.0	A	863	30.5	B
A94	SR 61 (Doolittle) - NB	Island Dr	High/Otis	Ala	0.44	II	N	2	953	21.2	C	861	19.5	C
A95	SR 61 - NB	High/Otis	Park	Ala	1.05	II	N	2	793	17.8	D	535	18.6	C
A96	SR 61 - NB	Park/Encinal	Sher/Cent	Ala	1.20	II	N	2	886	19.6	C	732	18.0	C
A97	SR 61 - NB	Sher/Cent	Web/Cent	Ala	0.74	II	N	2	865	20.7	C	667	20.4	C
A98	SR 61 - NB	Cent/Web	Atlantic	Ala	0.57	III	N	2	955	14.7	C	855	15.6	C
A99	SR 77 (42nd) - EB	I-880 NB	E 14th	Oak	0.36	I	N	2	800	27.0	C	478	25.2	C
A100	SR 77 (42nd) - WB	E 14 th	I-880 NB	Oak	0.36	I	N	2	844	25.0	C	653	21.9	D
A101	Decoto - WB	SH 238/Mission	Union Square	Uni Cty	0.86	II	S	2	888	23.6	C	864	22.8	C
A102	Decoto - WB	Union Square	Alv-Niles Rd	Uni Cty	0.24	II	S	2	888	18.5	C	864	21.1	C
A103	Decoto - WB	Alv-Niles Rd	Fremont CL	Uni Cty	0.65	II	S	2	888	23.3	C	864	22.6	C
A104	Decoto - WB	Fremont CL	I-880 NB (off)	Fre	1.15	II	S	2	960	18.3	C	864	18.8	C
A105	Decoto - EB	I-880 NB (off)	Union City CL	Fre	1.15	II	S	2	960	28.8	B	848	28.8	B
A106	Decoto - EB	Union City CL	Alv-Niles Rd	Uni Cty	0.66	II	S	2	888	25.6	B	851	24.7	B
A107	Decoto - EB	Alv-Niles Rd	Union Square	Uni Cty	0.24	II	S	2	877	21.1	C	765	20.2	C
A108	Decoto - EB	Union Square	SH 238/Mission	Uni Cty	0.85	II	S	2	877	24.2	B	768	21.4	C
A109	SR 84/Mowry (Fre)-WB	SH 238	Peralta	Fre	0.81	I	S	2	960	30.6	B	864	28.8	B
A110	SR 84/Peralta (Fre)-WB	Mowry	Fremont	Fre	1.66	I	S	1	946	30.3	B	837	29.4	B
A111	SR 84/Fremont(Fre)-WB	Peralta	Thornton	Fre	0.33	II	S	2	952	20.2	C	804	23.8	C
A112	SR 84/Thornton(Fre)-WB	Fremont	I-880 SB	Fre	1.26	II	S	3	960	22.7	C	855	21.1	C
A113	SR 84/Thornton (Fre)-EB	I-880 SB	Fremont	Fre	1.26	II	S	3	932	22.8	C	822	22.3	C
A114	SR 84/Fremont (Fre)-EB	Thornton	Peralta	Fre	0.32	II	S	2	923	22.7	C	796	21.7	C
A115	SR 84/Peralta (Fre) - EB	Fremont	Mowry	Fre	1.64	I	S	1	882	29.5	B	806	28.4	B
A116	SR 84/Mowry (Fre) - EB	Peralta	SH 238	Fre	0.86	I	S	2	949	26.5	C	832	25.4	C



Appendix C | 2024 Level of Service Results

Table C-9. 2024 LOS Monitoring Results for Arterials (Tier 1), AM Peak Period

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Arterial Class	Plan Area	# Lanes	2022 Results			2024 Results		
		From	To						Sample	Speed	LOS	Sample	Speed	LOS
A117	1st Street - SB	I-580 Off	N Mines	Liv	0.60	I	E	3	888	28.0	C	823	24.2	C
A118	1st Street - SB	N Mines	Inman	Liv	1.06	I	E	2	888	34.4	B	862	31.9	B
A119	1st Street - NB	Inman	N Mines	Liv	1.06	I	E	2	879	32.3	B	844	30.3	B
A120	1st Street - NB	N Mines	I-580 Off	Liv	0.60	I	E	3	888	27.2	C	856	24.2	C
A121	SR 84 - EB	SR 238/Mission	Union City Limit	Fre	1.35	I	S	1	852	44.2	A	798	40.9	A
A122	SR 84 - EB	Union City Limit	Palomares	Fre	0.86	I	S	1	779	37.4	A	799	39.7	A
A123	SR 84 - EB	Palomares	Niles Cnyn Quarry	Fre	2.16	I	S	1	855	40.5	A	790	38.9	A
A124	SR 84 - EB	Niles Cnyn Quarry	Sunol Rd	Fre	1.74	I	S	1	918	41.4	A	793	34.5	B
A125	SR 84 - EB	Sunol Rd	Plea-Sunol Rd	Fre	0.55	I	S	1	924	30.9	B	864	26.5	C
A126	SR 84 - EB	Ple-Sunol Rd	SR 84 (Off)/I-680	Uninc	0.80	I	E	1	640	34.4	B	562	35.0	A
A127	SR 84 - EB	SR 84 (Off)/I-680	Vallecitos Ln	Uninc	1.05	I	E	1	756	53.6	A	750	30.5	B
A128	SR 84 - EB	Vallecitos Ln	Vallecitos Nuc.Cntr	Uninc	1.13	I	E	1	960	41.9	A	864	36.0	A
A129	SR 84 - EB	Vallecitos Nuc Center Ent.	Culvert (Lat/Long: 37.613854,-121.817224)	Uninc	1.66	I	E	1	960	46.7	A	864	43.3	A
A130	SR 84 - EB	Culvert (Lat/Long: 37.613854,-121.817224)	Ruby Hill /Kaithoff	Uninc	1.63	I	E	2	888	58.7	A	864	52.3	A
A131	SR 84 - EB	Ruby Hill./Kaithoff	Isabel/Vallecitos	Liv	0.38	I	E	1	888	46.8	A	863	44.8	A
A132	SR 84 (Liv) - NB	Isabel/Vallecitos	Vineyard	Liv	1.12	I	E	1	888	49.4	A	863	47.7	A
A133	SR 84 (Liv) - NB	Vineyard	Concannon	Liv	0.60	I	E	1	888	42.9	A	862	39.5	A
A134	SR 84 (Liv) - NB	Concannon	Stanley	Liv	1.05	I	E	1	888	48.4	A	862	45.3	A
A135	SR 84 (Liv) - NB	Stanley	W. Jack London Blvd.	Liv	0.90	I	E	1	888	43.3	A	864	41.4	A
A136	SR 84 (Liv) - NB	W. Jack London Blvd.	Airway/Kitty Hawk	Liv	0.49	I	E	3	888	32.8	B	864	32.5	B
A137	Airway Blvd (old SR 84) - NB	SR 84	I-580 EB off ramp	Liv	1.06	I	E	1	888	33.1	B	818	31.6	B
A138	Airway Blvd (old SR 84) - SB	I-580 EB off ramp	SR 84	Liv	1.06	I	E	1	858	33.8	B	468	34.7	B
A139	SR 84 (Liv) - SB	Airway/Kitty	W. Jack London Blvd.	Liv	0.49	I	E	3	888	31.3	B	864	31.0	B
A140	SR 84 (Liv) - SB	W. Jack London Blvd.	Stanley	Liv	0.90	I	E	1	888	43.2	A	864	42.0	A
A141	SR 84 (Liv) - SB	Stanley	Concannon	Liv	1.05	I	E	1	888	47.8	A	864	47.8	A
A142	SR 84 (Liv) - SB	Concannon	Vineyard	Liv	0.60	I	E	1	888	42.8	A	864	42.0	A
A143	SR 84 (Liv) - SB	Vineyard	Isabel/Vallecitos	Liv	1.12	I	E	1	888	50.2	A	864	48.5	A
A144	SR 84 - WB	Isabel/Vallecitos	Ruby Hill /Kaithoff	Liv	0.38	I	E	1	888	34.8	B	864	35.7	A



Appendix C | 2024 Level of Service Results

Table C-9. 2024 LOS Monitoring Results for Arterials (Tier 1), AM Peak Period

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Arterial Class	Plan Area	# Lanes	2022 Results			2024 Results		
		From	To						Sample	Speed	LOS	Sample	Speed	LOS
A145	SR 84 - WB	Ruby Hill /Kaithoff	Culvert (Lat/Long: 37.613854,-121.817224)	Uninc	1.63	I	E	2	888	10.0	F	864	10.7	F
A146	SR 84 - WB	Culvert (Lat/Long: 37.613854,-121.817224)	Vallecitos Nuc.Cntr	Uninc	1.65	I	E	1	960	19.7	D	864	20.6	D
A147	SR 84 - WB	Vallecitos Nuc.Cntr	Vallecitos Ln	Uninc	1.14	I	S	1	960	40.3	A	864	34.9	B
A148	SR 84 - WB	Vallecitos Ln	SR 84/I-680 On	Uninc	0.86	I	S	1	203	27.1	C	747	31.7	B
A149	SR 84 - WB	SR 84/I-680 On	Ple-Sunol Rd	Uninc	0.62	I	S	1	891	38.5	A	864	34.9	B
A150	SR 84 - WB	Ple-Sunol Rd	Sunol Rd	Fre	0.55	I	S	1	960	47.6	A	864	37.6	A
A151	SR 84 - WB	Sunol Rd	Niles Canyon Quarry	Fre	1.74	I	S	1	960	48.3	A	864	34.9	B
A152	SR 84 - WB	Niles Canyon Quarry	Eastern Fremont City Limit	Fre	1.00	I	S	1	888	47.5	A	864	40.1	A
A153	SR 84 - WB	Eastern Fremont City Limit	Union City Limit	Fre	2.03	I	S	1	816	36.9	A	864	39.0	A
A154	SR 84 - WB	Union City Limit	SR 238	Fre	1.35	I	S	1	888	39.5	A	864	37.5	A
A155	SR 92 - EB	I-880	Mission	Hay	1.71	II	C	3	864	27.2	B	771	25.3	B
A156	SR 92 - WB	Mission	I-880	Hay	1.71	II	C	3	936	23.0	C	864	21.3	C
A157	SR 112 (Davis) - EB	Doolittle	I-880	San L	0.52	II	C	2	878	20.0	C	818	20.9	C
A158	SR 112 (Davis) - EB	I-880	San Leandro	San L	0.99	II	C	2	888	21.7	C	849	20.6	C
A159	SR 112 (Davis) - EB	San Leandro	14th	San L	0.28	III	C	2	885	18.1	C	643	17.6	C
A160	SR 112 (Davis) - WB	E 14th	San Leandro	San L	0.28	III	C	2	888	16.6	C	814	17.1	C
A161	SR 112 (Davis) - WB	San Leandro	I-880	San L	0.99	II	C	2	104	18.5	C	864	19.3	C
A162	SR 112 (Davis) - WB	I-880	Doolittle	San L	0.52	II	C	2	888	22.8	C	864	21.6	C
A163	SR 123 San Pablo - SB	Carlson	Washington	Alb	0.51	II	N	2	840	18.8	C	861	20.0	C
A164	SR 123 San Pablo - SB	Washington	Marin	Alb	0.36	III	N	2	768	16.0	C	864	17.4	C
A165	SR 123 San Pablo - SB	Marin	Gilman	Alb-Berk	0.45	II	N	2	762	21.0	C	836	18.9	C
A166	SR 123 San Pablo - SB	Gilman	University	Berk	0.81	II	N	2	810	19.2	C	816	19.5	C
A167	SR 123 San Pablo - SB	University	Allston	Berk	0.19	III	N	2	860	15.5	C	831	16.9	C
A168	SR 123 San Pablo - SB	Allston	Dwight	Berk	0.38	II	N	2	788	18.4	C	831	20.7	C
A169	SR 123 San Pablo - SB	Dwight	Ashby	Berk	0.64	II	N	2	551	22.9	C	809	22.8	C
A170	SR 123 San Pablo - SB	Ashby	Stanford	Oak	0.80	II	N	2	768	22.6	C	719	21.4	C
A171	SR 123 San Pablo - SB	Stanford	53rd	Oak	0.27	II	N	2	888	21.8	C	827	23.3	C
A172	SR 123 San Pablo - SB	53rd	Park	Emery	0.34	II	N	2	888	20.4	C	723	21.0	C



Appendix C | 2024 Level of Service Results

Table C-9. 2024 LOS Monitoring Results for Arterials (Tier 1), AM Peak Period

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Arterial Class	Plan Area	# Lanes	2022 Results			2024 Results		
		From	To						Sample	Speed	LOS	Sample	Speed	LOS
A173	SR 123 San Pablo - SB	Park	35th	Emery-Oak	0.44	II	N	2	864	17.8	D	772	18.1	C
A174	SR 123 San Pablo - NB	35th	Park	Oak-Emery	0.42	II	N	2	888	15.9	D	789	17.3	D
A175	SR 123 San Pablo - NB	Park	53rd	Emery	0.34	II	N	2	841	20.0	C	692	21.2	C
A176	SR 123 San Pablo - NB	53rd	Stanford	Oak	0.27	II	N	2	859	25.7	B	848	23.4	C
A177	SR 123 San Pablo - NB	Stanford	Ashby	Oak	0.80	II	N	2	716	19.7	C	864	19.9	C
A178	SR 123 San Pablo - NB	Ashby	Dwight	Berk	0.64	II	N	2	473	24.4	B	556	23.2	C
A179	SR 123 San Pablo - NB	Dwight	Allston	Berk	0.38	II	N	2	788	20.5	C	762	22.1	C
A180	SR 123 San Pablo - NB	Allston	University	Berk	0.19	III	N	2	860	14.8	C	762	16.0	C
A181	SR 123 San Pablo - NB	University	Gilman	Berk	0.81	II	N	2	798	20.8	C	699	21.3	C
A182	SR 123 San Pablo - NB	Gilman	Marin	Alb-Berk	0.45	II	N	2	872	25.7	B	736	22.7	C
A183	SR 123 San Pablo - NB	Marin	Washington	Alb	0.36	III	N	2	863	21.1	B	765	19.9	B
A184	SR 123 San Pablo - NB	Washington	Carlson	Alb	0.51	II	N	2	866	23.7	C	765	23.0	C
A185	SR 185 (International Blvd) - SB	42nd	46th St	Oak	0.29	II	N	2	884	17.4	D	770	18.1	C
A186	SR 185 (International Blvd) - SB	46th St	Seminary	Oak	0.78	II	N	2	815	17.2	D	698	17.5	D
A187	SR 185 (International Blvd) - SB	Seminary	73rd	Oak	0.80	II	N	2	878	17.3	D	773	16.7	D
A188	SR 185 (International Blvd) - SB	73rd Ave	98th Ave	Oak	1.41	II	N	2	848	17.8	D	550	17.5	D
A189	SR 185 (International Blvd) - SB	98th	Broadmoor	Oak	0.75	II	N	2	874	19.7	C	579	17.4	D
A190	SR 185 (14th) - SB	Broadmoor	Davis	San L	0.73	II	C	2	876	21.3	C	689	19.4	C
A191	SR 185 (14th) - SB	Davis	San Leandro	San L	1.06	III	C	2	874	19.8	B	713	19.2	B
A192	SR 185 (14th) - SB	San L Blvd	Hesperian	San L	0.94	II	C	2	876	24.5	B	710	23.2	C
A193	SR 185 (14th) - SB	Hesperian	Bayfair	San L	0.47	II	C	2	876	22.8	C	711	20.5	C
A194	SR 185 (14th) - SB	Bayfair	170th	Uninc	1.19	II	S	2	947	20.6	C	687	21.1	C
A195	SR 185 (14th) - SB	170th	Llewelling	Uninc	0.20	II	S	2	956	23.5	C	706	22.1	C
A196	SR 185 (14th) - SB	Llewelling	Sunset	Uninc	1.05	II	S	2	960	24.2	B	582	21.9	C
A197	SR 185 Hayward - SB	Sunset	SR 92/238	Hay	0.84	III	C	2	936	19.9	B	860	18.1	C
A198	SR 185 Hayward - NB	A Street (SR 92/238 until 2012)	Sunset	Hay	0.43	III	C	2	919	27.0	A	579	26.8	A



Appendix C | 2024 Level of Service Results

Table C-9. 2024 LOS Monitoring Results for Arterials (Tier 1), AM Peak Period

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Arterial Class	Plan Area	# Lanes	2022 Results			2024 Results		
		From	To						Sample	Speed	LOS	Sample	Speed	LOS
A199	SR 185 (14th) - NB	Sunset	Llewelling	Uninc	1.05	II	S	2	904	25.1	B	348	24.7	B
A200	SR 185 (14th) - NB	Llewelling	170th	Uninc	0.20	II	S	2	939	25.2	B	817	26.7	B
A201	SR 185 (14th) - NB	170th	Bayfair	Uninc	1.19	II	S	2	954	21.7	C	754	22.9	C
A202	SR 185 (14th) - NB	Bayfair	Hesperian	San L	0.47	II	C	2	888	22.2	C	817	20.1	C
A203	SR 185 (14th) - NB	Hesperian	San L Blvd	San L	0.94	II	C	2	888	23.8	C	811	23.0	C
A204	SR 185 (14th) - NB	San Leandro	Davis	San L	1.06	III	C	1	881	17.6	C	738	16.6	C
A205	SR 185 (14th) - NB	Davis	Broadmoor	San L	0.73	II	C	2	865	23.1	C	549	19.4	C
A206	SR 185 (International Blvd) - NB	Broadmoor	98th	Oak	0.75	II	N	2	865	18.2	C	408	16.2	D
A207	SR 185 (International Blvd) - NB	98th Ave	73rd Ave	Oak	1.41	II	N	2	876	16.8	D	609	16.5	D
A208	SR 185 (International Blvd) - NB	73rd Ave	Seminary	Oak	0.80	II	N	2	884	18.5	C	659	17.2	D
A209	SR 185 (International Blvd) - NB	Seminary	46th St	Oak	0.78	II	N	2	876	19.0	C	726	15.5	D
A210	SR 185 (International Blvd) - NB	46th St	42nd	Oak	0.29	II	N	2	871	14.0	D	781	14.5	D
A211	SR 238 (Foothill) - NB	Jackson	City Center	Hay	0.63	III	C	4	958	20.2	B	823	18.9	C
A212	SR 238 (Foothill) - NB	City Center	I-580	Hay	0.73	II	S	3	960	28.0	B	864	26.0	B
A213	SR 238 (Foothill) - NB	I-580 Ramp	I-580 Merge	Uninc	0.68	I	S	1	883	49.0	A	834	46.3	A
A214	SR 238 (Foothill) - SB	I-580	Cstro V Blvd	Uninc	0.73	I	S	3	936	53.9	A	864	41.0	A
A215	SR 238 (Foothill) - SB	Cstro V Blvd	City Center	Hay-Uninc	1.04	II	C	3	960	27.8	B	864	26.5	B
A216	SR 238 (Foothill) - SB	City Center	A Street	Hay	0.16	III	C	3	960	13.8	C	864	15.3	C
A217	SR 238 (Mission) - NB	680 NB Rmp	Stevenson	Fre	2.35	I	S	2	960	34.9	B	805	32.4	B
A218	SR 238 (Mission) - NB	Stevenson	Nursery	Fre	2.43	I	S	2	960	36.4	A	860	34.4	B
A219	SR 238 (Mission) - NB	Nursery	Tamarack	Uni Cty	2.63	I	S	3	888	37.3	A	860	35.6	A
A220	SR 238 (Mission) - NB	Tamarack	Industrial	Uni Cty-Hay	1.96	I	S	3	883	34.1	B	844	33.8	B
A221	SR 238 (Mission) - NB	Industrial	Sorenson	Hay	1.46	II	C	2	960	29.8	B	860	28.4	B
A222	SR 238 (Mission) - NB	Sorenson	Jackson	Hay	1.83	II	C	2	960	28.3	B	860	27.1	B
A223	SR 238 (Mission) - SB	Jackson	Sorenson	Hay	1.83	II	C	2	960	27.1	B	860	22.5	C
A224	SR 238 (Mission) - SB	Sorenson	Industrial	Hay	1.46	II	C	2	960	25.6	B	864	22.4	C



Appendix C | 2024 Level of Service Results

Table C-9. 2024 LOS Monitoring Results for Arterials (Tier 1), AM Peak Period

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Arterial Class	Plan Area	# Lanes	2022 Results			2024 Results		
		From	To						Sample	Speed	LOS	Sample	Speed	LOS
A225	SR 238 (Mission) - SB	Industrial	Tamarack	Hay-Uni Cty	1.96	I	C	3	888	28.8	B	864	24.8	C
A226	SR 238 (Mission) - SB	Tamarack	Nursery	Uni Cty	2.63	I	S	3	888	29.5	B	864	26.4	C
A227	SR 238 (Mission) - SB	Nursery	Stevenson	Fre	2.43	I	S	2	960	32.0	B	864	30.3	B
A228	SR 238 (Mission) - SB	Stevenson	680 NB Rmp	Fre	2.35	I	S	2	960	31.8	B	864	29.6	B
A229	SR 260 (Tubes) - NB	Atlantic	7th/Web	Oak	1.35	I	N	2	6	25.2	C	783	20.2	D
A230	SR 260 (Tubes) - SB	7th/Web	Atlantic	Oak	1.43	I	N	2	6	32.8	B	506	34.8	B
A231	SR 262 (Mission) - EB	I-880 NB	I-680 NB	Fre	1.48	I	S	2	856	34.8	B	699	33.0	B
A232	SR 262 (Mission) - WB	I-680 NB	I-880 SB	Fre	1.67	I	S	2	960	32.7	B	864	29.4	B
A233	SR 84 (Liv) - NB - realign	Airway	I-580 WB (off)	Liv	0.52	I	E	3	888	36.8	A	864	32.5	B
A234	SR 84 (Liv) - SB - realign	I-580 WB (off)	Airway)	Liv	0.53	I	E	3	888	23.4	C	864	24.0	C



C.6 Arterials (Tier 2)

Table C-10. 2024 LOS Monitoring Results for Arterials (Tier 2), PM Peak Period

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	Class 1985/2000	2022 Results			2024 Results		
		From	To					Sample	Speed	LOS 85/00	Sample	Speed	LOS 85/00
T1	W.Grand Ave - Grand Ave -EB	I-80/Maritime St	San Pablo Ave	Oak	1.63	N	2 / 3	888	23.9	C / C	857	22.7	C / C
T2	W.Grand Ave - Grand Ave -EB	San Pablo Ave	Broadway	Oak	0.40	N	3 / 4	888	14.3	C / C	857	14.5	C / C
T3	W.Grand Ave - Grand Ave -EB	Broadway	I-580	Oak	1.08	N	3 / 4	888	14.5	C / C	772	15.9	C / C
T4	W.Grand Ave - Grand Ave -WB	I-580	Broadway	Oak	1.08	N	3 / 4	878	16.1	C / C	743	17.8	C / C
T5	W.Grand Ave - Grand Ave -WB	Broadway	San Pablo Ave	Oak	0.40	N	3 / 4	888	14.2	C / C	858	15.0	C / C
T6	W.Grand Ave - Grand Ave -WB	San Pablo Ave	I-80/Maritime St	Oak	1.63	N	2 / 3	73	25.3	B / B	5	25.4	B / B
T7	11th St - Lake Merritt Blvd - Lakeshore Ave-EB	I-980 ON Ramp/Brush St	Webster	Oak	0.60	N	3 / 4	888	13.1	C / C	855	14.1	C / C
T8	11th St - Lake Merritt Blvd - Lakeshore Ave-EB	Webster	East side of Lake Merritt Channel	Oak	0.66	N	3 / 4	121	14.6	C / C	700	16.6	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	3 / 4	857	16.2	C / C	643	18.0	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	3 / 4	872	16.0	C / C	674	18.1	C / C
T11	12th St - Lake Merritt Blvd - Lakeshore Ave-WB	East side of Lake Merritt Channel	Webster	Oak	0.64	N	3 / 4	888	13.8	C / C	753	15.7	C / C
T12	12th St - Lake Merritt Blvd - Lakeshore Ave-WB	Webster	I-980 OFF Ramp/Brush St	Oak	0.60	N	3 / 4	888	12.6	D / D	864	13.8	C / C
T13	Telegraph Ave-NB	51st Street	Russell St	Oak	1.41	N	3 / 4	887	17.6	C / C	831	17.7	C / C
T14	Telegraph Ave-NB	Russell St	Bancroft Way	Berk	0.77	N	3 / 4	888	14.6	C / C	792	14.3	C / C
T15	Dana-Dwight-Telegraph-SB	Bancroft Way	Russell St	Berk	0.90	N	3 / 4	845	18.8	C / C	614	18.2	C / C
T16	Telegraph Ave-SB	Russell St	51st Street	Oak	1.41	N	3 / 4	888	17.4	C / C	804	17.0	C / C
T17	Broadway-SB	Broadway/College Ave	Grand Ave	Oak	1.91	N	2 / 3	888	15.0	D / D	848	16.0	D / D
T18	Broadway-SB	Grand Ave	14th St	Oak	0.55	N	3 / 4	888	10.0	D / D	859	11.8	D / D
T19	Broadway-SB	14th St	5th St/Broadway	Oak	0.48	N	3 / 4	888	10.8	D / D	862	11.2	D / D
T20	Broadway (Connection to I-880)-SB	5th St/Broadway	I-880 ON Ramp	Oak	0.21	N	1 / 1	876	21.4	D / D	649	20.5	D / E
T21	Broadway (Connection to I-880)-NB	I-880 OFF Ramp	5th St/Broadway	Oak	1.26	N	1 / 2	888	16.2	E / E	855	17.3	D / D
T22	Broadway-NB	5th St/Broadway	14th St	Oak	0.48	N	3 / 4	888	11.5	D / D	630	11.2	D / D



Appendix C | 2024 Level of Service Results

Table C-10. 2024 LOS Monitoring Results for Arterials (Tier 2), PM Peak Period

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	Class 1985/2000	2022 Results			2024 Results		
		From	To					Sample	Speed	LOS 85/00	Sample	Speed	LOS 85/00
T23	Broadway-NB	14th St	Grand Ave	Oak	0.55	N	3 / 4	888	12.4	D / D	805	12.6	D / D
T24	Broadway-NB	Grand Ave	Broadway/College Ave	Oak	1.91	N	2 / 3	888	15.4	D / D	843	16.1	D / D
T25	Durant-EB	Shattuck	College Ave.	Berk	0.73	N	3 / 4	888	14.3	C / C	270	17.0	C / C
T26	College Avenue-SB	Bancroft Way/College Ave	Ashby Ave	Berk	0.85	N	3 / 4	835	11.3	D / D	570	12.4	D / D
T27	College Avenue-SB	Ashby Ave	Miles Ave/SR 24 OFF Ramp	Oak	0.83	N	3 / 4	867	12.4	D / D	673	13.7	C / C
T28	College Avenue-SB	Miles Ave/SR 24 OFF Ramp	Broadway/College Ave	Oak	0.61	N	3 / 4	844	13.9	C / C	534	14.2	C / C
T29	College Avenue-NB	Broadway/College Ave	Miles Ave/SR 24 OFF Ramp	Oak	0.61	N	3 / 4	831	13.1	C / C	666	14.7	C / C
T30	College Avenue-NB	Miles Ave/SR 24 OFF Ramp	Ashby Ave	Oak	0.83	N	3 / 4	854	12.2	D / D	728	13.7	C / C
T31	College Avenue-NB	Ashby Ave	Bancroft Way/College Ave	Berk	0.85	N	3 / 4	759	12.6	D / D	527	13.4	C / C
T32	Bancroft-WB	College Ave.	Shattuck	Berk	0.73	N	3 / 4	869	12.4	D / D	709	12.6	D / D
T33	51st Street-EB	SR 24 Off Ramp/52nd St	Broadway	Oak	0.75	N	3 / 4	888	18.7	C / C	842	19.3	B / B
T34	51st Street-WB	Broadway	SR 24 Off Ramp/52nd St	Oak	0.75	N	3 / 4	877	17.3	C / C	435	19.3	B / B
T35	Shattuck Avenue-NB	51st	Alcatraz Ave.	Oak	0.81	N	3 / 4	888	18.3	C / C	840	19.2	B / B
T36	Shattuck Avenue-NB	Alcatraz Ave.	Adeline St.	Oak	0.70	N	3 / 4	888	15.5	C / C	864	16.4	C / C
T37	Shattuck Avenue-SB	Adeline St.	Alcatraz Ave.	Oak	0.70	N	3 / 4	888	12.7	D / D	864	13.9	C / C
T38	Shattuck Avenue-SB	Alcatraz Ave.	51st	Oak	0.81	N	3 / 4	888	17.4	C / C	864	17.9	C / C
T39	Powell Street-Stanford Avenue-EB	NB I-80 OFF Ramp	San Pablo Ave	Emery	0.75	N	2 / 3	884	18.4	C / C	735	19.8	C / C
T40	Powell Street-Stanford Avenue-EB	San Pablo Ave	MLK Jr Way	Oak	0.76	N	2 / 3	804	24.5	B / B	741	22.8	C / C
T41	Powell Street-Stanford Avenue-WB	MLK Jr Way	San Pablo Ave	Oak	0.76	N	2 / 3	837	23.8	C / C	541	24.7	B / B
T42	Powell Street-Stanford Avenue-WB	San Pablo Ave	NB I-80 OFF Ramp	Emery	0.75	N	2 / 3	824	17.5	D / D	697	18.5	C / C
T43	40thStreet-Shellmound Avenue-EB	Shellmound Way (north of Powell St)	40th St	Emery	0.73	N	2 / 3	883	26.4	B / B	589	22.3	C / C
T44	40thStreet-Shellmound Avenue-EB	40th St	San Pablo Ave	Emery	0.68	N	3 / 4	883	20.5	B / B	705	18.5	C / C



Appendix C | 2024 Level of Service Results

Table C-10. 2024 LOS Monitoring Results for Arterials (Tier 2), PM Peak Period

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	Class 1985/2000	2022 Results			2024 Results		
		From	To					Sample	Speed	LOS 85/00	Sample	Speed	LOS 85/00
T45	40thStreet-Shellmound Avenue-WB	San Pablo Ave	40th St	Emery	0.68	N	3 / 4	875	19.1	B / B	656	20.8	B / B
T46	40thStreet-Shellmound Avenue-WB	40th St	Shellmound Way (north of Powell St)	Emery	0.73	N	2 / 3	888	18.2	C / C	771	22.5	C / C
T47	International Boulevard-NB	42nd Ave	Fruitvale Ave	Oak	0.62	N	3 / 4	888	13.3	C / C	661	12.1	D / D
T48	International Boulevard-NB	Fruitvale Ave	14th Ave	Oak	1.38	N	3 / 4	875	17.6	C / C	531	15.6	C / C
T49	International Boulevard-NB	14th Ave	Lake Merritt Blvd	Oak	0.88	N	3 / 4	875	18.7	C / C	687	18.6	C / C
T50	International Boulevard-SB	Lake Merritt Blvd	14th Ave	Oak	0.88	N	3 / 4	888	17.5	C / C	811	16.2	C / C
T51	International Boulevard-SB	14th Ave	Fruitvale Ave	Oak	1.38	N	3 / 4	888	16.4	C / C	679	14.9	C / C
T52	International Boulevard-SB	Fruitvale Ave	42nd Ave	Oak	0.62	N	3 / 4	888	12.2	D / D	651	11.1	D / D
T53	73d Ave-NB	International Blvd/73rd Ave	73rd Ave/Foothill Blvd	Oak	1.07	N	2 / 3	888	21.6	C / C	820	21.5	C / C
T54	Foothill Boulevard-NB	73rd Ave/Foothill Blvd	Seminary Ave	Oak	1.02	N	3 / 4	654	19.9	B / B	162	18.2	C / C
T55	Foothill Boulevard-NB	Seminary Ave	High Street	Oak	1.22	N	3 / 4	879	18.3	C / C	448	19.3	B / B
T56	Foothill Boulevard-NB	High Street	Fruitvale Ave	Oak	0.90	N	3 / 4	757	13.3	C / C	162	11.6	D / D
T57	Foothill Boulevard-NB	Fruitvale Ave	14th Ave	Oak	1.32	N	2 / 3	691	18.3	C / C	183	18.7	C / C
T58	Foothill Boulevard-NB	14th Ave	1st Ave/Lake Shore Blvd	Oak	0.88	N	3 / 4	817	17.7	C / C	297	17.5	C / C
T60	Foothill Boulevard-SB	14th Ave	Fruitvale Ave	Oak	1.32	N	2 / 3	736	16.4	D / D	127	16.6	D / D
T61	Foothill Boulevard-SB	Fruitvale Ave	High Street	Oak	0.90	N	3 / 4	664	12.2	D / D	261	12.8	D / D
T62	Foothill Boulevard-SB	High Street	Seminary Ave	Oak	1.22	N	3 / 4	871	17.8	C / C	530	19.3	B / B
T63	Foothill Boulevard-SB	Seminary Ave	73rd Ave/Foothill Blvd	Oak	1.02	N	3 / 4	832	18.7	C / C	293	19.4	B / B
T64	73d Ave-SB	73rd Ave/Foothill Blvd	International Blvd/73rd Ave	Oak	1.07	N	2 / 3	888	22.2	C / C	675	22.3	C / C
T65	E. 15th Street-SB/14th Avenue	1st Avenue	Foothill Blvd/14th Avenue	Oak	0.98	N	3 / 4	-	-	- / -	588	17.9	C / C
T66	High Street-EB	Otis Drive	Central Ave	Ala	0.58	N	3 / 4	938	19.2	B / B	708	19.8	B / B
T67	High Street-EB	Central Ave	Fernside Blvd	Ala	0.48	N	3 / 4	938	18.5	C / C	708	18.6	C / C
T68	High Street-EB	Fernside Blvd	NB I-880 OFF Ramp	Oak	0.50	N	2 / 3	790	13.3	E / E	579	15.3	D / D
T69	High Street-EB	NB I-880 OFF Ramp	Foothill Blvd	Oak	0.61	N	3 / 4	888	13.1	C / C	842	14.6	C / C
T70	High Street-EB	Foothill Blvd	MacArthur Blvd/WB I-580 OFF Ramp	Oak	1.29	N	3 / 4	888	18.2	C / C	833	18.3	C / C



Appendix C | 2024 Level of Service Results

Table C-10. 2024 LOS Monitoring Results for Arterials (Tier 2), PM Peak Period

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	Class 1985/2000	2022 Results			2024 Results		
		From	To					Sample	Speed	LOS 85/00	Sample	Speed	LOS 85/00
T71	High Street-WB	MacArthur Blvd/WB I-580 OFF Ramp	Foothill Blvd	Oak	1.29	N	3 / 4	869	18.3	C / C	755	18.2	C / C
T72	High Street-WB	Foothill Blvd	NB I-880 OFF Ramp	Oak	0.61	N	3 / 4	888	13.6	C / C	864	14.7	C / C
T73	High Street-WB	NB I-880 OFF Ramp	Fernside Blvd	Oak	0.50	N	2 / 3	888	17.8	D / D	792	19.5	C / C
T74	High Street-WB	Fernside Blvd	Central Ave	Ala	0.48	N	3 / 4	937	19.1	B / B	827	19.6	B / B
T75	High Street-WB	Central Ave	Otis Drive	Ala	0.58	N	3 / 4	765	18.1	C / C	406	18.1	C / C
T76	Crow Canyon Road/Grove Way-NB	A Street/Redwood Road	EB I-580 ON Ramp/Grove Way	Uninc	0.95	C	2 / 3	948	25.0	B / B	862	21.6	C / C
T77	Crow Canyon Road/Grove Way-NB	EB I-580 ON Ramp/Grove Way	Cull Canyon	Uninc	0.81	C	1 / 2	858	24.0	C / C	864	21.7	D / D
T78	Crow Canyon Road-NB	Cull Canyon	Cold Water Dr	Uninc	0.88	C	1 / 2	876	26.4	C / C	864	26.2	C / C
T79	Crow Canyon Road-NB	Cold Water Dr	0.43 miles north of Norris Canyon Rd	Uninc	2.41	C	1 / 2	876	41.9	A / A	864	33.9	B / B
T80	Crow Canyon Road-NB	0.43 miles north of Norris Canyon Rd	County Line	Uninc	2.97	C	1 / 1	876	41.5	A / B	864	31.7	B / C
T81	Crow Canyon Road-SB	County Line	0.43 miles north of Norris Canyon Rd	Uninc	2.97	C	1 / 1	873	41.9	A / B	574	37.8	A / B
T82	Crow Canyon Road-SB	0.43 miles north of Norris Canyon Rd	Cold Water Dr	Uninc	2.40	C	1 / 2	873	39.4	A / A	608	38.9	A / A
T83	Crow Canyon Road-SB	Cold Water Dr	Cull Canyon	Uninc	0.89	C	1 / 2	871	30.1	B / B	796	32.0	B / B
T84	Crow Canyon Road/Grove Way-SB	Cull Canyon	EB I-580 ON Ramp/Grove Way	Uninc	0.82	C	1 / 2	876	29.4	B / B	796	28.1	B / B
T85	Crow Canyon Road/Grove Way-SB	EB I-580 ON Ramp/Grove Way	A Street/Redwood Road	Uninc	0.94	C	2 / 3	935	24.7	B / B	605	23.9	C / C
T86	Winton Avenue - D Street-EB	Hesperian Blvd.	SB I-880 ON Ramp	Hay	0.39	C	2 / 3	948	16.1	D / D	864	14.9	D / D
T87	Winton Avenue - D Street-EB	SB I-880 ON Ramp	Santa Clara St	Hay	0.35	C	2 / 3	948	18.1	C / C	864	18.8	C / C
T88	Winton Avenue - D Street-EB	Santa Clara St	Soto Rd	Hay	0.55	C	2 / 3	948	20.7	C / C	864	18.5	C / C
T89	Winton Avenue - D Street-EB	Soto Rd	Foothill Boulevard/D St	Hay	0.92	C	2 / 3	948	16.7	D / D	837	16.9	D / D
T90	Winton Avenue - D Street-WB	Foothill Boulevard/D St	Soto Rd	Hay	0.92	C	2 / 3	937	21.3	C / C	755	20.5	C / C
T91	Winton Avenue - D Street-WB	Soto Rd	Santa Clara St	Hay	0.55	C	2 / 3	948	22.2	C / C	837	22.2	C / C
T92	Winton Avenue - D Street-WB	Santa Clara St	SB I-880 ON Ramp	Hay	0.35	C	2 / 3	948	29.3	B / B	851	29.9	B / B
T93	Winton Avenue - D Street-WB	SB I-880 ON Ramp	Hesperian Blvd.	Hay	0.39	C	2 / 3	948	19.9	C / C	864	22.1	C / C
T94	A Street-EB	Foothill Boulevard/A St	Redwood Rd/Grove Way	Uninc	0.80	C	2 / 3	948	21.8	C / C	864	21.1	C / C



Appendix C | 2024 Level of Service Results

Table C-10. 2024 LOS Monitoring Results for Arterials (Tier 2), PM Peak Period

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	Class 1985/2000	2022 Results			2024 Results		
		From	To					Sample	Speed	LOS 85/00	Sample	Speed	LOS 85/00
T95	A Street-EB	Redwood Rd/Grove Way	EB I-580 ON Ramp/Grove Way	Uninc	0.42	C	2 / 3	948	19.6	C / C	864	18.8	C / C
T96	A Street-WB	EB I-580 ON Ramp/Grove Way	Redwood Rd/Grove Way	Uninc	0.42	C	2 / 3	948	21.7	C / C	864	20.8	C / C
T97	A Street-WB	Redwood Rd/Grove Way	Foothill Boulevard/A St	Uninc	0.80	C	2 / 3	948	20.3	C / C	864	20.2	C / C
T98	Hesperian Boulevard-Union City Blvd-NB	Union City/Alvarado Blvd	Whipple Rd	Uni City	0.98	S	1 / 2	888	20.1	D / D	864	17.0	E / E
T99	Hesperian Boulevard-Union City Blvd-NB	Whipple Rd	Hesperian/Union City Blvd/overbridge	Uni City	0.30	S	1 / 2	888	19.1	D / D	864	15.5	E / E
T100	Hesperian Boulevard-Union City Blvd-NB	Hesperian/Union City Blvd/overbridge	Industrial Blvd	Hay	0.57	S	1 / 2	888	19.0	D / D	864	16.3	E / E
T101	Hesperian Boulevard-Union City Blvd-NB	Industrial Blvd	Tennyson/Hesperian	Hay	1.05	S	2 / 3	948	27.4	B / B	864	27.7	B / B
T102	Hesperian Boulevard-Union City Blvd-SB	Tennyson/Hesperian	Industrial Blvd	Hay	1.05	S	2 / 3	947	32.1	A / A	864	31.0	A / A
T103	Hesperian Boulevard-Union City Blvd-SB	Industrial Blvd	Hesperian/Union City Blvd/overbridge	Hay	0.57	S	1 / 2	888	25.2	C / C	864	24.2	C / C
T104	Hesperian Boulevard-Union City Blvd-SB	Hesperian/Union City Blvd/overbridge	Whipple Rd	Uni City	0.30	S	1 / 2	888	21.4	D / D	864	23.9	C / C
T105	Hesperian Boulevard-Union City Blvd-SB	Whipple Rd	Union City/Alvarado Blvd	Uni City	0.98	S	1 / 2	888	28.6	B / B	864	26.7	C / C
T106	Alvarado Blvd.-NB	NB I-880 ON Ramp	Deep Creek Rd/SB I-880 OFF Ramp	Fre	0.22	S	1 / 2	948	28.2	B / B	864	25.9	C / C
T107	Alvarado Blvd.-NB	Deep Creek Rd/SB I-880 OFF Ramp	Fair Ranch Rd	Uni City	1.42	S	1 / 2	888	26.0	C / C	864	25.8	C / C
T108	Alvarado Blvd.-NB	Fair Ranch Rd	Union City/Alvarado Blvd	Uni City	0.51	S	1 / 2	888	22.4	C / C	864	21.6	D / D
T109	Alvarado Blvd.-SB	Union City/Alvarado Blvd	Fair Ranch Rd	Uni City	0.51	S	1 / 2	888	22.9	C / C	749	21.8	D / D
T110	Alvarado Blvd.-SB	Fair Ranch Rd	Deep Creek Rd/SB I-880 OFF Ramp	Uni City	1.42	S	1 / 2	888	25.9	C / C	749	26.4	C / C
T111	Alvarado Blvd.-SB	Deep Creek Rd/SB I-880 OFF Ramp	NB I-880 ON Ramp	Fre	0.22	S	1 / 2	948	27.4	C / C	864	26.1	C / C
T112	Fremont Boulevard-NB	NB I-880 OFF Ramp	Automall Parkway	Fre	1.28	S	1 / 2	948	23.7	C / C	864	23.0	C / C
T113	Fremont Boulevard-NB	Automall Parkway	Blacow Rd	Fre	0.91	S	1 / 2	948	32.1	B / B	864	31.3	B / B
T114	Fremont Boulevard-NB	Blacow Rd	Adams Ave	Fre	0.38	S	1 / 2	948	27.7	C / C	864	27.7	C / C



Appendix C | 2024 Level of Service Results

Table C-10. 2024 LOS Monitoring Results for Arterials (Tier 2), PM Peak Period

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	Class 1985/2000	2022 Results			2024 Results		
		From	To					Sample	Speed	LOS 85/00	Sample	Speed	LOS 85/00
T115	Fremont Boulevard-NB	Adams Ave	Stevenson Rd	Fre	1.17	S	2 / 3	948	20.9	C / C	702	19.7	C / C
T116	Fremont Boulevard-NB	Stevenson Rd	Mowry Ave	Fre	1.00	S	2 / 3	948	21.9	C / C	864	25.8	B / B
T117	Fremont Boulevard-NB	Mowry Ave	Peralta Blvd	Fre	1.21	S	2 / 3	948	21.3	C / C	863	25.4	B / B
T118	Fremont Boulevard-NB	Peralta Blvd	Thornton Ave	Fre	0.33	S	2 / 3	940	17.0	D / D	864	20.2	C / C
T119	Fremont Boulevard-NB	Thornton Ave	Decoto Rd	Fre	1.33	S	1 / 2	948	25.1	C / C	864	25.8	C / C
T120	Fremont Boulevard-NB	Decoto Rd	Paseo Padre Pkwy	Fre	0.56	S	1 / 2	948	27.1	C / C	864	23.8	C / C
T121	Fremont Boulevard-NB	Paseo Padre Pkwy	NB I-880 OFF Ramp	Fre	0.39	S	1 / 2	948	28.4	B / B	864	25.9	C / C
T122	Fremont Boulevard-SB	NB I-880 OFF Ramp	Paseo Padre Pkwy	Fre	0.39	S	1 / 2	948	26.7	C / C	864	25.3	C / C
T123	Fremont Boulevard-SB	Paseo Padre Pkwy	Decoto Rd	Fre	0.56	S	1 / 2	948	25.4	C / C	864	25.4	C / C
T124	Fremont Boulevard-SB	Decoto Rd	Thornton Ave	Fre	1.33	S	1 / 2	948	25.5	C / C	862	26.4	C / C
T125	Fremont Boulevard-SB	Thornton Ave	Peralta Blvd	Fre	0.32	S	2 / 3	948	19.1	C / C	864	19.3	C / C
T126	Fremont Boulevard-SB	Peralta Blvd	Mowry Ave	Fre	1.21	S	2 / 3	948	22.1	C / C	837	22.9	C / C
T127	Fremont Boulevard-SB	Mowry Ave	Stevenson Rd	Fre	1.00	S	2 / 3	948	22.0	C / C	864	25.0	B / B
T128	Fremont Boulevard-SB	Stevenson Rd	Adams Ave	Fre	1.17	S	2 / 3	948	23.0	C / C	859	21.4	C / C
T129	Fremont Boulevard-SB	Adams Ave	Blacow Rd	Fre	0.38	S	1 / 2	948	27.1	C / C	859	27.8	C / C
T130	Fremont Boulevard-SB	Blacow Rd	Automall Parkway	Fre	0.91	S	1 / 2	948	31.3	B / B	859	33.1	B / B
T131	Fremont Boulevard-SB	Automall Parkway	NB I-880 OFF Ramp	Fre	1.28	S	1 / 2	948	31.2	B / B	860	29.6	B / B
T132	Automall Parkway-EB	NB I-880 OFF Ramp	Fremont Blvd	Fre	0.85	S	1 / 2	948	22.6	C / C	864	22.9	C / C
T133	Automall Parkway-EB	Fremont Blvd	NB I-680 ON Ramp	Fre	0.74	S	1 / 2	948	23.6	C / C	858	22.6	C / C
T134	Automall Parkway-WB	NB I-680 ON Ramp	Fremont Blvd	Fre	0.75	S	1 / 2	948	24.0	C / C	864	20.5	D / D
T135	Automall Parkway-WB	Fremont Blvd	NB I-880 OFF Ramp	Fre	0.85	S	1 / 2	948	28.4	B / B	864	24.5	C / C
T136	Vasco Road-NB	WB I-580 OFF Ramp	Scenic Ave	Liv	0.44	E	1 / 2	888	13.2	E / E	864	24.3	C / C
T137	Vasco Road-NB	Scenic Ave	Dalton Ave/City-County Line	Liv	0.68	E	1 / 2	888	9.7	F / F	864	15.2	E / E
T138	Vasco Road-NB	Dalton Ave/City-County Line	N. Vasco Rd/Vasco Rd	Uninc	3.11	E	1 / 2	888	47.7	A / A	864	47.1	A / A
T139	Vasco Road-NB	N. Vasco Rd/Vasco Rd	Local Road underpass/County Line	Uninc	2.25	E	1 / 2	888	37.7	A / A	864	48.8	A / A
T140	Vasco Road-SB	Local Road underpass/County Line	N. Vasco Rd/Vasco Rd	Uninc	2.25	E	1 / 2	888	63.4	A / A	864	41.8	A / A



Appendix C | 2024 Level of Service Results

Table C-10. 2024 LOS Monitoring Results for Arterials (Tier 2), PM Peak Period

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	Class 1985/2000	2022 Results			2024 Results		
		From	To					Sample	Speed	LOS 85/00	Sample	Speed	LOS 85/00
T141	Vasco Road-SB	N. Vasco Rd/Vasco Rd	Dalton Ave/City-County Line	Uninc	3.11	E	1 / 2	888	53.9	A / A	864	37.2	A / A
T142	Vasco Road-SB	Dalton Ave/City-County Line	Scenic Ave	Liv	0.68	E	1 / 2	888	32.5	B / B	864	25.9	C / C
T143	Vasco Road-SB	Scenic Ave	WB I-580 OFF Ramp	Liv	0.44	E	1 / 2	888	32.5	B / B	741	30.8	B / B
T144	Dublin Blvd.-EB	San Ramon Road	Village Parkway	Dub	0.73	E	2 / 3	888	20.2	C / C	864	18.9	C / C
T145	Dublin Blvd.-EB	Village Parkway	Dougherty Rd	Dub	0.81	E	2 / 3	888	24.9	B / B	864	23.5	C / C
T146	Dublin Blvd.-EB	Dougherty Rd	Hacienda Dr	Dub	1.21	E	1 / 2	888	27.0	C / C	864	24.8	C / C
T147	Dublin Blvd.-EB	Hacienda Dr	Tassajara Dr	Dub	0.89	E	1 / 2	222	21.8	D / D	864	25.4	C / C
T148	Dublin Blvd.-WB	Tassajara Dr	Hacienda Dr	Dub	0.89	E	1 / 2	888	26.4	C / C	864	26.8	C / C
T149	Dublin Blvd.-WB	Hacienda Dr	Dougherty Rd	Dub	1.21	E	1 / 2	888	28.1	B / B	864	26.6	C / C
T150	Dublin Blvd.-WB	Dougherty Rd	Village Parkway	Dub	0.81	E	2 / 3	888	25.0	B / B	864	24.2	B / B
T151	Dublin Blvd.-WB	Village Parkway	San Ramon Road	Dub	0.73	E	2 / 3	888	19.4	C / C	864	20.0	C / C
T152	San Ramon Road-NB	WB I-580 OFF ramp	Silvergate Dr	Dub	0.64	E	1 / 2	888	25.6	C / C	864	23.8	C / C
T153	San Ramon Road-NB	Silvergate Dr	Alcosta Blvd/Westside Dr/County Line	Dub	0.99	E	1 / 2	888	33.8	B / B	864	32.2	B / B
T154	San Ramon Road-SB	Alcosta Blvd/Westside Dr/County Line	Silvergate Dr	Dub	0.99	E	1 / 2	888	34.7	B / B	864	34.0	B / B
T155	San Ramon Road-SB	Silvergate Dr	WB I-580 OFF ramp	Dub	0.64	E	1 / 2	888	25.6	C / C	864	25.8	C / C
T156	Dougherty Road-NB	WB I-580 OFF ramp	Amador Valley Blvd on SB	Dub	1.12	E	1 / 2	888	33.3	B / B	864	27.3	C / C
T157	Dougherty Road-NB	Amador Valley Blvd on SB	Fallcreek Rd on SB/County Line	Dub	0.80	E	1 / 2	888	43.7	A / A	864	46.6	A / A
T158	Dougherty Road-SB	Fallcreek Rd on SB/County Line	Amador Valley Blvd on SB	Dub	0.80	E	1 / 2	888	38.0	A / A	864	40.3	A / A
T159	Dougherty Road-SB	Amador Valley Blvd on SB	WB I-580 OFF ramp	Dub	1.12	E	1 / 2	888	28.5	B / B	864	25.7	C / C
T160	Tassajara Road-NB	WB I-580 OFF ramp	Central Parkway	Dub	0.49	E	1 / 2	888	22.6	C / C	864	20.3	D / D
T161	Tassajara Road-NB	Central Parkway	Somerset Ln/N Dublin Ranch Dr	Dub	0.68	E	1 / 2	888	32.7	B / B	864	30.9	B / B
T162	Tassajara Road-NB	Somerset Ln/N Dublin Ranch Dr	Fallon Rd	Dub	1.04	E	1 / 2	888	32.2	B / B	864	32.0	B / B
T163	Tassajara Road-NB	Fallon Rd	County Line	Dub	0.51	E	1 / 1	888	36.5	A / B	864	34.9	B / B
T164	Tassajara Road-SB	County Line	Fallon Rd	Dub	0.51	E	1 / 1	888	36.6	A / B	864	35.7	A / B



Appendix C | 2024 Level of Service Results

Table C-10. 2024 LOS Monitoring Results for Arterials (Tier 2), PM Peak Period

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	Class 1985/2000	2022 Results			2024 Results		
		From	To					Sample	Speed	LOS 85/00	Sample	Speed	LOS 85/00
T165	Tassajara Road-SB	Fallon Rd	Somerset Ln/N Dublin Ranch Dr	Dub	1.04	E	1 / 2	888	35.4	A / A	864	35.2	A / A
T166	Tassajara Road-SB	Somerset Ln/N Dublin Ranch Dr	Central Parkway	Dub	0.68	E	1 / 2	888	29.3	B / B	864	29.7	B / B
T167	Tassajara Road-SB	Central Parkway	WB I-580 OFF ramp	Dub	0.49	E	1 / 2	888	23.7	C / C	864	22.1	C / C
T168	E. Stanley Blvd - Railroad Avenue - 1st Street-NB	SR 84/Isabel Ave	Murrita Blvd	Liv	0.91	E	1 / 2	888	31.3	B / B	864	30.1	B / B
T169	E. Stanley Blvd - Railroad Avenue - 1st Street-NB	Murrita Blvd	S Livermore Ave	Liv	1.07	E	2 / 3	888	22.5	C / C	864	21.6	C / C
T170	E. Stanley Blvd - Railroad Avenue - 1st Street-NB	S Livermore Ave	Inman St	Liv	0.46	E	2 / 3	888	26.9	B / B	488	20.9	C / C
T171	E. Stanley Blvd - Railroad Avenue - 1st Street-SB	Inman St	S Livermore Ave	Liv	0.46	E	2 / 3	888	21.0	C / C	353	19.8	C / C
T172	E. Stanley Blvd - Railroad Avenue - 1st Street-SB	S Livermore Ave	Murrita Blvd	Liv	1.07	E	2 / 3	886	21.8	C / C	794	22.5	C / C
T173	E. Stanley Blvd - Railroad Avenue - 1st Street-SB	Murrita Blvd	SR 84/Isabel Ave	Liv	0.91	E	1 / 2	888	37.8	A / A	864	37.1	A / A
T174	Stoneridge Drive-EB	SB I-680 OFF Ramp	Hopyard Rd	Plea	0.93	E	1 / 2	888	32.4	B / B	864	25.7	C / C
T175	Stoneridge Drive-EB	Hopyard Rd	Hacienda Dr	Plea	0.49	E	1 / 2	888	23.0	C / C	864	21.1	D / D
T176	Stoneridge Drive-EB	Hacienda Dr	W. Las Positas Blvd	Plea	0.63	E	1 / 2	888	27.9	C / C	864	27.0	C / C
T177	Stoneridge Drive-EB	W. Las Positas Blvd	Santa Rita Road	Plea	0.44	E	1 / 2	888	27.0	C / C	864	26.7	C / C
T178	Santa Rita Road-EB	Stoneridge Dr/Santa Rita Road	W. Los Positas Blvd	Plea	0.29	E	1 / 2	888	28.9	B / B	864	27.0	C / C
T179	Santa Rita Road-EB	W. Los Positas Blvd	WB I-580 OFF Ramp	Plea	0.88	E	1 / 2	888	28.4	B / B	864	26.9	C / C
T180	Santa Rita Road-WB	WB I-580 OFF Ramp	W. Los Positas Blvd	Plea	0.88	E	1 / 2	888	29.8	B / B	864	27.3	C / C
T181	Santa Rita Road-WB	W. Los Positas Blvd	Santa Rita Road	Plea	0.29	E	1 / 2	888	30.6	B / B	864	29.2	B / B
T182	Stoneridge Drive-WB	Santa Rita Road	W. Las Positas Blvd	Plea	0.44	E	1 / 2	888	27.8	C / C	864	28.8	B / B
T183	Stoneridge Drive-WB	W. Las Positas Blvd	Hacienda Dr	Plea	0.63	E	1 / 2	888	27.7	C / C	864	30.0	B / B
T184	Stoneridge Drive-WB	Hacienda Dr	Hopyard Rd	Plea	0.49	E	1 / 2	888	22.6	C / C	864	23.2	C / C
T185	Stoneridge Drive-WB	Hopyard Rd	SB I-680 OFF Ramp	Plea	0.93	E	1 / 2	888	31.0	B / B	864	24.7	C / C
T186	Sunol Blvd.- 1st Street- Stanley Blvd.-NB	NB I-680 OFF	Bernal Ave	Plea	1.23	E	1 / 2	888	26.2	C / C	835	28.3	B / B
T187	Sunol Blvd.- 1st Street- Stanley Blvd.-NB	Bernal Ave	Ray/Vineyard	Plea	0.63	E	3 / 4	888	12.7	D / D	864	16.3	C / C



Appendix C | 2024 Level of Service Results

Table C-10. 2024 LOS Monitoring Results for Arterials (Tier 2), PM Peak Period

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	Class 1985/2000	2022 Results			2024 Results		
		From	To					Sample	Speed	LOS 85/00	Sample	Speed	LOS 85/00
T188	Sunol Blvd.- 1st Street- Stanley Blvd.-NB	Ray/Vineyard	Bernal Ave/Valley Ave	Plea	0.86	E	2 / 3	888	29.6	B / B	864	28.0	B / B
T189	Sunol Blvd.- 1st Street- Stanley Blvd.-NB	Bernal Ave/Valley Ave	SR 84/Isabel Ave	Liv	2.98	E	1 / 1	888	54.3	A / A	864	51.4	A / A
T190	Sunol Blvd.- 1st Street- Stanley Blvd.-SB	SR 84/Isabel Ave	Bernal Ave/Valley Ave	Liv	2.98	E	1 / 1	888	55.1	A / A	864	53.5	A / A
T191	Sunol Blvd.- 1st Street- Stanley Blvd.-SB	Bernal Ave/Valley Ave	Ray/Vineyard	Plea	0.86	E	2 / 3	888	27.8	B / B	844	28.5	B / B
T192	Sunol Blvd.- 1st Street- Stanley Blvd.-SB	Ray/Vineyard	Bernal Ave	Plea	0.63	E	3 / 4	888	19.3	B / B	859	19.7	B / B
T193	Sunol Blvd.- 1st Street- Stanley Blvd.-SB	Bernal Ave	NB I-680 OFF	Plea	1.23	E	1 / 2	888	32.2	B / B	856	31.9	B / B
T194	14th Avenue - EB	E 8th Street	Foothill Boulevard	Oak	0.26	N	3 / 3	888	12.9	D / E	778	13.8	C / E
T195	14th Street-Lake Merritt Blvd - WB	12th Street	Bush Street	Oak	1.13	N	3 / 3	840	14.7	C / D	554	15.1	C / D
T196	20th Street	Harrison Street	San Pablo Avenue	Oak	0.51	N	2 / 3	840	12.4	E / E	486	12.4	E / E
T197	23rd Avenue - NB	23rd Ave NB/SB Split	E 11th	Oak	0.15	N	3 / 3	888	21.9	B / C	800	22.5	B / C
T198	23rd Avenue - SB	E 12th St	23rd Ave NB/SB Split	Oak	0.14	N	3 / 3	888	23.4	B / C	800	21.0	B / C
T199	29th Avenue	Ford St	International/E 14th	Oak	0.52	C	2 / 3	845	13.1	E / E	415	12.5	E / E
T200	40th Street-Shellmound Avenue - WB	Broadway	Powell Boulevard	Oak	1.31	N	3 / 3	941	18.0	C / C	656	18.7	C / C
T201	42nd Avenue-Courtland	International Blvd	High Street	Oak	0.37	C	2 / 3	808	16.5	D / D	444	17.8	D / D
T202	52nd Street - WB	Telegraph Avenue	Shattuck	Oak	0.11	N	3 / 3	887	13.1	C / E	23	14.6	C / D
T203	55th Street	Shattuck Avenue	Market Street	Oak	0.52	N	2 / 3	881	17.5	D / D	806	18.6	C / C
T204	5th Street	Oak Street	Adeline Street	Oak	1.32	N	2 / 3	874	16.0	D / D	na	na	- / -
T205	6th Street	Oak Street	Adeline Street	Oak	1.32	N	2 / 3	888	36.1	A / A	334	23.9	C / C
T206	73rd Avenue	MacArthur Blvd	I-580	Oak	0.79	C	2 / 3	882	19.0	C / C	765	19.6	C / C
T207	7th Street-E 8th Street	14th Avenue	I-880	Oak	3.43	N	2 / 3	165	17.7	D / D	100	17.6	D / D
T208	8th Street - WB	Harrison	Broadway	Oak	0.22	N	3 / 3	888	10.3	D / E	833	10.2	D / E
T209	98th Avenue - EB	Airport Access Road	I-580	Oak	3.25	N	3 / 3	881	17.4	C / D	562	18.1	C / C
T210	Airport Access Road - NB	Dollittle Drive	Hegenberger Road	Oak	0.32	N	3 / 3	884	16.5	C / D	90	17.9	C / D
T211	Altamont Pass Road-Grant Line - EB	Greenville Road	County Line (EB)	Uninc	9.71	E	1 / 2	888	30.7	B / B	790	31.2	B / B



Appendix C | 2024 Level of Service Results

Table C-10. 2024 LOS Monitoring Results for Arterials (Tier 2), PM Peak Period

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	Class 1985/2000	2022 Results			2024 Results		
		From	To					Sample	Speed	LOS 85/00	Sample	Speed	LOS 85/00
T212	Altamont Pass Road-Grant Line	Laughlin Rd	Greenville Road	Uninc	0.49	E	1 / 2	884	26.7	C / C	721	27.8	C / C
T213	AltamontPass-Grant Line	Vasco Road	Laughlin Rd	Liv	0.90	E	1 / 2	884	30.5	B / B	721	29.7	B / B
T214	Alvarado-Niles/Smith/NilesBlvd - EB	Union City Boulevard	Mission Boulevard	Uni City	6.89	S	3 / 3	948	24.4	B / B	490	24.9	B / B
T215	Auto Mall Parkway - EB	Cherry Street	I-880	Fre	0.75	S	3 / 3	948	18.1	C / C	864	20.1	B / C
T216	B Street	Foothill Boulevard	Mission Boulevard	Hay	0.20	S	2 / 3	940	10.5	E / E	838	11.3	E / E
T217	Bernal Avenue - EB	Bernal Avenue	Sunol Blvd/First St	Plea	1.37	E	1 / 1	888	28.7	B / C	864	28.9	B / C
T218	Broadway - NB	College Ave	SR24	Oak	0.94	N	3 / 3	888	19.6	B / C	864	18.8	C / C
T219	Broadway	Encinal Avenue	Tilden Way	Ala	0.55	C	2 / 3	948	15.0	D / D	824	15.9	D / D
T220	Buchanan Street-Marin Avenue - EB	I-80	Arlington/Del Norte	Alb	2.12	N	3 / 3	880	16.2	C / D	833	17.4	C / D
T221	Bush Street	7th Street	San Pablo Avenue	Oak	0.87	N	2 / 3	878	21.0	C / C	764	22.2	C / C
T223	Carlos Bee Blvd-Hayward Blvd	Campus Drive	Mission Boulevard	Hay	0.93	S	1 / 2	948	31.6	B / B	805	31.7	B / B
T224	Casto Street - NB	7th Street	San Pablo Avenue	Oak	0.77	N	3 / 3	886	22.9	B / C	661	20.2	B / C
T225	Castro Valley Boulevard-Mattox - EB	Mission Boulevard	Crow Canyon Road	Uninc	2.70	C	3 / 3	876	18.8	C / C	81	18.6	C / C
T226	Central Avenue - NB	Cherry Street	I-880	New	0.85	S	3 / 3	947	28.3	A / B	862	26.6	A / B
T227	Cherry-Boyce-Cushing	I-880	Thornton Avenue	New	5.67	S	1 / 2	948	34.0	B / B	858	29.6	B / B
T228	Claremont Avenue	Telegraph Avenue	Ashby Avenue	Oak	2.62	N	2 / 3	449	18.5	C / C	857	18.6	C / C
T229	Clawiter Road - SB	Winton Avenue	SR-92	Hay	1.75	C	3 / 3	948	25.6	A / B	10	24.1	B / B
T230	Constitution Way-8th Street	Central Avenue	Webster Street	Ala	0.95	C	2 / 3	948	15.4	D / D	828	17.8	D / D
T231	Dublin Boulevard	Fallon Road	Tassajara Road	Dub	1.24	E	1 / 2	888	25.9	C / C	859	25.4	C / C
T232	Durant Avenue	Shattuck Avenue	College Avenue	Berk	0.73	N	2 / 3	888	14.3	D / D	270	17.0	D / D
T233	Dyer Street - SB	Whipple Road	Alvarado Boulevard	Uni City	1.15	S	3 / 3	888	23.9	B / C	854	24.8	B / B
T234	E 12th Street	40th St	Lake Merritt Blvd	Oak	2.82	N	2 / 3	888	28.9	B / B	241	19.4	C / C
T235	E 18th Street - EB	Lakeshore Avenue	Park Boulevard	Oak	0.22	N	3 / 3	293	12.8	D / E	187	14.5	C / D
T236	East Avenue - EB	Livermore Avenue	Vasco Road	Liv	2.53	E	2 / 2	888	29.9	B / B	828	28.8	B / B
T237	El Charro Road - NB	Stoneridge Drive	I-580	Plea	0.26	E	2 / 2	888	42.1	A / A	864	22.9	C / C
T238	Estudillo Avenue - EB	E 14th St	MacArthur Blvd	San L	0.98	C	3 / 3	888	20.2	B / C	841	21.3	B / C
T239	Fallon Road	I-580	Tassajara Road	Dub	2.85	E	1 / 2	888	34.7	B / B	864	33.5	B / B



Appendix C | 2024 Level of Service Results

Table C-10. 2024 LOS Monitoring Results for Arterials (Tier 2), PM Peak Period

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	Class 1985/2000	2022 Results			2024 Results		
		From	To					Sample	Speed	LOS 85/00	Sample	Speed	LOS 85/00
T240	Fernside Boulevard	Otis-Dollittle Drive	High Street	Ala	1.15	C	2 / 3	948	20.7	C / C	386	20.8	C / C
T241	First Street - EB	Stanley Boulevard	Railroad Avenue	Liv	0.88	E	2 / 2	331	13.2	E / E	76	14.3	D / E
T242	Foothill Road - NB	Stoneridge Drive	I-580	Plea	0.74	E	2 / 2	888	22.7	C / C	864	22.6	C / C
T243	Fremont Boulevard	I-880	County Line	Fre	3.01	S	1 / 2	948	40.7	A / A	814	35.7	A / A
T244	Fruitvale Avenue - NB	Tilden Way	MacArthur Blvd	Oak	2.37	N	3 / 3	948	13.4	C / E	632	13.7	C / E
T245	Gilman Street - EB	I-80	San Pablo Boulevard	Berk	0.63	N	3 / 3	888	15.2	C / D	864	16.1	C / D
T246	Gimmer Boulevard - SB	Paseo Padre Parkway	Mission Boulevard	Fre	5.08	S	3 / 3	909	28.6	A / B	804	27.4	A / B
T247	Harrison St-Oakland Ave - EB	20th Street	MacArthur Blvd	Oak	0.99	N	3 / 3	885	15.0	C / D	809	17.4	C / D
T248	High Street - NB	I-580	MacArthur Blvd	Oak	0.05	N	3 / 3	888	12.6	D / E	833	15.0	C / D
T249	Industrial Blvd-Pkwy West - EB	Clawiter Road	Mission Boulevard	Hay	5.06	C	3 / 3	948	23.9	B / C	860	24.9	B / B
T250	Industrial Pkwy Southwest	Industrial Pkwy West	Whipple Road	Hay	0.92	S	1 / 2	948	28.8	B / B	816	27.0	C / C
T251	Isabel Avenue	Portola Avenue	Airway Boulevard	Liv	0.85	E	1 / 2	888	29.3	B / B	862	29.4	B / B
T252	Lewelling Boulevard - EB	Hesperian Boulevard	Hespedian Boulevard	Uninc	1.42	C	3 / 3	948	19.2	B / C	687	19.3	B / C
T253	Lewelling Boulevard - WB	Hesperian Boulevard	Wicks Boulevard	San L	1.53	C	3 / 3	939	26.1	A / B	609	25.6	A / B
T254	Livermore Avenue - NB	Tesla Road	I-580	Liv	3.29	E	2 / 2	832	25.6	B / C	582	24.8	B / C
T255	MacArthur-Santa Clara - WB	Estudillo Avenue	Seminary Ave	Oak	4.36	C-N	3 / 3	818	23.4	B / C	262	21.3	B / C
T256	Main St-Santa Rita Rd	Bernal Avenue	Stoneridge Drive	Plea	3.10	E	1 / 2	879	20.7	D / D	615	21.0	D / D
T257	Marina Boulevard - WB	Washington Avenue	Dollittle Drive	San L	1.80	C	3 / 3	845	20.2	B / C	603	20.5	B / C
T258	Market Street - NB	55th Street	Stanford Avenue	Oak	0.36	N	3 / 3	888	16.0	C / D	818	17.4	C / D
T259	Martin Luther King Jr Way - NB	Adeline Street	Marin Avenue	Berk	2.67	N	3 / 3	883	15.1	C / D	795	16.2	C / D
T260	Martin Luther King Jr Way - NB	San Pablo Avenue	47th Street	Oak	1.78	N	3 / 3	106	19.7	B / C	380	20.7	B / C
T261	Mission Boulevard - SB	I-680	I-680	Fre	3.01	S	3 / 3	948	34.0	A / A	864	31.5	A / A
T262	Mowry Avenue	I-880	Cherry Street	New	0.78	S	1 / 2	948	23.5	C / C	689	22.0	C / C
T263	Neal Street	Main St	1st Street	Plea	0.13	E	1 / 2	888	11.5	F / F	741	12.5	F / F
T264	North Canyons Parkway-Portola	Airway Boulevard	1st Street	Liv	4.20	E	1 / 2	884	31.1	B / B	758	30.1	B / B
T265	Osgood Road-WarmSpringsBlvd	County Line	Fremont/Washington	Fre	5.48	S	1 / 2	948	29.0	B / B	864	27.1	C / C
T266	Otis Drive	Park Street	Broadway	Ala	0.24	N	2 / 3	948	15.4	D / D	863	14.6	D / D



Appendix C | 2024 Level of Service Results

Table C-10. 2024 LOS Monitoring Results for Arterials (Tier 2), PM Peak Period

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	Class 1985/2000	2022 Results			2024 Results		
		From	To					Sample	Speed	LOS 85/00	Sample	Speed	LOS 85/00
T267	Owens Drive - EB	Willow Road	W Las Positas Blvd	Plea	1.10	E	2 / 2	886	30.1	A / B	831	26.0	B / C
T268	Park Boulevard - EB	E. 18th Street	SR-13	Oak	3.12	N	3 / 3	881	22.8	B / C	756	22.5	B / C
T269	Park Street - NB	Otis Drive	Encinal Avenue	Ala	0.42	N	3 / 3	948	15.2	C / D	856	15.7	C / D
T270	Paseo Padre Parkway - WB	Grimmer Boulevard	Peralta Boulevard	Fre	2.30	S	3 / 3	948	23.6	B / C	864	24.7	B / B
T271	Paseo Padre Parkway - EB	Sr-84	Ardenwood Boulevard	Fre	1.50	S	3 / 3	948	35.9	A / A	864	33.9	A / A
T272	Patterson Pass Road - EB	Vasco	County Line	Liv	10.11	E	1 / 2	887	39.2	A / A	640	37.1	A / A
T273	Redwood Road - NB	I-580	Catro Valley Boul	Uninc	0.38	C	3 / 3	876	14.1	C / D	864	13.7	C / E
T274	San Leandro Blvd - EB	San Leandro/Oakland	E 14th Street	San L	2.18	C-N	3 / 3	876	26.0	A / B	446	21.8	B / C
T275	San Leandro Street - EB	Fruitvale Avenue	Oakland//SL border	Oak	4.33	N	3 / 3	878	23.2	B / C	430	22.0	B / C
T276	San Pablo Avenue	16th Street	I-580	Oak	1.70	N	2 / 3	216	17.6	D / D	175	19.7	C / C
T277	Santa Clara Avenue	Webster Street	Broadway	Ala	2.28	N	2 / 3	509	18.5	C / C	220	19.3	C / C
T278	Seminary Avenue - EB	MacArthur Boulevard	I-580	Oak	0.67	N	3 / 3	884	21.3	B / C	801	22.3	B / C
T279	Shattuck Avenue	Marin Avenue	University Avenue	Berk	1.27	N	2 / 3	855	18.2	C / C	640	19.1	C / C
T280	Solano Avenue	San Pablo Boulevard	Sutter Street	Alb	1.47	N	2 / 3	744	14.4	D / D	617	15.6	D / D
T281	Stevenson Boulevard - NB	Cherry Street	Mission Boulevard	Fre	4.02	S	3 / 3	947	24.9	B / B	825	25.1	A / B
T282	Stoneridge Dr-Jack London Blvd - WB	Hopyard Rd	Foothill Road	Plea	1.52	E	1 / 1	888	30.6	B / C	864	24.7	C / D
T283	Telegraph Avenue - NB	Broadway	51st Street	Oak	2.25	N	3 / 3	817	14.1	C / D	575	13.6	C / E
T284	Tennyson Road - WB	Hesperian Boulevard	Industrial Boulevard	Hay	0.60	C	3 / 3	948	25.7	A / B	864	25.5	A / B
T285	Tesla Road - WB	Livermore Avenue	County Line (EB)	Uninc	11.93	E	1 / 2	886	37.1	A / A	na	na	- / -
T286	Thornton Avenue - EB	SR-84	I-880	New	3.73	S	3 / 3	948	26.5	A / B	864	26.1	A / B
T287	Tilden Way	Park Street	Fruitvale Avenue	Ala	0.43	C	2 / 3	943	16.4	D / D	454	17.6	D / D
T288	UC Blvd-Ardenwood-Newark Blvd	Alvarado Blvd	SR 84	Uni City	3.57	S	1 / 2	946	32.6	B / B	126	31.9	B / B
T289	Vallecitos Road - NB	Sr-84	1st St	Liv	3.32	E	2 / 2	885	35.3	A / A	609	32.8	A / B
T290	Vasco Road - SB	I-580	Tesla Road	Liv	4.05	E	2 / 2	887	34.5	A / B	836	33.0	A / B
T291	Village Parkway - NB	Dublin Boulevard	County Line	Dub	1.50	E	2 / 2	888	25.1	B / C	854	25.4	B / C
T292	W Las Positas Blvd - EB	Owens Drive	Santa Rita Road	Plea	0.22	E	2 / 2	888	18.8	C / D	864	19.3	C / D
T293	Walnut Avenue	Mission Boulevard	Fremont Boulevard	Fre	1.83	S	1 / 2	948	23.9	C / C	812	24.3	C / C



Appendix C | 2024 Level of Service Results

Table C-10. 2024 LOS Monitoring Results for Arterials (Tier 2), PM Peak Period

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	Class 1985/2000	2022 Results			2024 Results		
		From	To					Sample	Speed	LOS 85/00	Sample	Speed	LOS 85/00
T294	Warren Avenue	Fremont Blvd	Warm Springs Blvd	Fre	1.04	S	1 / 2	948	20.1	D / D	864	20.4	D / D
T295	Washington Avenue - NB	Lewelling Blvd	Juana Avenue	San L	2.72	C	3 / 3	913	19.9	B / C	402	20.0	B / C
T296	Washington Boulevard - WB	Mission Boulevard	Fremont Boulevard	Fre	2.20	S	3 / 3	944	28.2	A / B	858	27.3	A / B
T297	Whipple Road	Mission Boulevard	Union City Boulevard	Uni City	3.43	S	1 / 2	881	23.1	C / C	701	23.9	C / C
T298	Wicks Blvd-Merced Street - SB	Marina Boulevard	Lewelling Blvd	San L	2.19	C	3 / 3	941	25.8	A / B	792	26.9	A / B
T299	Winton Avenue - WB	Hesperian Boulevard	Clawiter Road	Hay	0.54	C	3 / 3	948	28.4	A / B	864	28.0	A / B
T300	14th Avenue - WB	Foothill Boulevard	E 8th Street	Oak	0.26	N	3 / 3	882	10.1	D / E	828	13.7	C / E
T301	14th Street-Lake Merritt Blvd - EB	Brush Street	12th Street	Oak	1.13	N	3 / 3	840	13.0	D / E	696	13.8	C / E
T302	20th Street	San Pablo Avenue	Harrison Street	Oak	0.51	N	2 / 3	876	12.1	E / E	623	12.9	E / E
T303	23rd Avenue - SB	E 11th	23rd Ave NB/SB Split	Oak	0.15	N	3 / 3	888	23.4	B / C	831	23.2	B / C
T304	23rd Avenue - NB	23rd Ave NB/SB Split	E 12 St	Oak	0.14	N	3 / 3	888	19.9	B / C	800	19.4	B / C
T305	29th Avenue	International/E 14th	Ford St	Oak	0.52	C	2 / 3	81	13.0	E / E	841	13.2	E / E
T306	40th Street-Shellmound Avenue - EB	Powell Boulevard	Broadway	Oak	1.31	N	3 / 3	948	17.8	C / D	705	18.1	C / C
T307	42nd Avenue-Courtland	High Street	International Blvd	Oak	0.37	C	2 / 3	778	19.9	C / C	34	18.7	C / C
T308	52nd Street - EB	Shattuck Avenue	Telegraph Avenue	Oak	0.11	N	3 / 3	888	12.2	D / E	864	14.5	C / D
T309	55th Street	Market Street	Shattuck Avenue	Oak	0.52	N	2 / 3	888	15.9	D / D	854	17.1	D / D
T310	5th Street	Adeline Street	Oak Street	Oak	1.32	N	2 / 3	888	19.5	C / C	85	14.9	D / D
T312	73rd Avenue	I-580	MacArthur Blvd	Oak	0.79	C	2 / 3	867	17.4	D / D	365	19.6	C / C
T313	7th Street-E 8th Street - EB	I-880	14th Avenue	Oak	3.43	N	3 / 3	838	17.7	C / D	715	18.7	C / C
T314	98th Avenue - WB	I-580	Airport Access Road	Oak	3.25	N	3 / 3	888	19.7	B / C	801	20.5	B / C
T315	Airport Access Road - SB	Hegenberger Road	Dollittle Drive	Oak	0.32	N	3 / 3	316	14.1	C / D	75	13.8	C / E
T316	Altamont Pass Road-Grant Line - WB	County Line (WB)	Greenville Road	Uninc	9.71	E	1 / 2	323	47.5	A / A	50	40.4	A / A
T317	Altamont Pass Road-Grant Line	Greenville Road	Laughlin Rd	Uninc	0.49	E	1 / 2	877	32.8	B / B	721	31.0	B / B
T318	AltamontPass-Grant Line	Laughlin Rd	Vasco Road	Liv	0.90	E	1 / 2	880	34.6	B / B	721	33.1	B / B
T319	Alvarado-Niles/Smith/NilesBlvd - WB	Mission Boulevard	Union City Boulevard	Uni City	6.89	S	3 / 3	778	24.2	B / B	679	24.5	B / B
T320	Auto Mall Parkway - WB	I-880	Cherry Street	Fre	0.75	S	3 / 3	948	19.4	B / C	864	19.0	C / C



Appendix C | 2024 Level of Service Results

Table C-10. 2024 LOS Monitoring Results for Arterials (Tier 2), PM Peak Period

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	Class 1985/2000	2022 Results			2024 Results		
		From	To					Sample	Speed	LOS 85/00	Sample	Speed	LOS 85/00
T321	B Street	Mission Boulevard	Foothill Boulevard	Hay	0.20	S	2 / 3	940	10.6	E / E	838	11.3	E / E
T322	Bernal Avenue - WB	Sunol Blvd/First St	I-680	Plea	1.37	E	1 / 1	888	27.1	C / C	864	27.2	C / C
T323	Broadway - SB	SR-24	College Ave	Oak	0.94	N	3 / 3	888	23.1	B / C	556	22.7	B / C
T324	Broadway	Tilden Way	Encinal Avenue	Ala	0.55	C	2 / 3	948	14.5	D / D	850	16.0	D / D
T325	Buchanan Street-Marin Avenue - WB	Arlington/Del Nort	I-80	Alb	2.12	N	3 / 3	888	16.2	C / D	427	17.5	C / D
T326	C Street	Mission Boulevard	Foothill Boulevard	Hay	0.19	S	2 / 3	948	11.9	E / E	851	13.5	E / E
T327	Carlos Bee Blvd-Hayward Blvd	Mission Boulevard	Campus Drive	Hay	0.93	S	1 / 2	943	32.3	B / B	842	32.6	B / B
T328	Castro Valley Boulevard-Mattox - WB	Crow Canyon Road	Mission Boulevard	Uninc	2.70	C	3 / 3	865	18.0	C / D	337	19.2	B / C
T329	Central Avenue - SB	I-880	Cherry Street	New	0.85	S	3 / 3	942	30.0	A / B	839	25.7	A / B
T330	Cherry-Boyce-Cushing	Thornton Avenue	I-880	New	5.67	S	1 / 2	948	34.7	B / B	830	31.8	B / B
T331	Claremont Avenue	Ashby Avenue	Telegraph Avenue	Oak	1.68	N	2 / 3	883	20.7	C / C	810	21.1	C / C
T332	Clawiter Road - NB	Winton Avenue	SR-92	Hay	1.75	C	3 / 3	948	19.8	B / C	828	20.8	B / C
T333	Constitution Way-8th Street	Webster Street	Central Avenue	Ala	0.95	C	2 / 3	948	14.6	D / D	857	15.3	D / D
T334	Dublin Boulevard	Tassajara Road	Fallon Road	Dub	1.24	E	1 / 2	888	28.3	B / B	864	26.7	C / C
T335	Durant Avenue	College Avenue	Shattuck Avenue	Berk	0.73	N	2 / 3	888	14.3	D / D	na	na	- / -
T336	Dyer Street - NB	Alvarado Boulevard	Whipple Road	Uni City	1.15	S	3 / 3	888	19.1	B / C	847	19.6	B / C
T337	E 12th Street	Lake Merritt Blvd	High Street	Oak	3.00	N	2 / 3	883	30.6	A / A	185	19.0	C / C
T338	E 18th Street - WB	Park Boulevard	Lakeshore Avenue	Oak	0.22	N	3 / 3	817	12.3	D / E	542	12.7	D / E
T339	East Avenue - WB	Vasco Road	Livermore Avenue	Liv	2.53	E	2 / 2	883	27.5	B / C	851	25.1	B / C
T340	El Charro Road - SB	I-580	Stoneridge Drive	Plea	0.26	E	2 / 2	880	27.2	B / C	864	21.5	C / D
T341	Estudillo Avenue - WB	MacArthur Boulevard	E 14th St	San L	0.98	C	3 / 3	862	21.3	B / C	524	22.5	B / C
T342	Fallon Road	Tassajara Road	I-580	Dub	2.85	E	1 / 2	888	31.9	B / B	864	31.1	B / B
T343	Fernside Boulevard	High Street	Otis-Dollittle Drive	Ala	1.15	C	2 / 3	941	20.6	C / C	848	20.4	C / C
T344	First Street - WB	Stoneridge Drive	I-580	Liv	0.88	E	2 / 2	588	14.0	D / E	72	15.2	D / E
T345	Foothill Road - SB	I-580	Stoneridge Drive	Plea	0.74	E	2 / 2	888	28.1	B / B	864	27.3	B / C
T346	Fremont Boulevard	County Line	I-880	Fre	3.01	S	1 / 2	940	41.7	A / A	864	30.8	B / B
T347	Fruitvale Avenue - SB	MacArthur Boulevard	Tilden Way	Oak	2.37	N	3 / 3	900	13.8	C / E	517	14.2	C / D



Appendix C | 2024 Level of Service Results

Table C-10. 2024 LOS Monitoring Results for Arterials (Tier 2), PM Peak Period

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	Class 1985/2000	2022 Results			2024 Results		
		From	To					Sample	Speed	LOS 85/00	Sample	Speed	LOS 85/00
T348	Gilman Street - WB	San Pablo Boulevard	I-80	Berk	0.63	N	3 / 3	888	15.2	C / D	854	15.4	C / D
T349	Gimmer Boulevard - NB	Mission Boulevard	Paseo Padre Parkway	Fre	5.08	S	3 / 3	779	26.9	A / B	777	26.5	A / B
T350	Harrison St-Oakland Ave - SB	MacArthur Blvd	20th Street	Oak	0.99	N	3 / 3	874	17.2	C / D	725	17.7	C / D
T351	High Street - WB	MacArthur Blvd	I-580	Oak	0.05	N	3 / 3	888	13.5	C / E	845	14.9	C / D
T352	Industrial Blvd-Pkwy West - WB	Mission Boulevard	Clawiter Road	Hay	5.16	C	3 / 3	941	26.8	A / B	608	26.0	A / B
T353	Industrial Pkwy Southwest	Whipple Road	Industrial Pkwy West	Hay	0.89	S	1 / 2	948	29.4	B / B	530	26.6	C / C
T354	Isabel Avenue	Airway Boulevard	Portola Avenue	Liv	0.85	E	1 / 2	888	37.0	A / A	859	33.2	B / B
T355	Lewelling Boulevard - WB	Mission Boulevard	Hespedian Boulevard	Uninc	1.42	C	3 / 3	943	20.8	B / C	160	21.1	B / C
T356	Lewelling Boulevard - EB	Wicks Boulevard	Hespedian Boulevard	San L	1.53	C	3 / 3	948	23.6	B / C	838	24.7	B / B
T357	Livermore Avenue - SB	I-580	Tesla Road	Liv	3.29	E	2 / 2	830	24.1	B / C	487	24.9	B / C
T358	MacArthur-Santa Clara - EB	San Pablo Avenue	Piedmont Ave	Oak	1.56	N	3 / 3	336	19.6	B / C	267	20.4	B / C
T359	Main St-Santa Rita Rd - SB	Stoneridge Drive	Bernal Avenue	Plea	3.10	E	2 / 2	888	21.5	C / D	855	21.1	C / D
T360	Marina Boulevard - EB	Dollittle Drive	Washington Avenue	San L	1.80	C	3 / 3	875	19.1	B / C	731	20.1	B / C
T361	Market Street - SB	Stanford Avenue	55th Street	Oak	0.36	N	3 / 3	888	15.7	C / D	852	15.2	C / D
T362	Martin Luther King Jr Way - SB	Marin Avenue	Adeline Street	Berk	2.67	N	3 / 3	863	16.3	C / D	693	17.3	C / D
T363	Martin Luther King Jr Way - SB	47th Street	San Pablo Avenue	Oak	1.78	N	3 / 3	524	21.2	B / C	357	20.5	B / C
T364	Mission Boulevard - NB	I-680	I-680	Fre	3.01	S	3 / 3	876	31.5	A / A	864	19.4	B / C
T365	Mowry Avenue	Cherry Street	I-880	New	0.78	S	1 / 2	876	22.4	C / C	864	22.0	D / D
T366	Neal Street	1st Street	Main St	Plea	0.13	E	1 / 2	880	11.3	F / F	666	11.1	F / F
T367	North Canyons Parkway-Portola	1st Street	Airway Boulevard	Liv	4.20	E	1 / 2	886	32.9	B / B	583	31.6	B / B
T368	Osgood Road-WarmSpringsBlvd	Fremont/Washington	County Line	Fre	5.48	S	1 / 2	876	30.4	B / B	864	30.6	B / B
T369	Otis Drive	Broadway	Park Street	Ala	0.24	N	2 / 3	876	12.3	E / E	847	16.5	D / D
T370	Owens Drive - WB	W Las Positas Blvd	Willow Road	Plea	1.10	E	2 / 2	888	28.6	B / B	864	28.1	B / B
T371	Park Boulevard - WB	SR-13	E 18th Street	Oak	3.12	N	3 / 3	736	23.8	B / C	289	24.0	B / C
T372	Park Street - SB	Encinal Avenue	Otis Drive	Ala	0.42	N	3 / 3	876	16.1	C / D	864	16.3	C / D
T373	Paseo Padre Parkway - EB	Peralta Boulevard	Grimmer Boulevard	Fre	2.30	S	3 / 3	876	24.4	B / B	864	25.5	A / B
T374	Paseo Padre Parkway - WB	SR-84	Ardenwood Boulevard	Fre	1.50	S	3 / 3	868	40.8	A / A	783	40.5	A / A



Appendix C | 2024 Level of Service Results

Table C-10. 2024 LOS Monitoring Results for Arterials (Tier 2), PM Peak Period

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	Class 1985/2000	2022 Results			2024 Results		
		From	To					Sample	Speed	LOS 85/00	Sample	Speed	LOS 85/00
T375	Patterson Pass Road - WB	County Line	Vasco Road	Liv	10.11	E	1 / 2	9	34.3	B / B	na	na	- / -
T376	Redwood Road - SB	Castro Valley Boul	I-580	Uninc	0.38	C	3 / 3	876	16.4	C / D	864	14.3	C / D
T377	San Leandro Blvd - NB	E 14th Street	San Leandro/Oakland	San L	2.18	C-N	3 / 3	662	27.2	A / B	409	22.3	B / C
T378	San Leandro Street - WB	Oakland//SL border	Fruitvale Avenue	Oak	4.33	N	3 / 3	446	23.7	B / C	375	22.0	B / C
T379	San Pablo Avenue - SB	I-580	16th Street	Oak	1.70	N	3 / 3	784	17.5	C / D	5	18.1	C / C
T380	Santa Clara Avenue	Broadway	Webster Street	Ala	2.28	N	2 / 3	805	18.9	C / C	664	19.0	C / C
T381	Seminary Avenue - WB	I-580	MacArthur Boulevard	Oak	0.67	N	3 / 3	672	25.9	A / B	805	24.9	B / B
T382	Shattuck Avenue	University Avenue	Marin Avenue	Berk	1.18	N	2 / 3	887	17.1	D / D	780	18.0	D / D
T383	Solano Avenue	San Pablo Boulevard	Sutter Street	Alb	1.47	N	2 / 3	825	13.9	E / E	617	15.6	D / D
T384	Stevenson Boulevard - SB	Mission Boulevard	Cherry Street	Fre	4.02	S	3 / 3	876	26.3	A / B	619	26.8	A / B
T385	Stoneridge Dr-Jack London Blvd	Isabel Avenue	Santa Rita Rd	Liv	2.50	E	1 / 2	888	35.4	A / A	799	36.2	A / A
T386	Telegraph Avenue - SB	51st Street	Broadway	Oak	2.25	N	3 / 3	814	14.1	C / D	445	13.8	C / E
T387	Tennyson Road - EB	Industrial Boulevard	Hespedian Boulevard	Hay	0.60	C	3 / 3	876	25.7	A / B	864	26.4	A / B
T388	Tesla Road - WB	County Line	Livermore Avenue	Uninc	11.93	E	1 / 2	78	37.9	A / A	na	na	- / -
T389	Thornton Avenue - WB	I-880	SR-84	New	3.73	S	3 / 3	876	28.6	A / B	841	27.4	A / B
T390	Tilden Way	Fruitvale Avenue	Park Street	Ala	0.43	C	2 / 3	871	16.5	D / D	847	17.5	D / D
T391	UC Blvd-Ardenwood-Newark Blvd - WB	Central Avenue	SR 84	New	2.15	S	3 / 3	876	22.7	B / C	833	24.0	B / C
T392	Vallecitos Road - SB	1st St	SR-84	Liv	3.32	E	2 / 2	43	32.5	A / B	11	31.5	A / B
T393	Vasco Road - NB	Tesla Road	I-580	Liv	3.11	E	2 / 2	888	33.2	A / B	847	31.7	A / B
T394	Village Parkway - SB	County Line	Dublin Boulevard	Dub	1.50	E	2 / 2	888	23.1	C / C	845	24.3	B / C
T395	W Las Positas Blvd - WB	Santa Rita Road	Owens Drive	Plea	0.22	E	2 / 2	888	20.8	C / D	687	21.5	C / D
T396	Walnut Avenue	Fremont Boulevard	Mission Boulevard	Fre	1.83	S	1 / 2	876	24.0	C / C	710	23.6	C / C
T397	Warren Avenue	Warm Springs Blvd	Fremont Blvd	Fre	1.04	S	1 / 2	876	22.2	C / C	864	23.3	C / C
T398	Washington Avenue - SB	Juana Avenue	Lewelling Blvd	San L	2.72	C	3 / 3	876	19.6	B / C	800	19.8	B / C
T399	Washington Boulevard - EB	Fremont Boulevard	Mission Boulevard	Fre	2.20	S	3 / 3	876	27.7	A / B	208	24.4	B / B
T400	Whipple Road	Union City Boulevard	Mission Boulevard	Uni City	3.43	S	1 / 2	888	20.6	D / D	783	21.9	D / D
T401	Wicks Blvd-Merced Street - NB	Lewelling Blvd	Marina Boulevard	San L	2.19	C	3 / 3	876	24.9	B / B	2	26.3	A / B



Appendix C | 2024 Level of Service Results

Table C-10. 2024 LOS Monitoring Results for Arterials (Tier 2), PM Peak Period

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	Class 1985/2000	2022 Results			2024 Results		
		From	To					Sample	Speed	LOS 85/00	Sample	Speed	LOS 85/00
T402	Winton Avenue - EB	Clawiter Road	Hespedian Boulevard	Hay	0.54	C	3 / 3	876	17.5	C / D	864	15.4	C / D
T403	Stoneridge Dr-Jack London Blvd - WB	Santa Rita Road	Hopyard Rd	Plea	1.56	E	2 / 2	888	25.9	B / C	864	27.3	B / C
T404	Stoneridge Dr-Jack London Blvd	Santa Rita Rd	Isabel Avenue	Liv	4.34	E	1 / 2	888	35.1	A / A	856	33.0	B / B
T405	Stoneridge Dr-Jack London Blvd - EB	Hopyard Rd	Santa Rita Road	Plea	1.56	E	2 / 2	888	29.8	B / B	856	27.8	B / C
T406	Stoneridge Dr-Jack London Blvd - EB	Foothill Boulevard	Hopyard Rd	Plea	1.52	E	1 / 1	888	29.3	B / C	864	25.2	C / D
T407	UC Blvd-Ardenwood-Newark Blvd - EB	SR 84	Central Ave	New	2.15	S	3 / 3	876	23.8	B / C	470	24.0	B / B
T408	UC Blvd-Ardenwood-Newark Blvd	SR 84	Alvarado Blvd	Uni City	3.57	S	1 / 2	876	28.9	B / B	864	27.4	C / C
T409	SantaClara - NB	I-580	Okland Avenue	Oak	0.82	N	3 / 3	318	20.5	B / C	72	19.5	B / C
T410	MacArthur-SantaClara - WB	Seminary Ave	Grand Ave	Oak	4.79	N	3 / 3	244	20.9	C / C	5	20.0	C / C
T411	MacArthur-SantaClara	Grand Ave	Piedmont Ave	Oak	0.74	N	2 / 3	380	19.2	C / C	72	19.9	C / C
T412	MacArthur-SantaClara - WB	Piedmont Ave	San Pablo Avenue	Oak	1.56	N	3 / 3	160	20.0	B / C	52	20.6	B / C
T413	MacArthur-SantaClara	Piedmont Avenue	Grand Ave	Oak	1.08	N	2 / 3	888	18.5	C / C	591	18.4	C / C
T414	MacArthur-SantaClara - EB	Grand Ave	Seminary Ave	Oak	4.77	N	3 / 3	167	18.1	C / C	48	19.0	B / C
T415	MacArthur-SantaClara - SB	Seminary Ave	Estudillo Ave	Oak	0.32	N-C	3 / 3	624	21.7	B / C	139	23.3	B / C
T416	El Charro Road - SB	Stoneridge Drive	Bauch Rd	Plea	0.09	E	2 / 2	888	22.3	C / C	864	18.4	C / D
T417	El Charro Road - NB	Bauch Rd	Stoneridge Drive	Plea	0.09	E	2 / 2	880	24.9	B / C	864	20.6	C / D



Appendix C | 2024 Level of Service Results

Table C-11. 2024 LOS Monitoring Results for Arterials (Tier 2), AM Peak Period

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	Class 1985/2000	2022 Results			2024 Results		
		From	To					Sample	Speed	LOS 85/00	Sample	Speed	LOS 85/00
T1	W.Grand Ave - Grand Ave -EB	I-80/Maritime St	San Pablo Ave	Oak	1.63	N	2 / 3	888	23.7	C / C	817	22.4	C / C
T2	W.Grand Ave - Grand Ave -EB	San Pablo Ave	Broadway	Oak	0.40	N	3 / 4	888	14.6	C / C	817	14.1	C / C
T3	W.Grand Ave - Grand Ave -EB	Broadway	I-580	Oak	1.08	N	3 / 4	747	17.4	C / C	558	18.0	C / C
T4	W.Grand Ave - Grand Ave -WB	I-580	Broadway	Oak	1.08	N	3 / 4	867	17.7	C / C	824	19.1	B / B
T5	W.Grand Ave - Grand Ave -WB	Broadway	San Pablo Ave	Oak	0.40	N	3 / 4	888	14.2	C / C	864	15.6	C / C
T6	W.Grand Ave - Grand Ave -WB	San Pablo Ave	I-80/Maritime St	Oak	1.63	N	2 / 3	54	20.6	C / C	36	25.2	B / B
T7	11th St - Lake Merritt Blvd - Lakeshore Ave-EB	I-980 ON Ramp/Brush St	Webster	Oak	0.60	N	3 / 4	886	13.6	C / C	852	14.4	C / C
T8	11th St - Lake Merritt Blvd - Lakeshore Ave-EB	Webster	East side of Lake Merritt Channel	Oak	0.66	N	3 / 4	83	15.2	C / C	354	16.0	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	3 / 4	654	18.7	C / C	420	19.9	B / B
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	3 / 4	785	19.3	B / B	680	20.5	B / B
T11	12th St - Lake Merritt Blvd - Lakeshore Ave-WB	East side of Lake Merritt Channel	Webster	Oak	0.64	N	3 / 4	888	13.9	C / C	836	15.9	C / C
T12	12th St - Lake Merritt Blvd - Lakeshore Ave-WB	Webster	I-980 OFF Ramp/Brush St	Oak	0.60	N	3 / 4	888	12.0	D / D	844	14.5	C / C
T13	Telegraph Ave-NB	51st Street	Russell St	Oak	1.41	N	3 / 4	875	20.3	B / B	778	18.6	C / C
T14	Telegraph Ave-NB	Russell St	Bancroft Way	Berk	0.77	N	3 / 4	881	18.3	C / C	761	16.9	C / C
T15	Dana-Dwight-Telegraph-SB	Bancroft Way	Russell St	Berk	0.90	N	3 / 4	641	20.7	B / B	503	19.0	B / B
T16	Telegraph Ave-SB	Russell St	51st Street	Oak	1.41	N	3 / 4	701	20.0	B / B	492	19.5	B / B
T17	Broadway-SB	Broadway/College Ave	Grand Ave	Oak	1.91	N	2 / 3	888	17.2	D / D	825	17.1	D / D
T18	Broadway-SB	Grand Ave	14th St	Oak	0.55	N	3 / 4	888	12.3	D / D	774	11.2	D / D
T19	Broadway-SB	14th St	5th St/Broadway	Oak	0.48	N	3 / 4	888	13.7	C / C	774	11.2	D / D
T20	Broadway (Connection to I-880)-SB	5th St/Broadway	I-880 ON Ramp	Oak	0.21	N	1 / 1	830	34.6	B / B	719	33.6	B / C
T21	Broadway (Connection to I-880)-NB	I-880 OFF Ramp	5th St/Broadway	Oak	1.26	N	1 / 2	881	19.1	D / D	789	19.4	D / D
T22	Broadway-NB	5th St/Broadway	14th St	Oak	0.48	N	3 / 4	888	11.9	D / D	634	12.3	D / D
T23	Broadway-NB	14th St	Grand Ave	Oak	0.55	N	3 / 4	888	13.9	C / C	805	13.5	C / C
T24	Broadway-NB	Grand Ave	Broadway/College Ave	Oak	1.91	N	2 / 3	885	17.2	D / D	805	18.3	C / C
T25	Durant-EB	Shattuck	College Ave.	Berk	0.73	N	3 / 4	856	17.7	C / C	254	18.2	C / C



Appendix C | 2024 Level of Service Results

Table C-11. 2024 LOS Monitoring Results for Arterials (Tier 2), AM Peak Period

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	Class 1985/2000	2022 Results			2024 Results		
		From	To					Sample	Speed	LOS 85/00	Sample	Speed	LOS 85/00
T26	College Avenue-SB	Bancroft Way/College Ave	Ashby Ave	Berk	0.85	N	3 / 4	425	15.1	C / C	383	15.3	C / C
T27	College Avenue-SB	Ashby Ave	Miles Ave/SR 24 OFF Ramp	Oak	0.83	N	3 / 4	525	17.0	C / C	351	17.2	C / C
T28	College Avenue-SB	Miles Ave/SR 24 OFF Ramp	Broadway/College Ave	Oak	0.61	N	3 / 4	406	17.6	C / C	308	16.7	C / C
T29	College Avenue-NB	Broadway/College Ave	Miles Ave/SR 24 OFF Ramp	Oak	0.61	N	3 / 4	651	17.0	C / C	525	18.0	C / C
T30	College Avenue-NB	Miles Ave/SR 24 OFF Ramp	Ashby Ave	Oak	0.83	N	3 / 4	696	15.6	C / C	603	16.0	C / C
T31	College Avenue-NB	Ashby Ave	Bancroft Way/College Ave	Berk	0.85	N	3 / 4	746	14.9	C / C	478	14.8	C / C
T32	Bancroft-WB	College Ave.	Shattuck	Berk	0.73	N	3 / 4	716	15.5	C / C	403	14.6	C / C
T33	51st Street-EB	SR 24 Off Ramp/52nd St	Broadway	Oak	0.75	N	3 / 4	870	19.9	B / B	673	20.3	B / B
T34	51st Street-WB	Broadway	SR 24 Off Ramp/52nd St	Oak	0.75	N	3 / 4	759	20.6	B / B	511	20.3	B / B
T35	Shattuck Avenue-NB	51st	Alcatraz Ave.	Oak	0.81	N	3 / 4	875	20.1	B / B	753	20.2	B / B
T36	Shattuck Avenue-NB	Alcatraz Ave.	Adeline St.	Oak	0.70	N	3 / 4	883	17.4	C / C	823	17.7	C / C
T37	Shattuck Avenue-SB	Adeline St.	Alcatraz Ave.	Oak	0.70	N	3 / 4	885	18.4	C / C	751	18.8	C / C
T38	Shattuck Avenue-SB	Alcatraz Ave.	51st	Oak	0.81	N	3 / 4	888	20.8	B / B	800	21.4	B / B
T39	Powell Street-Stanford Avenue-EB	NB I-80 OFF Ramp	San Pablo Ave	Emery	0.75	N	2 / 3	568	19.8	C / C	300	19.1	C / C
T40	Powell Street-Stanford Avenue-EB	San Pablo Ave	MLK Jr Way	Oak	0.76	N	2 / 3	678	24.6	B / B	442	22.9	C / C
T41	Powell Street-Stanford Avenue-WB	MLK Jr Way	San Pablo Ave	Oak	0.76	N	2 / 3	617	24.1	B / B	347	25.9	B / B
T42	Powell Street-Stanford Avenue-WB	San Pablo Ave	NB I-80 OFF Ramp	Emery	0.75	N	2 / 3	745	18.5	C / C	609	19.9	C / C
T43	40thStreet-Shellmound Avenue-EB	Shellmound Way (north of Powell St)	40th St	Emery	0.73	N	2 / 3	756	27.3	B / B	548	24.2	B / B
T44	40thStreet-Shellmound Avenue-EB	40th St	San Pablo Ave	Emery	0.68	N	3 / 4	756	18.9	C / C	520	19.2	B / B
T45	40thStreet-Shellmound Avenue-WB	San Pablo Ave	40th St	Emery	0.68	N	3 / 4	672	17.8	C / C	524	21.9	B / B
T46	40thStreet-Shellmound Avenue-WB	40th St	Shellmound Way (north of Powell St)	Emery	0.73	N	2 / 3	762	24.2	B / B	524	27.4	B / B
T47	International Boulevard-NB	42nd Ave	Fruitvale Ave	Oak	0.62	N	3 / 4	871	14.8	C / C	715	12.5	D / D



Appendix C | 2024 Level of Service Results

Table C-11. 2024 LOS Monitoring Results for Arterials (Tier 2), AM Peak Period

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	Class 1985/2000	2022 Results			2024 Results		
		From	To					Sample	Speed	LOS 85/00	Sample	Speed	LOS 85/00
T48	International Boulevard-NB	Fruitvale Ave	14th Ave	Oak	1.38	N	3 / 4	796	17.7	C / C	604	16.1	C / C
T49	International Boulevard-NB	14th Ave	Lake Merritt Blvd	Oak	0.88	N	3 / 4	846	18.1	C / C	796	17.5	C / C
T50	International Boulevard-SB	Lake Merritt Blvd	14th Ave	Oak	0.88	N	3 / 4	801	19.3	B / B	673	18.2	C / C
T51	International Boulevard-SB	14th Ave	Fruitvale Ave	Oak	1.38	N	3 / 4	771	17.8	C / C	673	16.8	C / C
T52	International Boulevard-SB	Fruitvale Ave	42nd Ave	Oak	0.62	N	3 / 4	879	15.3	C / C	770	14.5	C / C
T53	73d Ave-NB	International Blvd/73rd Ave	73rd Ave/Foothill Blvd	Oak	1.07	N	2 / 3	880	24.2	B / B	629	22.7	C / C
T54	Foothill Boulevard-NB	73rd Ave/Foothill Blvd	Seminary Ave	Oak	1.02	N	3 / 4	522	19.7	B / B	108	15.8	C / C
T55	Foothill Boulevard-NB	Seminary Ave	High Street	Oak	1.22	N	3 / 4	787	18.2	C / C	406	18.3	C / C
T56	Foothill Boulevard-NB	High Street	Fruitvale Ave	Oak	0.90	N	3 / 4	623	13.3	C / C	134	12.0	D / D
T57	Foothill Boulevard-NB	Fruitvale Ave	14th Ave	Oak	1.32	N	2 / 3	496	18.8	C / C	143	18.9	C / C
T58	Foothill Boulevard-NB	14th Ave	1st Ave/Lake Shore Blvd	Oak	0.88	N	3 / 4	709	16.6	C / C	444	16.7	C / C
T60	Foothill Boulevard-SB	14th Ave	Fruitvale Ave	Oak	1.32	N	2 / 3	536	17.3	D / D	26	17.1	D / D
T61	Foothill Boulevard-SB	Fruitvale Ave	High Street	Oak	0.90	N	3 / 4	524	12.8	D / D	223	14.1	C / C
T62	Foothill Boulevard-SB	High Street	Seminary Ave	Oak	1.22	N	3 / 4	663	18.6	C / C	359	19.6	B / B
T63	Foothill Boulevard-SB	Seminary Ave	73rd Ave/Foothill Blvd	Oak	1.02	N	3 / 4	489	19.5	B / B	217	19.2	B / B
T64	73d Ave-SB	73rd Ave/Foothill Blvd	International Blvd/73rd Ave	Oak	1.07	N	2 / 3	883	24.0	B / B	633	23.9	C / C
T65	E. 15th Street-SB/14th Avenue	1st Avenue	Foothill Blvd/14th Avenue	Oak	0.98	N	3 / 4	-	-	- / -	529	17.0	C / C
T66	High Street-EB	Otis Drive	Central Ave	Ala	0.58	N	3 / 4	926	18.2	C / C	707	18.7	C / C
T67	High Street-EB	Central Ave	Fernside Blvd	Ala	0.48	N	3 / 4	926	19.4	B / B	707	19.9	B / B
T68	High Street-EB	Fernside Blvd	NB I-880 OFF Ramp	Oak	0.50	N	2 / 3	835	15.8	D / D	553	15.9	D / D
T69	High Street-EB	NB I-880 OFF Ramp	Foothill Blvd	Oak	0.61	N	3 / 4	882	14.2	C / C	851	15.4	C / C
T70	High Street-EB	Foothill Blvd	MacArthur Blvd/WB I-580 OFF Ramp	Oak	1.29	N	3 / 4	882	18.2	C / C	839	17.8	C / C
T71	High Street-WB	MacArthur Blvd/WB I-580 OFF Ramp	Foothill Blvd	Oak	1.29	N	3 / 4	815	20.1	B / B	719	19.6	B / B
T72	High Street-WB	Foothill Blvd	NB I-880 OFF Ramp	Oak	0.61	N	3 / 4	888	13.8	C / C	863	14.6	C / C
T73	High Street-WB	NB I-880 OFF Ramp	Fernside Blvd	Oak	0.50	N	2 / 3	888	19.3	C / C	789	19.7	C / C
T74	High Street-WB	Fernside Blvd	Central Ave	Ala	0.48	N	3 / 4	866	20.6	B / B	668	20.2	B / B



Appendix C | 2024 Level of Service Results

Table C-11. 2024 LOS Monitoring Results for Arterials (Tier 2), AM Peak Period

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	Class 1985/2000	2022 Results			2024 Results		
		From	To					Sample	Speed	LOS 85/00	Sample	Speed	LOS 85/00
T75	High Street-WB	Central Ave	Otis Drive	Ala	0.58	N	3 / 4	395	16.5	C / C	412	17.1	C / C
T76	Crow Canyon Road/Grove Way-NB	A Street/Redwood Road	EB I-580 ON Ramp/Grove Way	Uninc	0.95	C	2 / 3	914	27.6	B / B	591	26.5	B / B
T77	Crow Canyon Road/Grove Way-NB	EB I-580 ON Ramp/Grove Way	Cull Canyon	Uninc	0.81	C	1 / 2	824	23.2	C / C	826	26.3	C / C
T78	Crow Canyon Road-NB	Cull Canyon	Cold Water Dr	Uninc	0.88	C	1 / 2	880	30.4	B / B	830	33.7	B / B
T79	Crow Canyon Road-NB	Cold Water Dr	0.43 miles north of Norris Canyon Rd	Uninc	2.41	C	1 / 2	878	44.0	A / A	826	41.3	A / A
T80	Crow Canyon Road-NB	0.43 miles north of Norris Canyon Rd	County Line	Uninc	2.97	C	1 / 1	877	42.6	A / A	812	38.1	A / B
T81	Crow Canyon Road-SB	County Line	0.43 miles north of Norris Canyon Rd	Uninc	2.97	C	1 / 1	888	44.2	A / A	598	40.2	A / B
T82	Crow Canyon Road-SB	0.43 miles north of Norris Canyon Rd	Cold Water Dr	Uninc	2.40	C	1 / 2	888	43.4	A / A	612	41.6	A / A
T83	Crow Canyon Road-SB	Cold Water Dr	Cull Canyon	Uninc	0.89	C	1 / 2	888	30.9	B / B	859	33.1	B / B
T84	Crow Canyon Road/Grove Way-SB	Cull Canyon	EB I-580 ON Ramp/Grove Way	Uninc	0.82	C	1 / 2	888	29.5	B / B	855	28.5	B / B
T85	Crow Canyon Road/Grove Way-SB	EB I-580 ON Ramp/Grove Way	A Street/Redwood Road	Uninc	0.94	C	2 / 3	960	26.8	B / B	814	25.1	B / B
T86	Winton Avenue - D Street-EB	Hesperian Blvd.	SB I-880 ON Ramp	Hay	0.39	C	2 / 3	960	21.5	C / C	864	18.2	C / C
T87	Winton Avenue - D Street-EB	SB I-880 ON Ramp	Santa Clara St	Hay	0.35	C	2 / 3	934	26.0	B / B	744	24.4	B / B
T88	Winton Avenue - D Street-EB	Santa Clara St	Soto Rd	Hay	0.55	C	2 / 3	927	24.9	B / B	753	22.9	C / C
T89	Winton Avenue - D Street-EB	Soto Rd	Foothill Boulevard/D St	Hay	0.92	C	2 / 3	758	19.7	C / C	692	19.7	C / C
T90	Winton Avenue - D Street-WB	Foothill Boulevard/D St	Soto Rd	Hay	0.92	C	2 / 3	960	21.2	C / C	858	20.7	C / C
T91	Winton Avenue - D Street-WB	Soto Rd	Santa Clara St	Hay	0.55	C	2 / 3	960	23.7	C / C	864	21.8	C / C
T92	Winton Avenue - D Street-WB	Santa Clara St	SB I-880 ON Ramp	Hay	0.35	C	2 / 3	960	32.7	A / A	864	28.4	B / B
T93	Winton Avenue - D Street-WB	SB I-880 ON Ramp	Hesperian Blvd.	Hay	0.39	C	2 / 3	960	18.5	C / C	864	18.0	D / D
T94	A Street-EB	Foothill Boulevard/A St	Redwood Rd/Grove Way	Uninc	0.80	C	2 / 3	951	24.3	B / B	803	24.0	B / B
T95	A Street-EB	Redwood Rd/Grove Way	EB I-580 ON Ramp/Grove Way	Uninc	0.42	C	2 / 3	951	23.6	C / C	814	23.3	C / C
T96	A Street-WB	EB I-580 ON Ramp/Grove Way	Redwood Rd/Grove Way	Uninc	0.42	C	2 / 3	960	21.9	C / C	864	21.0	C / C
T97	A Street-WB	Redwood Rd/Grove Way	Foothill Boulevard/A St	Uninc	0.80	C	2 / 3	960	18.2	C / C	864	16.9	D / D



Appendix C | 2024 Level of Service Results

Table C-11. 2024 LOS Monitoring Results for Arterials (Tier 2), AM Peak Period

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	Class 1985/2000	2022 Results			2024 Results		
		From	To					Sample	Speed	LOS 85/00	Sample	Speed	LOS 85/00
T98	Hesperian Boulevard-Union City Blvd-NB	Union City/Alvarado Blvd	Whipple Rd	Uni City	0.98	S	1 / 2	888	29.9	B / B	859	28.2	B / B
T99	Hesperian Boulevard-Union City Blvd-NB	Whipple Rd	Hesperian/Union City Blvd/overbridge	Uni City	0.30	S	1 / 2	888	31.0	B / B	864	29.2	B / B
T100	Hesperian Boulevard-Union City Blvd-NB	Hesperian/Union City Blvd/overbridge	Industrial Blvd	Hay	0.57	S	1 / 2	888	25.8	C / C	864	25.9	C / C
T101	Hesperian Boulevard-Union City Blvd-NB	Industrial Blvd	Tennyson/Hesperian	Hay	1.05	S	2 / 3	960	29.6	B / B	864	28.8	B / B
T102	Hesperian Boulevard-Union City Blvd-SB	Tennyson/Hesperian	Industrial Blvd	Hay	1.05	S	2 / 3	960	27.5	B / B	864	25.5	B / B
T103	Hesperian Boulevard-Union City Blvd-SB	Industrial Blvd	Hesperian/Union City Blvd/overbridge	Hay	0.57	S	1 / 2	888	25.7	C / C	864	22.8	C / C
T104	Hesperian Boulevard-Union City Blvd-SB	Hesperian/Union City Blvd/overbridge	Whipple Rd	Uni City	0.30	S	1 / 2	888	30.2	B / B	864	23.1	C / C
T105	Hesperian Boulevard-Union City Blvd-SB	Whipple Rd	Union City/Alvarado Blvd	Uni City	0.98	S	1 / 2	888	27.6	C / C	864	26.0	C / C
T106	Alvarado Blvd.-NB	NB I-880 ON Ramp	Deep Creek Rd/SB I-880 OFF Ramp	Fre	0.22	S	1 / 2	960	30.3	B / B	796	27.8	C / C
T107	Alvarado Blvd.-NB	Deep Creek Rd/SB I-880 OFF Ramp	Fair Ranch Rd	Uni City	1.42	S	1 / 2	857	28.4	B / B	774	26.6	C / C
T108	Alvarado Blvd.-NB	Fair Ranch Rd	Union City/Alvarado Blvd	Uni City	0.51	S	1 / 2	864	21.5	D / D	790	19.3	D / D
T109	Alvarado Blvd.-SB	Union City/Alvarado Blvd	Fair Ranch Rd	Uni City	0.51	S	1 / 2	874	21.0	D / D	796	21.7	D / D
T110	Alvarado Blvd.-SB	Fair Ranch Rd	Deep Creek Rd/SB I-880 OFF Ramp	Uni City	1.42	S	1 / 2	874	25.7	C / C	796	24.5	C / C
T111	Alvarado Blvd.-SB	Deep Creek Rd/SB I-880 OFF Ramp	NB I-880 ON Ramp	Fre	0.22	S	1 / 2	960	28.1	B / B	864	26.8	C / C
T112	Fremont Boulevard-NB	NB I-880 OFF Ramp	Automall Parkway	Fre	1.28	S	1 / 2	956	25.1	C / C	649	26.8	C / C
T113	Fremont Boulevard-NB	Automall Parkway	Blacow Rd	Fre	0.91	S	1 / 2	958	31.3	B / B	835	32.5	B / B
T114	Fremont Boulevard-NB	Blacow Rd	Adams Ave	Fre	0.38	S	1 / 2	897	26.8	C / C	753	25.9	C / C
T115	Fremont Boulevard-NB	Adams Ave	Stevenson Rd	Fre	1.17	S	2 / 3	897	22.0	C / C	156	21.8	C / C
T116	Fremont Boulevard-NB	Stevenson Rd	Mowry Ave	Fre	1.00	S	2 / 3	960	24.2	B / B	856	27.3	B / B
T117	Fremont Boulevard-NB	Mowry Ave	Peralta Blvd	Fre	1.21	S	2 / 3	914	22.4	C / C	780	24.9	B / B
T118	Fremont Boulevard-NB	Peralta Blvd	Thornton Ave	Fre	0.33	S	2 / 3	952	20.4	C / C	804	24.0	C / C
T119	Fremont Boulevard-NB	Thornton Ave	Decoto Rd	Fre	1.33	S	1 / 2	960	24.2	C / C	820	25.3	C / C



Appendix C | 2024 Level of Service Results

Table C-11. 2024 LOS Monitoring Results for Arterials (Tier 2), AM Peak Period

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	Class 1985/2000	2022 Results			2024 Results		
		From	To					Sample	Speed	LOS 85/00	Sample	Speed	LOS 85/00
T120	Fremont Boulevard-NB	Decoto Rd	Paseo Padre Pkwy	Fre	0.56	S	1 / 2	960	26.8	C / C	864	23.5	C / C
T121	Fremont Boulevard-NB	Paseo Padre Pkwy	NB I-880 OFF Ramp	Fre	0.39	S	1 / 2	960	29.5	B / B	864	28.2	B / B
T122	Fremont Boulevard-SB	NB I-880 OFF Ramp	Paseo Padre Pkwy	Fre	0.39	S	1 / 2	960	26.9	C / C	864	26.6	C / C
T123	Fremont Boulevard-SB	Paseo Padre Pkwy	Decoto Rd	Fre	0.56	S	1 / 2	956	21.6	D / D	849	21.8	D / D
T124	Fremont Boulevard-SB	Decoto Rd	Thornton Ave	Fre	1.33	S	1 / 2	954	23.1	C / C	817	23.5	C / C
T125	Fremont Boulevard-SB	Thornton Ave	Peralta Blvd	Fre	0.32	S	2 / 3	947	22.7	C / C	796	21.7	C / C
T126	Fremont Boulevard-SB	Peralta Blvd	Mowry Ave	Fre	1.21	S	2 / 3	946	22.9	C / C	761	21.7	C / C
T127	Fremont Boulevard-SB	Mowry Ave	Stevenson Rd	Fre	1.00	S	2 / 3	960	24.9	B / B	843	28.3	B / B
T128	Fremont Boulevard-SB	Stevenson Rd	Adams Ave	Fre	1.17	S	2 / 3	954	24.0	C / C	827	23.0	C / C
T129	Fremont Boulevard-SB	Adams Ave	Blacow Rd	Fre	0.38	S	1 / 2	954	26.3	C / C	827	27.5	C / C
T130	Fremont Boulevard-SB	Blacow Rd	Automall Parkway	Fre	0.91	S	1 / 2	954	31.1	B / B	827	29.6	B / B
T131	Fremont Boulevard-SB	Automall Parkway	NB I-880 OFF Ramp	Fre	1.28	S	1 / 2	960	29.5	B / B	861	28.8	B / B
T132	Automall Parkway-EB	NB I-880 OFF Ramp	Fremont Blvd	Fre	0.85	S	1 / 2	960	26.5	C / C	864	27.5	C / C
T133	Automall Parkway-EB	Fremont Blvd	NB I-680 ON Ramp	Fre	0.74	S	1 / 2	960	22.2	C / C	660	22.3	C / C
T134	Automall Parkway-WB	NB I-680 ON Ramp	Fremont Blvd	Fre	0.75	S	1 / 2	960	23.5	C / C	864	22.9	C / C
T135	Automall Parkway-WB	Fremont Blvd	NB I-880 OFF Ramp	Fre	0.85	S	1 / 2	960	28.0	B / B	864	27.4	C / C
T136	Vasco Road-NB	WB I-580 OFF Ramp	Scenic Ave	Liv	0.44	E	1 / 2	888	31.0	B / B	864	28.5	B / B
T137	Vasco Road-NB	Scenic Ave	Dalton Ave/City-County Line	Liv	0.68	E	1 / 2	888	35.6	A / A	857	34.8	B / B
T138	Vasco Road-NB	Dalton Ave/City-County Line	N. Vasco Rd/Vasco Rd	Uninc	3.11	E	1 / 2	888	49.8	A / A	857	47.1	A / A
T139	Vasco Road-NB	N. Vasco Rd/Vasco Rd	Local Road underpass/County Line	Uninc	2.25	E	1 / 2	888	57.4	A / A	864	51.6	A / A
T140	Vasco Road-SB	Local Road underpass/County Line	N. Vasco Rd/Vasco Rd	Uninc	2.25	E	1 / 2	888	27.8	C / C	864	24.7	C / C
T141	Vasco Road-SB	N. Vasco Rd/Vasco Rd	Dalton Ave/City-County Line	Uninc	3.11	E	1 / 2	888	18.0	D / D	864	17.4	D / D
T142	Vasco Road-SB	Dalton Ave/City-County Line	Scenic Ave	Liv	0.68	E	1 / 2	888	30.5	B / B	864	36.3	A / A
T143	Vasco Road-SB	Scenic Ave	WB I-580 OFF Ramp	Liv	0.44	E	1 / 2	888	25.4	C / C	830	21.8	D / D
T144	Dublin Blvd.-EB	San Ramon Road	Village Parkway	Dub	0.73	E	2 / 3	885	25.2	B / B	841	24.2	B / B
T145	Dublin Blvd.-EB	Village Parkway	Dougherty Rd	Dub	0.81	E	2 / 3	885	27.6	B / B	864	26.2	B / B



Appendix C | 2024 Level of Service Results

Table C-11. 2024 LOS Monitoring Results for Arterials (Tier 2), AM Peak Period

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	Class 1985/2000	2022 Results			2024 Results		
		From	To					Sample	Speed	LOS 85/00	Sample	Speed	LOS 85/00
T146	Dublin Blvd.-EB	Dougherty Rd	Hacienda Dr	Dub	1.21	E	1 / 2	888	27.6	C / C	864	26.0	C / C
T147	Dublin Blvd.-EB	Hacienda Dr	Tassajara Dr	Dub	0.89	E	1 / 2	53	24.8	C / C	697	28.4	B / B
T148	Dublin Blvd.-WB	Tassajara Dr	Hacienda Dr	Dub	0.89	E	1 / 2	888	30.4	B / B	861	29.8	B / B
T149	Dublin Blvd.-WB	Hacienda Dr	Dougherty Rd	Dub	1.21	E	1 / 2	888	25.8	C / C	864	25.7	C / C
T150	Dublin Blvd.-WB	Dougherty Rd	Village Parkway	Dub	0.81	E	2 / 3	888	26.3	B / B	864	24.4	B / B
T151	Dublin Blvd.-WB	Village Parkway	San Ramon Road	Dub	0.73	E	2 / 3	888	23.4	C / C	864	22.8	C / C
T152	San Ramon Road-NB	WB I-580 OFF ramp	Silvergate Dr	Dub	0.64	E	1 / 2	886	27.3	C / C	864	25.4	C / C
T153	San Ramon Road-NB	Silvergate Dr	Alcosta Blvd/Westside Dr/County Line	Dub	0.99	E	1 / 2	858	31.7	B / B	840	31.4	B / B
T154	San Ramon Road-SB	Alcosta Blvd/Westside Dr/County Line	Silvergate Dr	Dub	0.99	E	1 / 2	887	33.2	B / B	739	33.4	B / B
T155	San Ramon Road-SB	Silvergate Dr	WB I-580 OFF ramp	Dub	0.64	E	1 / 2	887	26.6	C / C	739	26.5	C / C
T156	Dougherty Road-NB	WB I-580 OFF ramp	Amador Valley Blvd on SB	Dub	1.12	E	1 / 2	888	33.9	B / B	864	28.5	B / B
T157	Dougherty Road-NB	Amador Valley Blvd on SB	Fallcreek Rd on SB/County Line	Dub	0.80	E	1 / 2	886	41.9	A / A	864	44.3	A / A
T158	Dougherty Road-SB	Fallcreek Rd on SB/County Line	Amador Valley Blvd on SB	Dub	0.80	E	1 / 2	888	40.0	A / A	864	42.7	A / A
T159	Dougherty Road-SB	Amador Valley Blvd on SB	WB I-580 OFF ramp	Dub	1.12	E	1 / 2	888	28.1	B / B	864	26.1	C / C
T160	Tassajara Road-NB	WB I-580 OFF ramp	Central Parkway	Dub	0.49	E	1 / 2	888	25.7	C / C	864	24.8	C / C
T161	Tassajara Road-NB	Central Parkway	Somerset Ln/N Dublin Ranch Dr	Dub	0.68	E	1 / 2	872	31.4	B / B	825	30.2	B / B
T162	Tassajara Road-NB	Somerset Ln/N Dublin Ranch Dr	Fallon Rd	Dub	1.04	E	1 / 2	812	31.0	B / B	786	30.2	B / B
T163	Tassajara Road-NB	Fallon Rd	County Line	Dub	0.51	E	1 / 1	873	36.7	A / B	821	35.6	A / B
T164	Tassajara Road-SB	County Line	Fallon Rd	Dub	0.51	E	1 / 1	883	38.1	A / B	854	36.5	A / B
T165	Tassajara Road-SB	Fallon Rd	Somerset Ln/N Dublin Ranch Dr	Dub	1.04	E	1 / 2	888	34.5	B / B	857	32.4	B / B
T166	Tassajara Road-SB	Somerset Ln/N Dublin Ranch Dr	Central Parkway	Dub	0.68	E	1 / 2	888	29.5	B / B	863	26.7	C / C
T167	Tassajara Road-SB	Central Parkway	WB I-580 OFF ramp	Dub	0.49	E	1 / 2	888	25.7	C / C	864	22.3	C / C
T168	E. Stanley Blvd - Railroad Avenue - 1st Street-NB	SR 84/Isabel Ave	Murrita Blvd	Liv	0.91	E	1 / 2	883	28.8	B / B	854	29.7	B / B



Appendix C | 2024 Level of Service Results

Table C-11. 2024 LOS Monitoring Results for Arterials (Tier 2), AM Peak Period

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	Class 1985/2000	2022 Results			2024 Results		
		From	To					Sample	Speed	LOS 85/00	Sample	Speed	LOS 85/00
T169	E. Stanley Blvd - Railroad Avenue - 1st Street-NB	Murrita Blvd	S Livermore Ave	Liv	1.07	E	2 / 3	857	25.1	B / B	657	24.8	B / B
T170	E. Stanley Blvd - Railroad Avenue - 1st Street-NB	S Livermore Ave	Inman St	Liv	0.46	E	2 / 3	830	25.6	B / B	345	21.5	C / C
T171	E. Stanley Blvd - Railroad Avenue - 1st Street-SB	Inman St	S Livermore Ave	Liv	0.46	E	2 / 3	876	22.1	C / C	443	21.5	C / C
T172	E. Stanley Blvd - Railroad Avenue - 1st Street-SB	S Livermore Ave	Murrita Blvd	Liv	1.07	E	2 / 3	888	23.0	C / C	856	25.1	B / B
T173	E. Stanley Blvd - Railroad Avenue - 1st Street-SB	Murrita Blvd	SR 84/Isabel Ave	Liv	0.91	E	1 / 2	888	36.9	A / A	864	34.9	B / B
T174	Stoneridge Drive-EB	SB I-680 OFF Ramp	Hopyard Rd	Plea	0.93	E	1 / 2	887	34.2	B / B	864	28.6	B / B
T175	Stoneridge Drive-EB	Hopyard Rd	Hacienda Dr	Plea	0.49	E	1 / 2	882	25.4	C / C	811	25.1	C / C
T176	Stoneridge Drive-EB	Hacienda Dr	W. Las Positas Blvd	Plea	0.63	E	1 / 2	882	29.3	B / B	811	30.4	B / B
T177	Stoneridge Drive-EB	W. Las Positas Blvd	Santa Rita Road	Plea	0.44	E	1 / 2	874	27.1	C / C	803	27.7	C / C
T178	Santa Rita Road-EB	Stoneridge Dr/Santa Rita Road	W. Los Positas Blvd	Plea	0.29	E	1 / 2	888	31.7	B / B	864	30.5	B / B
T179	Santa Rita Road-EB	W. Los Positas Blvd	WB I-580 OFF Ramp	Plea	0.88	E	1 / 2	888	35.2	A / A	864	35.2	A / A
T180	Santa Rita Road-WB	WB I-580 OFF Ramp	W. Los Positas Blvd	Plea	0.88	E	1 / 2	888	30.8	B / B	864	28.1	B / B
T181	Santa Rita Road-WB	W. Los Positas Blvd	Santa Rita Road	Plea	0.29	E	1 / 2	888	31.4	B / B	864	29.7	B / B
T182	Stoneridge Drive-WB	Santa Rita Road	W. Las Positas Blvd	Plea	0.44	E	1 / 2	888	27.5	C / C	848	28.0	B / B
T183	Stoneridge Drive-WB	W. Las Positas Blvd	Hacienda Dr	Plea	0.63	E	1 / 2	888	29.2	B / B	848	30.9	B / B
T184	Stoneridge Drive-WB	Hacienda Dr	Hopyard Rd	Plea	0.49	E	1 / 2	888	24.5	C / C	848	24.4	C / C
T185	Stoneridge Drive-WB	Hopyard Rd	SB I-680 OFF Ramp	Plea	0.93	E	1 / 2	888	32.0	B / B	862	26.4	C / C
T186	Sunol Blvd.- 1st Street- Stanley Blvd.-NB	NB I-680 OFF	Bernal Ave	Plea	1.23	E	1 / 2	808	29.5	B / B	570	30.0	B / B
T187	Sunol Blvd.- 1st Street- Stanley Blvd.-NB	Bernal Ave	Ray/Vineyard	Plea	0.63	E	3 / 4	888	20.8	B / B	861	22.4	B / B
T188	Sunol Blvd.- 1st Street- Stanley Blvd.-NB	Ray/Vineyard	Bernal Ave/Valley Ave	Plea	0.86	E	2 / 3	840	30.3	A / A	845	29.7	B / B
T189	Sunol Blvd.- 1st Street- Stanley Blvd.-NB	Bernal Ave/Valley Ave	SR 84/Isabel Ave	Liv	2.98	E	1 / 1	881	54.1	A / A	842	49.9	A / A
T190	Sunol Blvd.- 1st Street- Stanley Blvd.-SB	SR 84/Isabel Ave	Bernal Ave/Valley Ave	Liv	2.98	E	1 / 1	888	52.4	A / A	864	52.6	A / A
T191	Sunol Blvd.- 1st Street- Stanley Blvd.-SB	Bernal Ave/Valley Ave	Ray/Vineyard	Plea	0.86	E	2 / 3	888	22.0	C / C	864	23.9	C / C



Appendix C | 2024 Level of Service Results

Table C-11. 2024 LOS Monitoring Results for Arterials (Tier 2), AM Peak Period

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	Class 1985/2000	2022 Results			2024 Results		
		From	To					Sample	Speed	LOS 85/00	Sample	Speed	LOS 85/00
T192	Sunol Blvd.- 1st Street- Stanley Blvd.-SB	Ray/Vineyard	Bernal Ave	Plea	0.63	E	3 / 4	888	13.2	C / C	864	14.5	C / C
T193	Sunol Blvd.- 1st Street- Stanley Blvd.-SB	Bernal Ave	NB I-680 OFF	Plea	1.23	E	1 / 2	888	28.4	B / B	864	24.7	C / C
T194	14th Avenue - EB	E 8th Street	Foothill Boulevard	Oak	0.26	N	3 / 3	772	14.1	C / D	588	14.7	C / D
T195	14th Street-Lake Merritt Blvd - WB	12th Street	Bush Street	Oak	1.13	N	3 / 3	772	13.8	C / E	784	13.9	C / E
T196	20th Street	Harrison Street	San Pablo Avenue	Oak	0.51	N	2 / 3	798	12.0	E / E	425	12.9	E / E
T197	23rd Avenue - NB	23rd Ave NB/SB Split	E 11th	Oak	0.15	N	3 / 3	877	22.9	B / C	765	22.9	B / C
T198	23rd Avenue - SB	E 12th St	23rd Ave NB/SB Split	Oak	0.14	N	3 / 3	888	22.7	B / C	765	21.0	B / C
T199	29th Avenue	Ford St	International/E 14th	Oak	0.52	C	2 / 3	845	14.9	D / D	582	14.7	D / D
T200	40th Street-Shellmound Avenue - WB	Broadway	Powell Boulevard	Oak	1.31	N	3 / 3	802	19.0	C / C	525	19.2	B / C
T201	42nd Avenue-Courtland	International Blvd	High Street	Oak	0.37	C	2 / 3	635	16.8	D / D	255	17.8	D / D
T202	52nd Street - WB	Telegraph Avenue	Shattuck	Oak	0.11	N	3 / 3	741	14.3	C / D	10	15.2	C / D
T203	55th Street	Shattuck Avenue	Market Street	Oak	0.52	N	2 / 3	757	18.1	C / C	755	20.1	C / C
T204	5th Street	Oak Street	Adeline Street	Oak	1.32	N	2 / 3	811	20.2	C / C	na	na	- / -
T205	6th Street	Oak Street	Adeline Street	Oak	1.32	N	2 / 3	888	37.1	A / A	287	23.7	C / C
T206	73rd Avenue	MacArthur Blvd	I-580	Oak	0.79	C	2 / 3	876	18.3	C / C	452	18.4	C / C
T207	7th Street-E 8th Street	14th Avenue	I-880	Oak	3.43	N	2 / 3	178	18.2	C / C	173	18.8	C / C
T208	8th Street - WB	Harrison	Broadway	Oak	0.22	N	3 / 3	874	11.3	D / E	843	12.0	D / E
T209	98th Avenue - EB	Airport Access Road	I-580	Oak	3.25	N	3 / 3	847	19.1	B / C	585	19.2	B / C
T210	Airport Access Road - NB	Dollittle Drive	Hegenberger Road	Oak	0.32	N	3 / 3	851	17.9	C / D	314	16.7	C / D
T211	Altamont Pass Road-Grant Line - EB	Greenville Road	County Line (EB)	Uninc	9.71	E	1 / 2	157	49.3	A / A	61	40.2	A / A
T212	Altamont Pass Road-Grant Line	Laughlin Rd	Greenville Road	Uninc	0.49	E	1 / 2	850	33.6	B / B	532	30.4	B / B
T213	AltamontPass-Grant Line	Vasco Road	Laughlin Rd	Liv	0.90	E	1 / 2	840	33.9	B / B	462	34.5	B / B
T214	Alvarado-Niles/Smith/NilesBlvd - EB	Union City Boulevard	Mission Boulevard	Uni City	6.89	S	3 / 3	941	23.9	B / C	608	24.5	B / B
T215	Auto Mall Parkway - EB	Cherry Street	I-880	Fre	0.75	S	3 / 3	960	22.0	B / C	835	25.2	A / B
T216	B Street	Foothill Boulevard	Mission Boulevard	Hay	0.20	S	2 / 3	960	11.6	E / E	854	12.7	E / E



Appendix C | 2024 Level of Service Results

Table C-11. 2024 LOS Monitoring Results for Arterials (Tier 2), AM Peak Period

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	Class 1985/2000	2022 Results			2024 Results		
		From	To					Sample	Speed	LOS 85/00	Sample	Speed	LOS 85/00
T217	Bernal Avenue - EB	Bernal Avenue	Sunol Blvd/First St	Plea	1.37	E	1 / 1	872	28.5	B / C	837	28.6	B / C
T218	Broadway - NB	College Ave	SR24	Oak	0.94	N	3 / 3	836	24.7	B / B	770	23.8	B / C
T219	Broadway	Encinal Avenue	Tilden Way	Ala	0.55	C	2 / 3	876	16.3	D / D	607	16.7	D / D
T220	Buchanan Street-Marín Avenue - EB	I-80	Arlington/Del Norte	Alb	2.12	N	3 / 3	727	16.9	C / D	679	18.1	C / C
T221	Bush Street	7th Street	San Pablo Avenue	Oak	0.87	N	2 / 3	857	21.9	C / C	701	21.4	C / C
T223	Carlos Bee Blvd-Hayward Blvd	Campus Drive	Mission Boulevard	Hay	0.93	S	1 / 2	960	33.0	B / B	864	32.7	B / B
T224	Casto Street - NB	7th Street	San Pablo Avenue	Oak	0.77	N	3 / 3	864	21.5	B / C	495	18.8	C / C
T225	Castro Valley Boulevard-Mattox - EB	Mission Boulevard	Crow Canyon Road	Uninc	2.70	C	3 / 3	886	21.8	B / C	130	20.9	B / C
T226	Central Avenue - NB	Cherry Street	I-880	New	0.85	S	3 / 3	931	29.1	A / B	754	28.3	A / B
T227	Cherry-Boyce-Cushing	I-880	Thornton Avenue	New	5.67	S	1 / 2	952	35.9	A / A	758	32.1	B / B
T228	Claremont Avenue	Telegraph Avenue	Ashby Avenue	Oak	2.62	N	2 / 3	206	19.8	C / C	819	20.1	C / C
T229	Clawiter Road - SB	Winton Avenue	SR-92	Hay	1.75	C	3 / 3	960	23.1	B / C	783	22.3	B / C
T230	Constitution Way-8th Street	Central Avenue	Webster Street	Ala	0.95	C	2 / 3	960	16.0	D / D	832	18.2	C / C
T231	Dublin Boulevard	Fallon Road	Tassajara Road	Dub	1.24	E	1 / 2	886	29.6	B / B	854	27.7	C / C
T232	Durant Avenue	Shattuck Avenue	College Avenue	Berk	0.73	N	2 / 3	856	17.7	D / D	254	18.2	C / C
T233	Dyer Street - SB	Whipple Road	Alvarado Boulevard	Uni City	1.15	S	3 / 3	860	26.7	A / B	773	26.0	A / B
T234	E 12th Street	40th St	Lake Merritt Blvd	Oak	2.82	N	2 / 3	880	28.4	B / B	194	19.3	C / C
T235	E 18th Street - EB	Lakeshore Avenue	Park Boulevard	Oak	0.22	N	3 / 3	119	15.8	C / D	82	18.2	C / C
T236	East Avenue - EB	Livermore Avenue	Vasco Road	Liv	2.53	E	2 / 2	886	28.5	B / B	812	27.9	B / C
T237	El Charro Road - NB	Stoneridge Drive	I-580	Plea	0.26	E	2 / 2	888	43.0	A / A	861	22.5	C / C
T238	Estudillo Avenue - EB	E 14th St	MacArthur Blvd	San L	0.98	C	3 / 3	878	22.7	B / C	612	23.5	B / C
T239	Fallon Road	I-580	Tassajara Road	Dub	2.85	E	1 / 2	875	33.1	B / B	810	31.6	B / B
T240	Fernside Boulevard	Otis-Dollittle Drive	High Street	Ala	1.15	C	2 / 3	960	20.4	C / C	369	20.2	C / C
T241	First Street - EB	Stanley Boulevard	Railroad Avenue	Liv	0.88	E	2 / 2	101	16.0	D / E	38	17.7	D / D
T242	Foothill Road - NB	Stoneridge Drive	I-580	Plea	0.74	E	2 / 2	870	25.9	B / C	802	25.5	B / C
T243	Fremont Boulevard	I-880	County Line	Fre	3.01	S	1 / 2	906	39.1	A / A	784	36.2	A / A
T244	Fruitvale Avenue - NB	Tilden Way	MacArthur Blvd	Oak	2.37	N	3 / 3	954	15.3	C / D	608	15.5	C / D



Appendix C | 2024 Level of Service Results

Table C-11. 2024 LOS Monitoring Results for Arterials (Tier 2), AM Peak Period

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	Class 1985/2000	2022 Results			2024 Results		
		From	To					Sample	Speed	LOS 85/00	Sample	Speed	LOS 85/00
T245	Gilman Street - EB	I-80	San Pablo Boulevard	Berk	0.63	N	3 / 3	884	17.7	C / D	813	17.4	C / D
T246	Gimmer Boulevard - SB	Paseo Padre Parkway	Mission Boulevard	Fre	5.08	S	3 / 3	814	26.5	A / B	512	26.0	A / B
T247	Harrison St-Oakland Ave - EB	20th Street	MacArthur Blvd	Oak	0.99	N	3 / 3	713	15.7	C / D	606	18.6	C / C
T248	High Street - NB	I-580	MacArthur Blvd	Oak	0.05	N	3 / 3	884	13.7	C / E	839	15.4	C / D
T249	Industrial Blvd-Pkwy West - EB	Clawiter Road	Mission Boulevard	Hay	5.06	C	3 / 3	959	26.2	A / B	829	26.2	A / B
T250	Industrial Pkwy Southwest	Industrial Pkwy West	Whipple Road	Hay	0.92	S	1 / 2	960	28.5	B / B	849	26.3	C / C
T251	Isabel Avenue	Portola Avenue	Airway Boulevard	Liv	0.85	E	1 / 2	888	26.3	C / C	864	26.8	C / C
T252	Lewelling Boulevard - EB	Hesperian Boulevard	Hespedian Boulevard	Uninc	1.42	C	3 / 3	841	20.2	B / C	439	21.1	B / C
T253	Lewelling Boulevard - WB	Hesperian Boulevard	Wicks Boulevard	San L	1.53	C	3 / 3	951	26.7	A / B	628	24.9	B / B
T254	Livermore Avenue - NB	Tesla Road	I-580	Liv	3.29	E	2 / 2	779	26.3	B / C	393	26.6	B / C
T255	MacArthur-Santa Clara - WB	Estudillo Avenue	Seminary Ave	Oak	4.36	C-N	3 / 3	531	24.2	B / B	254	20.5	B / C
T256	Main St-Santa Rita Rd	Bernal Avenue	Stoneridge Drive	Plea	3.10	E	1 / 2	721	21.2	D / D	485	23.2	C / C
T257	Marina Boulevard - WB	Washington Avenue	Dollittle Drive	San L	1.80	C	3 / 3	871	20.4	B / C	640	20.8	B / C
T258	Market Street - NB	55th Street	Stanford Avenue	Oak	0.36	N	3 / 3	628	19.1	B / C	600	18.8	C / C
T259	Martin Luther King Jr Way - NB	Adeline Street	Marin Avenue	Berk	2.67	N	3 / 3	652	16.9	C / D	463	18.4	C / C
T260	Martin Luther King Jr Way - NB	San Pablo Avenue	47th Street	Oak	1.78	N	3 / 3	35	20.0	B / C	400	21.4	B / C
T261	Mission Boulevard - SB	I-680	I-680	Fre	3.01	S	3 / 3	958	34.8	A / A	862	30.6	A / A
T262	Mowry Avenue	I-880	Cherry Street	New	0.78	S	1 / 2	960	24.6	C / C	781	22.2	C / C
T263	Neal Street	Main St	1st Street	Plea	0.13	E	1 / 2	831	14.6	E / E	460	13.9	E / E
T264	North Canyons Parkway-Portola	Airway Boulevard	1st Street	Liv	4.20	E	1 / 2	844	29.9	B / B	666	28.4	B / B
T265	Osgood Road-WarmSpringsBlvd	County Line	Fremont/Washington	Fre	5.48	S	1 / 2	935	30.1	B / B	761	29.9	B / B
T266	Otis Drive	Park Street	Broadway	Ala	0.24	N	2 / 3	957	18.0	D / D	737	19.6	C / C
T267	Owens Drive - EB	Willow Road	W Las Positas Blvd	Plea	1.10	E	2 / 2	637	30.4	A / B	432	27.5	B / C
T268	Park Boulevard - EB	E. 18th Street	SR-13	Oak	3.12	N	3 / 3	680	22.1	B / C	485	22.9	B / C
T269	Park Street - NB	Otis Drive	Encinal Avenue	Ala	0.42	N	3 / 3	960	17.7	C / D	837	17.1	C / D
T270	Paseo Padre Parkway - WB	Grimmer Boulevard	Peralta Boulevard	Fre	2.30	S	3 / 3	954	27.1	A / B	855	28.5	A / B
T271	Paseo Padre Parkway - EB	Sr-84	Ardenwood Boulevard	Fre	1.50	S	3 / 3	947	38.3	A / A	803	37.9	A / A



Appendix C | 2024 Level of Service Results

Table C-11. 2024 LOS Monitoring Results for Arterials (Tier 2), AM Peak Period

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	Class 1985/2000	2022 Results			2024 Results		
		From	To					Sample	Speed	LOS 85/00	Sample	Speed	LOS 85/00
T272	Patterson Pass Road - EB	Vasco	County Line	Liv	10.11	E	1 / 2	9	33.2	B / B	na	na	- / -
T273	Redwood Road - NB	I-580	Catro Valley Boul	Uninc	0.38	C	3 / 3	884	19.6	B / C	816	17.6	C / D
T274	San Leandro Blvd - EB	San Leandro/Oakland	E 14th Street	San L	2.18	C-N	3 / 3	759	27.1	A / B	258	22.7	B / C
T275	San Leandro Street - EB	Fruitvale Avenue	Oakland//SL border	Oak	4.33	N	3 / 3	783	24.0	B / B	253	21.1	B / C
T276	San Pablo Avenue	16th Street	I-580	Oak	1.70	N	2 / 3	107	18.0	D / D	86	19.2	C / C
T277	Santa Clara Avenue	Webster Street	Broadway	Ala	2.28	N	2 / 3	224	18.0	D / D	211	19.2	C / C
T278	Seminary Avenue - EB	MacArthur Boulevard	I-580	Oak	0.67	N	3 / 3	888	22.2	B / C	799	22.8	B / C
T279	Shattuck Avenue	Marin Avenue	University Avenue	Berk	1.27	N	2 / 3	816	18.2	C / C	689	19.0	C / C
T280	Solano Avenue	San Pablo Boulevard	Sutter Street	Alb	1.47	N	2 / 3	727	16.7	D / D	576	17.3	D / D
T281	Stevenson Boulevard - NB	Cherry Street	Mission Boulevard	Fre	4.02	S	3 / 3	553	26.3	A / B	586	27.1	A / B
T282	Stoneridge Dr-Jack London Blvd - WB	Hopyard Rd	Foothill Road	Plea	1.52	E	1 / 1	880	33.1	B / C	862	26.5	C / D
T283	Telegraph Avenue - NB	Broadway	51st Street	Oak	2.25	N	3 / 3	594	16.0	C / D	299	15.0	C / D
T284	Tennyson Road - WB	Hesperian Boulevard	Industrial Boulevard	Hay	0.60	C	3 / 3	960	28.4	A / B	862	27.6	A / B
T285	Tesla Road - WB	Livermore Avenue	County Line (EB)	Uninc	11.93	E	1 / 2	79	36.5	A / A	na	na	- / -
T286	Thornton Avenue - EB	SR-84	I-880	New	3.73	S	3 / 3	960	28.6	A / B	852	27.7	A / B
T287	Tilden Way	Park Street	Fruitvale Avenue	Ala	0.43	C	2 / 3	926	17.4	D / D	340	18.0	C / C
T288	UC Blvd-Ardenwood-Newark Blvd	Alvarado Blvd	SR 84	Uni City	3.57	S	1 / 2	960	29.3	B / B	60	26.9	C / C
T289	Vallecitos Road - NB	Sr-84	1st St	Liv	3.32	E	2 / 2	836	36.1	A / A	490	33.3	A / B
T290	Vasco Road - SB	I-580	Tesla Road	Liv	4.05	E	2 / 2	888	33.8	A / B	781	32.4	A / B
T291	Village Parkway - NB	Dublin Boulevard	County Line	Dub	1.50	E	2 / 2	870	21.7	C / D	784	20.7	C / D
T292	W Las Positas Blvd - EB	Owens Drive	Santa Rita Road	Plea	0.22	E	2 / 2	863	18.1	C / D	779	21.1	C / D
T293	Walnut Avenue	Mission Boulevard	Fremont Boulevard	Fre	1.83	S	1 / 2	949	25.3	C / C	777	24.4	C / C
T294	Warren Avenue	Fremont Blvd	Warm Springs Blvd	Fre	1.04	S	1 / 2	960	22.6	C / C	846	22.6	C / C
T295	Washington Avenue - NB	Lewelling Blvd	Juana Avenue	San L	2.72	C	3 / 3	684	20.9	B / C	202	21.1	B / C
T296	Washington Boulevard - WB	Mission Boulevard	Fremont Boulevard	Fre	2.20	S	3 / 3	890	27.6	A / B	755	27.2	A / B
T297	Whipple Road	Mission Boulevard	Union City Boulevard	Uni City	3.43	S	1 / 2	882	23.0	C / C	829	23.9	C / C
T298	Wicks Blvd-Merced Street - SB	Marina Boulevard	Lewelling Blvd	San L	2.19	C	3 / 3	939	27.9	A / B	752	27.7	A / B



Appendix C | 2024 Level of Service Results

Table C-11. 2024 LOS Monitoring Results for Arterials (Tier 2), AM Peak Period

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	Class 1985/2000	2022 Results			2024 Results		
		From	To					Sample	Speed	LOS 85/00	Sample	Speed	LOS 85/00
T299	Winton Avenue - WB	Hesperian Boulevard	Clawiter Road	Hay	0.54	C	3 / 3	960	26.0	A / B	864	27.2	A / B
T300	14th Avenue - WB	Foothill Boulevard	E 8th Street	Oak	0.26	N	3 / 3	858	11.2	D / E	724	14.5	C / D
T301	14th Street-Lake Merritt Blvd - EB	Brush Street	12th Street	Oak	1.13	N	3 / 3	476	14.1	C / D	430	14.5	C / D
T302	20th Street	San Pablo Avenue	Harrison Street	Oak	0.51	N	2 / 3	801	11.0	E / E	556	12.4	E / E
T303	23rd Avenue - SB	E 11th	23rd Ave NB/SB Split	Oak	0.15	N	3 / 3	888	22.7	B / C	839	22.8	B / C
T304	23rd Avenue - NB	23rd Ave NB/SB Split	E 12 St	Oak	0.14	N	3 / 3	877	21.1	B / C	765	19.8	B / C
T305	29th Avenue	International/E 14th	Ford St	Oak	0.52	C	2 / 3	207	12.9	E / E	849	14.2	D / D
T306	40th Street-Shellmound Avenue - EB	Powell Boulevard	Broadway	Oak	1.31	N	3 / 3	958	19.2	B / C	520	18.2	C / C
T307	42nd Avenue-Courtland	High Street	International Blvd	Oak	0.37	C	2 / 3	774	20.8	C / C	15	19.5	C / C
T308	52nd Street - EB	Shattuck Avenue	Telegraph Avenue	Oak	0.11	N	3 / 3	875	13.5	C / E	750	15.2	C / D
T309	55th Street	Market Street	Shattuck Avenue	Oak	0.52	N	2 / 3	842	17.0	D / D	634	17.8	D / D
T310	5th Street	Adeline Street	Oak Street	Oak	1.32	N	2 / 3	883	24.6	B / B	82	18.4	C / C
T312	73rd Avenue	I-580	MacArthur Blvd	Oak	0.79	C	2 / 3	863	18.9	C / C	512	20.3	C / C
T313	7th Street-E 8th Street - EB	I-880	14th Avenue	Oak	3.43	N	3 / 3	287	18.7	C / C	280	19.3	B / C
T314	98th Avenue - WB	I-580	Airport Access Road	Oak	3.25	N	3 / 3	880	19.8	B / C	828	20.1	B / C
T315	Airport Access Road - SB	Hegenberger Road	Dollittle Drive	Oak	0.32	N	3 / 3	206	12.9	D / E	42	11.7	D / E
T316	Altamont Pass Road-Grant Line - WB	County Line (WB)	Greenville Road	Uninc	9.71	E	1 / 2	885	33.1	B / B	765	37.6	A / A
T317	Altamont Pass Road-Grant Line	Greenville Road	Laughlin Rd	Uninc	0.49	E	1 / 2	888	31.0	B / B	821	28.2	B / B
T318	AltamontPass-Grant Line	Laughlin Rd	Vasco Road	Liv	0.90	E	1 / 2	888	33.5	B / B	821	30.4	B / B
T319	Alvarado-Niles/Smith/NilesBlvd - WB	Mission Boulevard	Union City Boulevard	Uni City	6.89	S	3 / 3	561	24.0	B / C	676	24.6	B / B
T320	Auto Mall Parkway - WB	I-880	Cherry Street	Fre	0.75	S	3 / 3	960	24.3	B / B	864	25.1	A / B
T321	B Street	Mission Boulevard	Foothill Boulevard	Hay	0.20	S	2 / 3	960	11.7	E / E	854	12.7	E / E
T322	Bernal Avenue - WB	Sunol Blvd/First St	I-680	Plea	1.37	E	1 / 1	888	30.1	B / C	864	27.3	C / C
T323	Broadway - SB	SR-24	College Ave	Oak	0.94	N	3 / 3	888	24.5	B / B	577	23.5	B / C
T324	Broadway	Tilden Way	Encinal Avenue	Ala	0.55	C	2 / 3	866	16.9	D / D	413	17.6	D / D
T325	Buchanan Street-Marin Avenue - WB	Arlington/Del Nort	I-80	Alb	2.12	N	3 / 3	872	20.0	B / C	591	20.7	B / C



Appendix C | 2024 Level of Service Results

Table C-11. 2024 LOS Monitoring Results for Arterials (Tier 2), AM Peak Period

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	Class 1985/2000	2022 Results			2024 Results		
		From	To					Sample	Speed	LOS 85/00	Sample	Speed	LOS 85/00
T326	C Street	Mission Boulevard	Foothill Boulevard	Hay	0.19	S	2 / 3	932	15.0	D / D	715	15.0	D / D
T327	Carlos Bee Blvd-Hayward Blvd	Mission Boulevard	Campus Drive	Hay	0.93	S	1 / 2	884	31.0	B / B	498	31.1	B / B
T328	Castro Valley Boulevard-Mattox - WB	Crow Canyon Road	Mission Boulevard	Uninc	2.70	C	3 / 3	878	21.2	B / C	357	21.9	B / C
T329	Central Avenue - SB	I-880	Cherry Street	New	0.85	S	3 / 3	921	29.6	A / B	809	24.4	B / B
T330	Cherry-Boyce-Cushing	Thornton Avenue	I-880	New	5.67	S	1 / 2	948	34.3	B / B	847	28.9	B / B
T331	Claremont Avenue	Ashby Avenue	Telegraph Avenue	Oak	1.68	N	2 / 3	879	23.0	C / C	726	23.4	C / C
T332	Clawiter Road - NB	Winton Avenue	SR-92	Hay	1.75	C	3 / 3	960	21.3	B / C	834	21.6	B / C
T333	Constitution Way-8th Street	Webster Street	Central Avenue	Ala	0.95	C	2 / 3	870	18.3	C / C	790	18.9	C / C
T334	Dublin Boulevard	Tassajara Road	Fallon Road	Dub	1.24	E	1 / 2	875	28.9	B / B	834	27.0	C / C
T335	Durant Avenue	College Avenue	Shattuck Avenue	Berk	0.73	N	2 / 3	856	17.7	D / D	na	na	- / -
T336	Dyer Street - NB	Alvarado Boulevard	Whipple Road	Uni City	1.15	S	3 / 3	866	24.7	B / B	705	24.5	B / B
T337	E 12th Street	Lake Merritt Blvd	High Street	Oak	3.00	N	2 / 3	810	31.2	A / A	79	19.8	C / C
T338	E 18th Street - WB	Park Boulevard	Lakeshore Avenue	Oak	0.22	N	3 / 3	587	13.5	C / E	460	14.7	C / D
T339	East Avenue - WB	Vasco Road	Livermore Avenue	Liv	2.53	E	2 / 2	885	27.1	B / C	853	24.6	B / C
T340	El Charro Road - SB	I-580	Stoneridge Drive	Plea	0.26	E	2 / 2	855	30.5	A / B	833	23.8	C / C
T341	Estudillo Avenue - WB	MacArthur Boulevard	E 14th St	San L	0.98	C	3 / 3	725	20.5	B / C	542	21.9	B / C
T342	Fallon Road	Tassajara Road	I-580	Dub	2.85	E	1 / 2	869	32.0	B / B	836	30.7	B / B
T343	Fernside Boulevard	High Street	Otis-Dollittle Drive	Ala	1.15	C	2 / 3	870	21.4	C / C	656	21.1	C / C
T344	First Street - WB	Stoneridge Drive	I-580	Liv	0.88	E	2 / 2	417	16.2	D / E	5	18.5	C / D
T345	Foothill Road - SB	I-580	Stoneridge Drive	Plea	0.74	E	2 / 2	888	31.0	A / B	864	28.9	B / B
T346	Fremont Boulevard	County Line	I-880	Fre	3.01	S	1 / 2	944	40.8	A / A	753	36.8	A / A
T347	Fruitvale Avenue - SB	MacArthur Boulevard	Tilden Way	Oak	2.37	N	3 / 3	832	15.0	C / D	409	15.3	C / D
T348	Gilman Street - WB	San Pablo Boulevard	I-80	Berk	0.63	N	3 / 3	882	18.8	C / C	854	18.4	C / C
T349	Gimmer Boulevard - NB	Mission Boulevard	Paseo Padre Parkway	Fre	5.08	S	3 / 3	640	25.6	A / B	731	25.5	A / B
T350	Harrison St-Oakland Ave - SB	MacArthur Blvd	20th Street	Oak	0.99	N	3 / 3	882	17.9	C / D	729	17.5	C / D
T351	High Street - WB	MacArthur Blvd	I-580	Oak	0.05	N	3 / 3	881	14.6	C / D	795	14.8	C / D
T352	Industrial Blvd-Pkwy West - WB	Mission Boulevard	Clawiter Road	Hay	5.16	C	3 / 3	950	27.2	A / B	811	26.5	A / B
T353	Industrial Pkwy Southwest	Whipple Road	Industrial Pkwy West	Hay	0.89	S	1 / 2	960	34.3	B / B	377	30.2	B / B



Appendix C | 2024 Level of Service Results

Table C-11. 2024 LOS Monitoring Results for Arterials (Tier 2), AM Peak Period

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	Class 1985/2000	2022 Results			2024 Results		
		From	To					Sample	Speed	LOS 85/00	Sample	Speed	LOS 85/00
T354	Isabel Avenue	Airway Boulevard	Portola Avenue	Liv	0.85	E	1 / 2	883	37.3	A / A	746	31.4	B / B
T355	Lewelling Boulevard - WB	Mission Boulevard	Hespedian Boulevard	Uninc	1.42	C	3 / 3	954	20.0	B / C	197	21.7	B / C
T356	Lewelling Boulevard - EB	Wicks Boulevard	Hespedian Boulevard	San L	1.53	C	3 / 3	957	25.1	A / B	817	24.9	B / B
T357	Livermore Avenue - SB	I-580	Tesla Road	Liv	3.29	E	2 / 2	607	25.7	B / C	424	25.6	B / C
T358	MacArthur-Santa Clara - EB	San Pablo Avenue	Piedmont Ave	Oak	1.56	N	3 / 3	193	21.8	B / C	75	20.1	B / C
T359	Main St-Santa Rita Rd - SB	Stoneridge Drive	Bernal Avenue	Plea	3.10	E	2 / 2	888	21.1	C / D	864	20.5	C / D
T360	Marina Boulevard - EB	Dollittle Drive	Washington Avenue	San L	1.80	C	3 / 3	644	21.5	B / C	390	21.5	B / C
T361	Market Street - SB	Stanford Avenue	55th Street	Oak	0.36	N	3 / 3	834	19.0	B / C	679	18.3	C / C
T362	Martin Luther King Jr Way - SB	Marin Avenue	Adeline Street	Berk	2.67	N	3 / 3	776	17.4	C / D	810	18.9	C / C
T363	Martin Luther King Jr Way - SB	47th Street	San Pablo Avenue	Oak	1.78	N	3 / 3	267	22.1	B / C	166	21.2	B / C
T364	Mission Boulevard - NB	I-680	I-680	Fre	3.01	S	3 / 3	840	33.3	A / A	774	32.3	A / A
T365	Mowry Avenue	Cherry Street	I-880	New	0.78	S	1 / 2	888	24.9	C / C	859	23.9	C / C
T366	Neal Street	1st Street	Main St	Plea	0.13	E	1 / 2	852	14.1	E / E	636	14.3	E / E
T367	North Canyons Parkway-Portola	1st Street	Airway Boulevard	Liv	4.20	E	1 / 2	867	33.3	B / B	569	31.7	B / B
T368	Osgood Road-WarmSpringsBlvd	Fremont/Washington	County Line	Fre	5.48	S	1 / 2	882	29.4	B / B	862	29.3	B / B
T369	Otis Drive	Broadway	Park Street	Ala	0.24	N	2 / 3	882	17.1	D / D	815	18.8	C / C
T370	Owens Drive - WB	W Las Positas Blvd	Willow Road	Plea	1.10	E	2 / 2	884	30.9	A / B	855	30.9	A / B
T371	Park Boulevard - WB	SR-13	E 18th Street	Oak	3.12	N	3 / 3	480	24.3	B / B	230	24.5	B / B
T372	Park Street - SB	Encinal Avenue	Otis Drive	Ala	0.42	N	3 / 3	888	18.1	C / C	834	17.8	C / D
T373	Paseo Padre Parkway - EB	Peralta Boulevard	Grimmer Boulevard	Fre	2.30	S	3 / 3	856	26.1	A / B	857	25.8	A / B
T374	Paseo Padre Parkway - WB	SR-84	Ardenwood Boulevard	Fre	1.50	S	3 / 3	888	42.3	A / A	855	40.6	A / A
T375	Patterson Pass Road - WB	County Line	Vasco Road	Liv	10.11	E	1 / 2	867	39.1	A / A	741	37.2	A / A
T376	Redwood Road - SB	Castro Valley Boul	I-580	Uninc	0.38	C	3 / 3	888	19.2	B / C	864	16.1	C / D
T377	San Leandro Blvd - NB	E 14th Street	San Leandro/Oakland	San L	2.18	C-N	3 / 3	855	29.3	A / B	477	24.0	B / B
T378	San Leandro Street - WB	Oakland//SL border	Fruitvale Avenue	Oak	4.33	N	3 / 3	516	22.7	B / C	472	20.4	B / C
T379	San Pablo Avenue - SB	I-580	16th Street	Oak	1.70	N	3 / 3	627	19.5	B / C	368	18.7	C / C
T380	Santa Clara Avenue	Broadway	Webster Street	Ala	2.28	N	2 / 3	700	19.1	C / C	389	19.3	C / C



Appendix C | 2024 Level of Service Results

Table C-11. 2024 LOS Monitoring Results for Arterials (Tier 2), AM Peak Period

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	Class 1985/2000	2022 Results			2024 Results		
		From	To					Sample	Speed	LOS 85/00	Sample	Speed	LOS 85/00
T381	Seminary Avenue - WB	I-580	MacArthur Boulevard	Oak	0.67	N	3 / 3	833	26.9	A / B	694	26.6	A / B
T382	Shattuck Avenue	University Avenue	Marin Avenue	Berk	1.18	N	2 / 3	719	20.9	C / C	323	20.4	C / C
T383	Solano Avenue	San Pablo Boulevard	Sutter Street	Alb	1.47	N	2 / 3	354	17.4	D / D	576	17.3	D / D
T384	Stevenson Boulevard - SB	Mission Boulevard	Cherry Street	Fre	4.02	S	3 / 3	888	25.7	A / B	764	25.5	A / B
T385	Stoneridge Dr-Jack London Blvd	Isabel Avenue	Santa Rita Rd	Liv	2.50	E	1 / 2	877	39.1	A / A	786	39.6	A / A
T386	Telegraph Avenue - SB	51st Street	Broadway	Oak	2.25	N	3 / 3	684	16.7	C / D	497	15.6	C / D
T387	Tennyson Road - EB	Industrial Boulevard	Hespedian Boulevard	Hay	0.60	C	3 / 3	888	23.9	B / C	854	24.0	B / C
T388	Tesla Road - WB	County Line	Livermore Avenue	Uninc	11.93	E	1 / 2	824	38.2	A / A	na	na	- / -
T389	Thornton Avenue - WB	I-880	SR-84	New	3.73	S	3 / 3	888	30.0	A / B	854	27.5	A / B
T390	Tilden Way	Fruitvale Avenue	Park Street	Ala	0.43	C	2 / 3	826	16.9	D / D	581	17.1	D / D
T391	UC Blvd-Ardenwood-Newark Blvd - WB	Central Avenue	SR 84	New	2.15	S	3 / 3	883	25.0	B / B	669	25.6	A / B
T392	Vallecitos Road - SB	1st St	SR-84	Liv	3.32	E	2 / 2	60	31.8	A / B	6	31.3	A / B
T393	Vasco Road - NB	Tesla Road	I-580	Liv	3.11	E	2 / 2	888	33.6	A / B	840	31.7	A / B
T394	Village Parkway - SB	County Line	Dublin Boulevard	Dub	1.50	E	2 / 2	853	24.3	B / C	817	24.4	B / C
T395	W Las Positas Blvd - WB	Santa Rita Road	Owens Drive	Plea	0.22	E	2 / 2	888	22.7	C / C	767	22.9	C / C
T396	Walnut Avenue	Fremont Boulevard	Mission Boulevard	Fre	1.83	S	1 / 2	865	25.5	C / C	612	23.4	C / C
T397	Warren Avenue	Warm Springs Blvd	Fremont Blvd	Fre	1.04	S	1 / 2	888	23.8	C / C	863	24.4	C / C
T398	Washington Avenue - SB	Juana Avenue	Lewelling Blvd	San L	2.72	C	3 / 3	868	21.0	B / C	583	21.4	B / C
T399	Washington Boulevard - EB	Fremont Boulevard	Mission Boulevard	Fre	2.20	S	3 / 3	888	27.1	A / B	94	27.3	A / B
T400	Whipple Road	Union City Boulevard	Mission Boulevard	Uni City	3.43	S	1 / 2	882	22.6	C / C	698	21.9	D / D
T401	Wicks Blvd-Merced Street - NB	Lewelling Blvd	Marina Boulevard	San L	2.19	C	3 / 3	877	25.1	A / B	28	25.2	A / B
T402	Winton Avenue - EB	Clawiter Road	Hespedian Boulevard	Hay	0.54	C	3 / 3	888	21.4	B / C	864	22.6	B / C
T403	Stoneridge Dr-Jack London Blvd - WB	Santa Rita Road	Hopyard Rd	Plea	1.56	E	2 / 2	874	27.4	B / C	848	27.9	B / C
T404	Stoneridge Dr-Jack London Blvd	Santa Rita Rd	Isabel Avenue	Liv	4.34	E	1 / 2	757	36.6	A / A	596	36.4	A / A
T405	Stoneridge Dr-Jack London Blvd - EB	Hopyard Rd	Santa Rita Road	Plea	1.56	E	2 / 2	878	30.2	A / B	744	30.9	A / B
T406	Stoneridge Dr-Jack London Blvd - EB	Foothill Boulevard	Hopyard Rd	Plea	1.52	E	1 / 1	888	30.5	B / C	838	29.3	B / C



Appendix C | 2024 Level of Service Results

Table C-11. 2024 LOS Monitoring Results for Arterials (Tier 2), AM Peak Period

CMP ID	CMP Route	Segment Limits		Jurisdiction	Length (mi)	Plan Area	Class 1985/2000	2022 Results			2024 Results		
		From	To					Sample	Speed	LOS 85/00	Sample	Speed	LOS 85/00
T407	UC Blvd-Ardenwood-Newark Blvd - EB	SR 84	Central Ave	New	2.15	S	3 / 3	888	26.9	A / B	332	25.4	A / B
T408	UC Blvd-Ardenwood-Newark Blvd	SR 84	Alvarado Blvd	Uni City	3.57	S	1 / 2	852	34.6	B / B	691	33.0	B / B
T409	SantaClara - NB	I-580	Okland Avenue	Oak	0.82	N	3 / 3	257	20.2	B / C	63	19.3	B / C
T410	MacArthur-SantaClara - WB	Seminary Ave	Grand Ave	Oak	4.79	N	3 / 3	390	18.8	C / C	14	19.5	B / C
T411	MacArthur-SantaClara	Grand Ave	Piedmont Ave	Oak	0.74	N	2 / 3	291	17.5	D / D	63	18.4	C / C
T412	MacArthur-SantaClara - WB	Piedmont Ave	San Pablo Avenue	Oak	1.56	N	3 / 3	66	20.7	B / C	40	19.4	B / C
T413	MacArthur-SantaClara	Piedmont Avenue	Grand Ave	Oak	1.08	N	2 / 3	561	26.1	B / B	181	27.0	B / B
T414	MacArthur-SantaClara - EB	Grand Ave	Seminary Ave	Oak	4.77	N	3 / 3	44	19.2	B / C	32	20.9	B / C
T415	MacArthur-SantaClara - SB	Seminary Ave	Estudillo Ave	Oak	0.32	N-C	3 / 3	659	21.2	B / C	92	23.9	B / C
T416	El Charro Road - SB	Stoneridge Drive	Bauch Rd	Plea	0.09	E	2 / 2	888	21.2	C / D	833	23.6	C / C
T417	El Charro Road - NB	Bauch Rd	Stoneridge Drive	Plea	0.09	E	2 / 2	864	24.4	B / C	861	20.9	C / D