

# **Appendix C:**

## **Noise Data**

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**ADT Volumes for analyzed segments**

Roadway	Segment	Segment Volumes - AM and PM Peak Hour						ADT (5 x AM peak + 5 x PM Peak)		
		Existing AM	Existing PM	2040 NP AM	2040 NP PM	2040 + P AM	2040 + P PM	Existing ADT	2040 NP ADT	2040 + Project ADT
		North Canyons Parkway	West of Airway Boulevard	76	159	1957	1311	1885	1282	1175
North Canyons Parkway	East of Airway Boulevard	1572	1538	2748	2675	2839	2948	15550	27115	28935
North Canyons Parkway	West of Gateway Drive	0	0	0	0	1773	2043	0	0	19080
North Canyons Parkway	East of Gateway Drive	0	0	0	0	1257	1229	0	0	12430
North Canyons Parkway	West of Collier Canyon Road	1325	1017	1565	1885	2040	2335	11710	17250	21875
North Canyons Parkway	East of Collier Canyon Road	1397	984	1399	1431	1409	1330	11905	14150	13695
Portola Avenue	West of Road 1	0	0	0	0	1409	1330	0	0	13695
Portola Avenue	East of Road 1	0	0	0	0	1408	1359	0	0	13835
Portola Avenue	West of Road 2	0	0	0	0	1408	1359	0	0	13835
Portola Avenue	East of Road 2	0	0	0	0	1324	1668	0	0	14960
Portola Avenue	West of Main Street	0	0	0	0	1324	1668	0	0	14960
Portola Avenue	East of Main Street	0	0	0	0	1315	1669	0	0	14920
Portola Avenue	West of Montage Drive/Road 3	0	0	0	0	1315	1669	0	0	14920
Portola Avenue	East of Montage Drive/Road 3	0	0	0	0	1152	1786	0	0	14690
Portola Avenue	West of Road 4	0	0	0	0	1152	1786	0	0	14690
Portola Avenue	East of Road 4	0	0	0	0	1152	1800	0	0	14760
Portola Avenue	West of Isabel Avenue	1484	1068	1485	1519	1494	1479	12760	15020	14865
Portola Avenue	East of Isabel Avenue	1268	896	1755	1851	1777	2530	10820	18030	21535
Portola Avenue	West of Tranquility Circle	1003	1097	1165	2092	1777	2530	10500	16285	21535
Portola Avenue	East of Tranquility Circle	884	822	965	1735	1552	2131	8530	13500	18415
Portola Avenue	West of Sandalwood Drive	884	822	884	822	1552	2131	8530	8530	18415
Portola Avenue	East of Sandalwood Drive	884	822	884	822	1599	2175	8530	8530	18870
Portola Avenue	North of E. Airport Blvd	1415	1052	1508	1992	1239	2418	12335	17500	18285
Portola Avenue	South of Intersection w E. Airport Blvd	1818	1562	1908	2464	2372	3062	16900	21860	27170
Portola Avenue	West of Murrieta	1818	1562	1876	2112	2314	2819	16900	19940	25665
Portola Avenue	East of Murrieta	1958	1881	2014	2421	2414	3196	19195	22175	28050
Portola Avenue	West of Livermore Avenue	1796	1851	2020	2523	2360	3140	18235	22715	27500
Portola Avenue	East of Livermore Avenue	1266	1150	1351	1427	1406	1899	12080	13890	16525
Gateway Drive	North of North Canyons Parkway	0	0	0	0	304	495	0	0	3995
Gateway Drive	South of North Canyons Parkway	0	0	0	0	230	377	0	0	3035
Collier Canyon Road	North of N Canyons Pkwy	357	472	581	779	683	820	4145	6800	7515
Collier Canyon Road	South of N Canyons Pkwy	283	203	329	425	768	1069	2430	3770	9185
Road 1	North of Portola Avenue	0	0	0	0	0	0	0	0	0
Road 1	South of Portola Avenue	0	0	0	0	15	115	0	0	650
Road 2	North of Portola Avenue	0	0	0	0	258	425	0	0	3415
Road 2	South of Portola Avenue	0	0	0	0	540	826	0	0	6830
Main Street	North of Portola Avenue	0	0	0	0	0	0	0	0	0
Main Street	South of Portola Avenue	0	0	0	0	31	217	0	0	1240
Montage Drive/Road 3	North of Portola Avenue	0	0	0	0	262	426	0	0	3440
Montage Drive/Road 3	South of Portola Avenue	0	0	0	0	477	719	0	0	5980
Road 4	North of Portola Avenue	0	0	0	0	0	0	0	0	0
Road 4	South of Portola Avenue	0	0	0	0	8	58	0	0	330
Tranquility Circle (west of Sandalwood Dr.)	North of Portola Avenue (parking lot)	0	84	0	84	0	84	420	420	420
Tranquility Circle (west of Sandalwood Dr.)	South of Portola Avenue	311	633	464	889	379	781	4720	6765	5800
Sandalwood Drive	North of Portola Avenue (DNE)	0	0	0	0	0	0	0	0	0
Sandalwood Drive	South of Portola Avenue	20	20	20	20	67	64	200	200	655
Airway Boulevard	North of N Canyons Pkwy (DNE)	0	0	0	0	0	0	0	0	0
Airway Boulevard	South of N Canyons Pkwy	1618	1641	2793	2324	2760	2426	16295	25585	25930
Airway Boulevard	North of WB ramps	1793	1788	2979	2487	2981	2596	17905	27330	27885
Airway Boulevard	South of WB ramps	1549	1254	1985	2100	2133	2103	14015	20425	21180
Airway Boulevard	North of EB ramps	1570	1259	1671	2135	1770	2021	14145	19030	18955
Airway Boulevard	South of EB ramps	981	840	1158	1507	1540	1510	9105	13325	15250
Airway Blvd	West of Isabel Ave	773	712	933	1159	1443	1100	7425	10460	12715
Airway Blvd	East of Isabel Ave	747	705	844	857	1908	1832	7260	8505	18700
Airway Boulevard	West of Rutan Drive	593	1055	598	735	1859	1887	8240	6665	18730
Airway Boulevard	East of Rutan Drive	513	631	513	631	1629	1602	5720	5720	16155
E. Airway Boulevard	West of Bart Access	0	0	0	0	1629	1602	0	0	16155
E. Airway Boulevard	East of Bart Access	0	0	0	0	1683	1435	0	0	15590
E. Airway Boulevard	West of Stealth Street	0	0	0	0	1683	1435	0	0	15590
E. Airway Boulevard	East of Stealth Street	0	0	0	0	1486	1168	0	0	13270
E. Airway Boulevard	West of Sutter Street	437	509	477	510	1486	1168	4730	4935	13270
E. Airway Boulevard	East of Sutter Street	376	461	416	462	1517	1252	4185	4390	13845
E. Airway Boulevard	West/N of Portola Avenue	427	542	442	580	1393	1606	4845	5110	14995
E. Airway Boulevard	East of Portola Avenue (DNE)	0	0	0	0	0	0	0	0	0
Rutan Drive	North of E. Airway Blvd (DNE)	0	0	0	0	787	785	0	0	7860
Rutan Drive	South of E. Airway Blvd	120	464	125	144	131	180	2920	1345	1555
Bart Access Road	North of E. Airway Boulevard	0	0	0	0	1023	1023	0	0	10230
BART Access & E. Airway Boulevard	South of E. Airway Boulevard	0	0	0	0	549	784	0	0	6665
Stealth Street	North of E. Airway Boulevard	0	0	0	0	0	0	0	0	0
Stealth Street	South of E. Airway Boulevard	0	0	0	0	393	597	0	0	4950

Sutter Street	North of E. Airway Boulevard (DNE)	0	0	0	0	0	0	0	0	0	
Sutter Street	South of E. Airway Boulevard	105	122	105	122	177	300	1135	1135	2385	
Murrieta Boulevard	North of Portola Avenue	11	17	11	17	11	17	140	140	140	
Murrieta Boulevard	South of Portola Avenue	703	782	715	1092	809	1352	7425	9035	10805	
Livermore Avenue	North of Portola Avenue	1695	2392	2210	3191	2514	3570	20435	27005	30420	
Livermore Avenue	South of Portola Avenue	1341	1601	1703	2191	1828	2683	14710	19470	22555	
INP Road	West of Isabel Avenue	0	0	0	0	536	708	0	0	6220	
INP Road	East of Isabel Avenue	0	0	0	0	77	156	0	0	1165	
Isabel Avenue	North of Portola Avenue	580	658	741	965	737	854	6190	8530	7955	
Isabel Avenue	South of Portola Avenue	1458	1364	2049	1927	2048	2699	14110	19880	23735	
Isabel Avenue	North of INP Road	0	0	0	0	1670	1957	0	0	18135	
Isabel Avenue	South of INP Road	0	0	0	0	2143	2469	0	0	23060	
Isabel Avenue	North of BART Parking Road/Access (North)	0	0	0	0	2143	2469	0	0	23060	
Isabel Avenue	South of BART Parking Road/Access (North)	0	0	0	0	3115	3502	0	0	33085	
Isabel Ave	North of Airway Blvd	2563	2864	2859	2905	3267	4221	27135	28820	37440	
Isabel Ave	South of Airway Blvd	2859	3017	3282	3553	3758	4473	29380	34175	41155	
Isabel Avenue	North of WB ramps	1457	1281	2129	2061	2732	3181	13690	20950	29565	
Isabel Avenue	South of WB ramps	1519	1538	1814	1776	2802	2394	15285	17950	25980	
Isabel Avenue	North of EB ramps (which are S. of I-580)	1970	2026	2330	2487	3328	3108	19980	24085	32180	
Isabel Avenue	South of EB ramps (which are S. of I-580)	2486	2544	2698	2692	3257	4279	25150	26950	37680	
Isabel Avenue	No. of Jack London Boulevard	2536	2919	3098	3568	3352	4645	27275	33330	39985	
Isabel Avenue	So. of Jack London Boulevard	2189	2595	3193	3929	3413	4739	23920	35610	40760	
BART Parking Road/Access (North)	West of Isabel Avenue	0	0	0	0	1041	1320	0	0	11805	
BART Parking Road/Access (North)	East of Isabel Avenue	0	0	0	0	181	301	0	0	2410	
Jack London Boulevard	West of Isabel Avenue	1357	1272	1839	1668	1895	2078	13145	17535	19865	
Jack London Boulevard	East of Isabel Avenue	1434	1706	2012	2671	1956	2578	15700	23415	22670	
I-580	From Fallon Road to Airway Blvd							173,928	177,320	175,799	ADT drops due to project attracting trips off the freeway
I-580	Between Airway Blvd Ramps (under the overpass)							160,492	178,123	172,426	
I-580	From Airway Blvd to Isabel Avenue							147,056	178,925	169,053	ADT drops due to project attracting trips off the freeway
I-580	Between Isabel Avenue Ramps (under the overpass)							150,967	181,924	176,329	
I-580	From Isabel Avenue to North Livermore Avenue							154,877	184,923	183,605	ADT drops due to project attracting trips off the freeway
<p>ADT Values calculated by multiplying AM and PM peak hour volumes by 5 and adding, per direction from/consultation with Kittleson</p> <p>Red segments do not have existing or no-project ADT/Peak hour volumes as they are segments that do not currently exist as named.</p> <p>Freeway ADT was provided by Kittleson and not calculated using peak-hour volumes</p>											

**All Modeling Results for Existing, 2040 No-Project and 2040 + Project conditoinis**

Roadway	Segment Location	Distance (feet)	ADT (5 x AM peak + 5 x PM Peak)			Existing	Year 2040 No Project	Year 2040 + Project	Potential Direct Project Impact (next step: see what land uses are near by)	Potential Direct Project Impact (next step: see what land uses are near by)
			Existing ADT	2040 NP ADT	2040 + Project ADT	dB Ldn	dB Ldn	dB Ldn	2040WP-2040NP Delta (Ldn)	
North Canyons Parkway	West of Airway Boulevard	50	1175	16340	15835	55.6	66.7	66.5	-0.1	
North Canyons Parkway	East of Airway Boulevard	50	15550	27115	28935	66.5	68.9	69.1	0.3	
North Canyons Parkway	West of Collier Canyon Road	50	11710	17250	21875	65.2	66.9	67.9	1.0	
North Canyons Parkway	East of Collier Canyon Road	50	11905	14150	13695	65.5	66.2	66.1	-0.1	
Portola Avenue	West of Isabel Avenue	50	12760	15020	14865	65.6	66.3	66.3	0.0	
Portola Avenue	East of Isabel Avenue	50	10820	18030	21535	64.9	67.1	67.9	0.8	
Portola Avenue	West of Tranquility Circle	50	10500	16285	21535	64.8	66.7	67.9	1.2	
Portola Avenue	East of Tranquility Circle	50	8530	13500	18415	63.9	65.8	67.2	1.3	
Portola Avenue	West of Sandalwood Drive	50	8530	8530	18415	63.9	63.9	67.2	3.3	Yes
Portola Avenue	East of Sandalwood Drive	50	8530	8530	18870	63.9	63.9	67.3	3.4	Yes
Portola Avenue	North of E. Airport Blvd	50	12335	17500	18285	65.5	67.0	67.2	0.2	
Portola Avenue	South of Intersection w E. Airport Blvd	50	16900	21860	27170	66.8	67.9	68.9	0.9	
Portola Avenue	West of Murrieta	50	16900	19940	25665	66.8	67.5	68.6	1.1	
Portola Avenue	East of Murrieta	50	19195	22175	28050	67.4	68.0	69.0	1.0	
Portola Avenue	West of Livermore Avenue	50	18235	22715	27500	67.1	68.1	68.9	0.8	
Portola Avenue	East of Livermore Avenue	50	12080	13890	16525	65.4	66.0	66.7	0.7	
Collier Canyon Road	North of N Canyons Pkwy	50	4145	6800	7515	60.8	62.9	63.3	0.4	
Collier Canyon Road	South of N Canyons Pkwy	50	2430	3770	9185	58.9	60.8	64.6	3.8	Yes
Tranquility Circle (west of San North of Portola Avenue (parking lot)		50	420	420	420	49.3	49.3	49.3	0.0	
Tranquility Circle (west of San South of Portola Avenue		50	4720	6765	5800	58.6	60.1	59.5	-0.7	
Sandalwood Drive	South of Portola Avenue	50	200	200	655	47.2	47.2	50.8	3.6	
Airway Boulevard	South of N Canyons Pkwy	50	16295	25585	25930	66.7	68.6	68.7	0.1	
Airway Boulevard	North of WB ramps	50	17905	27330	27885	67.1	68.9	69.0	0.1	
Airway Boulevard	South of WB ramps	50	14015	20425	21180	66.0	67.6	67.8	0.2	
Airway Boulevard	North of EB ramps	50	14145	19030	18955	66.0	67.3	67.3	0.0	
Airway Boulevard	South of EB ramps	50	9105	13325	15250	64.1	65.8	66.4	0.6	
Airway Blvd	West of Isabel Ave	50	7425	10460	12715	63.3	64.7	65.6	0.8	
Airway Blvd	East of Isabel Ave	50	7260	8505	18700	63.2	63.9	67.2	3.4	Yes
Airway Boulevard	West of Rutan Drive	50	8240	6665	18730	63.7	62.8	67.3	4.4	Yes
Airway Boulevard	East of Rutan Drive	50	5720	5720	16155	62.2	62.2	66.6	4.5	Yes
E. Airway Boulevard	West of Sutter Street	50	4730	4935	13270	61.3	61.5	65.8	4.2	Yes
E. Airway Boulevard	East of Sutter Street	50	4185	4390	13845	60.8	61.0	66.0	4.9	Yes
E. Airway Boulevard	West/N of Portola Avenue	50	4845	5110	14995	61.5	61.7	66.3	4.6	Yes
Rutan Drive	South of E. Airway Blvd	50	2920	1345	1555	56.6	53.5	54.0	0.6	
Sutter Street	South of E. Airway Boulevard	50	1135	1135	2385	52.8	52.8	55.8	3.0	
Murrieta Boulevard	North/east of Portola Avenue	50	140	140	140	48.3	48.3	48.3	0.0	
Murrieta Boulevard	South/west of Portola Avenue	50	7425	9035	10805	63.3	64.1	64.9	0.8	
Livermore Avenue	North of Portola Avenue	50	20435	27005	30420	66.2	67.4	67.9	0.5	

Livermore Avenue	South of Portola Avenue	50	14710	19470	22555	64.8	66.0	66.6	0.6
Isabel Avenue	North of Portola Avenue	50	6190	8530	7955	62.5	63.9	63.6	-0.3
Isabel Avenue	South of Portola Avenue	50	14110	19880	23735	66.0	67.5	68.3	0.8
Isabel Avenue	North of WB ramps	50	27135	28820	37440	70.1	73.3	74.5	1.1
Isabel Avenue	South of WB ramps	50	29380	34175	41155	70.6	74.1	74.9	0.8
Isabel Avenue	North of EB ramps (which are S. of I-580)	50	13690	20950	29565	71.8	72.0	73.5	1.5
Isabel Avenue	South of EB ramps (which are S. of I-580)	50	15285	17950	25980	72.8	71.3	72.9	1.6
Isabel Ave	North of Airway Blvd	50	19980	24085	32180	68.9	68.3	69.6	1.3
Isabel Ave	South of Airway Blvd	50	25150	26950	37680	69.2	68.8	70.3	1.5
Isabel Avenue	No. of Jack London Boulevard	50	27275	33330	39985	68.9	69.7	70.5	0.8
Isabel Avenue	So. of Jack London Boulevard	50	23920	35610	40760	68.3	70.0	70.6	0.6
Jack London Boulevard	West of Isabel Avenue	50	13145	17535	19865	69.9	71.2	71.7	0.5
Jack London Boulevard	East of Isabel Avenue	50	15700	23415	22670	68.0	69.7	69.6	-0.1
I-580	From Fallon Road to Airway Blvd	150	173,928	177,320	175,799	80.7	80.8	80.7	0.0
I-580	Between Airway Blvd Ramps (under the overpass)	150	160,492	178,123	172,426	80.3	80.8	80.6	-0.1
I-580	From Airway Blvd to Isabel Avenue	150	147,056	178,925	169,053	80.0	80.8	80.6	-0.2
I-580	Between Isabel Avenue Ramps (under the overpass)	150	150,967	181,924	176,329	80.1	80.9	80.7	-0.1
I-580	From Isabel Avenue to North Livermore Avenue	150	154,877	184,923	183,605	80.2	81.0	80.9	0.0
<b>Segments without No-Project Volumes</b>									
North Canyons Parkway	West of Gateway Drive	50			19080			67.3	
North Canyons Parkway	East of Gateway Drive	50			12430			65.5	
Portola Avenue	West of Road 1	50			13695			65.9	
Portola Avenue	East of Road 1	50			13835			65.9	
Portola Avenue	West of Road 2	50			13835			65.9	
Portola Avenue	East of Road 2	50			14960			66.3	
Portola Avenue	West of Main Street	50			14960			66.3	
Portola Avenue	East of Main Street	50			14920			66.3	
Portola Avenue	West of Montage Drive/Road 3	50			14920			66.3	
Portola Avenue	East of Montage Drive/Road 3	50			14690			66.2	
Portola Avenue	West of Road 4	50			14690			66.2	
Portola Avenue	East of Road 4	50			14760			66.2	
Gateway Drive	North of North Canyons Parkway	50			3995			57.9	
Gateway Drive	South of North Canyons Parkway	50			3035			56.8	
Road 1	North of Portola Avenue	50			0			43.5	
Road 1	South of Portola Avenue	50			650			50.8	
Road 2	North of Portola Avenue	50			3415			57.2	
Road 2	South of Portola Avenue	50			6830			60.2	
Main Street	North of Portola Avenue	50			0			43.5	
Main Street	South of Portola Avenue	50			1240			53.2	
Montage Drive/Road 3	North of Portola Avenue	50			3440			57.3	
Montage Drive/Road 3	South of Portola Avenue	50			5980			59.6	
Road 4	North of Portola Avenue	50			0			43.5	
Road 4	South of Portola Avenue	50			330			48.5	
Sandalwood Drive	North of Portola Avenue (DNE)	50			0			43.5	
Airway Boulevard	North of N Canyons Pkwy (DNE)	50			0			44.5	
E. Airway Boulevard	West of Bart Access	50			16155			66.6	
E. Airway Boulevard	East of Bart Access	50			15590			66.5	
E. Airway Boulevard	West of Stealth Street	50			15590			66.5	
E. Airway Boulevard	East of Stealth Street	50			13270			65.8	
E. Airway Boulevard	East of Portola Avenue (DNE)	50			0			44.5	

Rutan Drive	North of E. Airway Blvd (DNE)	50	7860	60.8
Bart Access Road	North of E. Airway Boulevard	50	10230	61.9
BART Access & E. Airway Boul	South of E. Airway Boulevard	50	6665	60.1
Stealth Street	North of E. Airway Boulevard	50	0	43.5
Stealth Street	South of E. Airway Boulevard	50	4950	58.8
Sutter Street	North of E. Airway Boulevard (DNE)	50	0	43.5
INP Road	West of Isabel Avenue	50	6220	59.8
INP Road	East of Isabel Avenue	50	1165	52.9
Isabel Avenue	North of INP Road	50	18135	67.1
Isabel Avenue	South of INP Road	50	23060	68.2
Isabel Avenue	North of BART Parking Road/Access (North)	50	23060	68.2
Isabel Avenue	South of BART Parking Road/Access (North)	50	33085	73.9
BART Parking Road/Access (N	West of Isabel Avenue	50	11805	62.5
BART Parking Road/Access (N	East of Isabel Avenue	50	2410	55.8

**Modeling results summary for potentially impacted segments (Year 2040 + Project >60 and increase > 3 dB) - note that not all of these are impacted segments, depending on the surrounding land use and associated land use compatibility level (e.g., 70 dBA CNEL for Commercial land uses)**

Roadway	Segment Location	Distance Modeled (feet)	Existing Land Use?	Existing Land Use Compatibility Guideline (dBA Ldn)	Year 2040 No Project dB Ldn	Year 2040 + Project dB Ldn	In excess of compatibility standard?	2040 + Project and 2040 No Project Delta (Ldn) if Compatibility exceeded	Potential Direct Project Impact due to increase of >3 dB over Baseline No-Project Noise?
Portola Avenue	West of Sandalwood Drive	50	SFR	60	63.9	67.2	Yes	3.3	Yes
Portola Avenue	East of Sandalwood Drive	50	NA	NA	63.9	67.3	No	NA	No
Collier Canyon Road	South of N Canyons Pkwy	50	C	70	60.8	64.6	No	NA	No
E. Airway Boulevard	East of Sutter Street	50	SFR	60	61.0	66.0	Yes	4.9	Yes
E. Airway Boulevard	West/N of Portola Avenue	50	SFR	60	61.7	66.3	Yes	4.6	Yes
Airway Blvd	East of Isabel Ave	50	C	70	63.9	67.2	No	NA	No
Airway Boulevard	West of Rutan Drive	50	C	70	62.8	67.3	No	NA	No
Airway Boulevard	East of Rutan Drive	50	C	70	62.2	66.6	No	NA	No
E. Airway Boulevard	West of Sutter Street	50	C	70	61.5	65.8	No	NA	No

Notes: SFR = Single-Family Residential, MFR = Multi-Family Residential, C = Commercial, Business or Office.

In areas where multiple uses are located along a single segment, the most stringent (aka 60 dBA Ldn) standard applies.

**Full Modeling Outputs - Existing, Year 2040 No project, and year 2040 with Project modeling results.**

Roadway	Segment Location	Distance (feet)	Existing dB Ldn	Year 2040 No Project dB Ldn	Year 2040 + Project dB Ldn	2040 + Project and 2040 No Project Delta (Ldn)	Potential Direct Project Impact due to increase over Baseline No-Project Noise?	Next Step - Check Land Use Nearby (see above)
Portola Avenue	West of Sandalwood Drive	50	63.9	63.9	67.2	3.3	Yes	
Portola Avenue	East of Sandalwood Drive	50	63.9	63.9	67.3	3.4	Yes	
Collier Canyon Road	South of N Canyons Pkwy	50	58.9	60.8	64.6	3.8	Yes	
Airway Blvd	East of Isabel Ave	50	63.2	63.9	67.2	3.4	Yes	
Airway Boulevard	West of Rutan Drive	50	63.7	62.8	67.3	4.4	Yes	
Airway Boulevard	East of Rutan Drive	50	62.2	62.2	66.6	4.5	Yes	
E. Airway Boulevard	West of Sutter Street	50	61.3	61.5	65.8	4.2	Yes	
E. Airway Boulevard	East of Sutter Street	50	60.8	61.03	65.95	4.9	Yes	
E. Airway Boulevard	West/N of Portola Avenue	50	61.5	61.68	66.30	4.6	Yes	
North Canyons Parkway	West of Airway Boulevard	50	55.6	66.7	66.5	-0.1	No	
North Canyons Parkway	East of Airway Boulevard	50	66.5	68.9	69.1	0.3	No	
North Canyons Parkway	West of Collier Canyon Road	50	65.2	66.9	67.9	1.0	No	
North Canyons Parkway	East of Collier Canyon Road	50	65.5	66.2	66.1	-0.1	No	
Portola Avenue	West of Isabel Avenue	50	65.6	66.3	66.3	0.0	No	
Portola Avenue	East of Isabel Avenue	50	64.9	67.1	67.9	0.8	No	
Portola Avenue	West of Tranquility Circle	50	64.8	66.7	67.9	1.2	No	
Portola Avenue	East of Tranquility Circle	50	63.9	65.8	67.2	1.3	No	
Portola Avenue	North of E. Airport Blvd	50	65.5	67.0	67.2	0.2	No	
Portola Avenue	South of Intersection w E. Airport	50	66.8	67.9	68.9	0.9	No	
Portola Avenue	West of Murrieta	50	66.8	67.5	68.6	1.1	No	
Portola Avenue	East of Murrieta	50	67.4	68.0	69.0	1.0	No	
Portola Avenue	West of Livermore Avenue	50	67.1	68.1	68.9	0.8	No	
Portola Avenue	East of Livermore Avenue	50	65.4	66.0	66.7	0.7	No	
Collier Canyon Road	North of N Canyons Pkwy	50	60.8	62.9	63.3	0.4	No	



Sandalwood Drive	South of Portola Avenue	50	47.2	47.2	50.8	3.6	No
Tranquility Circle (west of San	North of Portola Avenue (parking	50	49.3	49.3	49.3	0.0	No
Tranquility Circle (west of San	South of Portola Avenue	50	58.6	60.1	59.5	-0.7	No
Airway Boulevard	South of N Canyons Pkwy	50	66.7	68.6	68.7	0.1	No
Airway Boulevard	North of WB ramps	50	67.1	68.9	69.0	0.1	No
Airway Boulevard	South of WB ramps	50	66.0	67.6	67.8	0.2	No
Airway Boulevard	North of EB ramps	50	66.0	67.3	67.3	0.0	No
Airway Boulevard	South of EB ramps	50	64.1	65.8	66.4	0.6	No
Airway Blvd	West of Isabel Ave	50	63.3	64.7	65.6	0.8	No
Sutter Street	South of E. Airway Boulevard	50	52.8	52.8	55.8	3.0	No
Rutan Drive	South of E. Airway Blvd	50	56.6	53.5	54.0	0.6	No
Murrieta Boulevard	North/east of Portola Avenue	50	48.3	48.3	48.3	0.0	No
Murrieta Boulevard	South/west of Portola Avenue	50	63.3	64.1	64.9	0.8	No
Livermore Avenue	North of Portola Avenue	50	66.2	67.4	67.9	0.5	No
Livermore Avenue	South of Portola Avenue	50	64.8	66.0	66.6	0.6	No
Isabel Avenue	North of Portola Avenue	50	62.5	63.9	63.6	-0.3	No
Isabel Avenue	South of Portola Avenue	50	66.0	67.5	68.3	0.8	No
Isabel Avenue	North of WB ramps	50	70.1	73.3	74.5	1.1	No
Isabel Avenue	South of WB ramps	50	70.6	74.1	74.9	0.8	No
Isabel Avenue	North of EB ramps (which are S. c	50	71.8	72.0	73.5	1.5	No
Isabel Avenue	South of EB ramps (which are S. c	50	72.8	71.3	72.9	1.6	No
Isabel Ave	North of Airway Blvd	50	68.9	68.3	69.6	1.3	No
Isabel Ave	South of Airway Blvd	50	69.2	68.8	70.3	1.5	No
Isabel Avenue	No. of Jack London Boulevard	50	68.9	69.7	70.5	0.8	No
Isabel Avenue	So. of Jack London Boulevard	50	68.3	70.0	70.6	0.6	No
Jack London Boulevard	West of Isabel Avenue	50	69.9	71.2	71.7	0.5	No
Jack London Boulevard	East of Isabel Avenue	50	68.0	69.7	69.6	-0.1	No
I-580	From Fallon Road to Airway Blvd	150	80.7	80.8	80.7	0.0	No
I-580	Between Airway Blvd Ramps (unc	150	80.3	80.8	80.6	-0.1	No
I-580	From Airway Blvd to Isabel Avenu	150	80.0	80.8	80.6	-0.2	No
I-580	Between Isabel Avenue Ramps (u	150	80.1	80.9	80.7	-0.1	No
I-580	From Isabel Avenue to North Live	150	80.2	81.0	80.9	0.0	No

**Roadway Segments from Year 2040 With Project Intersection Analysis (segments do not currently exist as named in this analysis). Comprable segments/the segments as currently named were used to determine potential impacts.**

Roadway	Segment Location	Distance (feet)	Existing Land Use Compatibility Guideline (dBA Ldn)	Year 2040 No Project dB Ldn	Year 2040 + Project dB Ldn
North Canyons Parkway	West of Gateway Drive	50	NA	NA	67.3
North Canyons Parkway	East of Gateway Drive	50	NA	NA	65.5
Portola Avenue	West of Road 1	50	NA	NA	65.9
Portola Avenue	East of Road 1	50	NA	NA	65.9
Portola Avenue	West of Road 2	50	NA	NA	65.9
Portola Avenue	East of Road 2	50	NA	NA	66.3
Portola Avenue	West of Main Street	50	NA	NA	66.3
Portola Avenue	East of Main Street	50	NA	NA	66.3
Portola Avenue	West of Montage Drive/Road 3	50	NA	NA	66.3
Portola Avenue	East of Montage Drive/Road 3	50	NA	NA	66.2

Portola Avenue	West of Road 4	50	NA	NA	66.2
Portola Avenue	East of Road 4	50	NA	NA	66.2
Road 2	South of Portola Avenue	50	NA	NA	60.2
E. Airway Boulevard	West of Bart Access	50	NA	NA	66.6
E. Airway Boulevard	East of Bart Access	50	NA	NA	66.5
E. Airway Boulevard	West of Stealth Street	50	NA	NA	66.5
E. Airway Boulevard	East of Stealth Street	50	NA	NA	65.8
Rutan Drive	North of E. Airway Blvd (DNE)	50	NA	NA	60.8
Bart Access Road	North of E. Airway Boulevard	50	NA	NA	61.9
BART Access & E. Airway Boul	South of E. Airway Boulevard	50	NA	NA	60.1
Isabel Avenue	North of INP Road	50	NA	NA	67.1
Isabel Avenue	South of INP Road	50	NA	NA	68.2
Isabel Avenue	North of BART Parking Road/Access	50	NA	NA	68.2
Isabel Avenue	South of BART Parking Road/Access	50	NA	NA	73.9
BART Parking Road/Access (North)	West of Isabel Avenue	50	NA	NA	62.5
Road 1	North of Portola Avenue	50	NA	NA	43.5
Main Street	North of Portola Avenue	50	NA	NA	43.5
Road 4	North of Portola Avenue	50	NA	NA	43.5
Sandalwood Drive	North of Portola Avenue (DNE)	50	NA	NA	43.5
Stealth Street	North of E. Airway Boulevard	50	NA	NA	43.5
Sutter Street	North of E. Airway Boulevard (DNE)	50	NA	NA	43.5
Airway Boulevard	North of N Canyons Pkwy (DNE)	50	NA	NA	44.5
E. Airway Boulevard	East of Portola Avenue (DNE)	50	NA	NA	44.5
Road 4	South of Portola Avenue	50	NA	NA	48.5
Road 1	South of Portola Avenue	50	NA	NA	50.8
INP Road	East of Isabel Avenue	50	NA	NA	52.9
Main Street	South of Portola Avenue	50	NA	NA	53.2
BART Parking Road/Access (North)	East of Isabel Avenue	50	NA	NA	55.8
Gateway Drive	South of North Canyons Parkway	50	NA	NA	56.8
Road 2	North of Portola Avenue	50	NA	NA	57.2
Montage Drive/Road 3	North of Portola Avenue	50	NA	NA	57.3
Gateway Drive	North of North Canyons Parkway	50	NA	NA	57.9
Stealth Street	South of E. Airway Boulevard	50	NA	NA	58.8
Montage Drive/Road 3	South of Portola Avenue	50	NA	NA	59.6
INP Road	West of Isabel Avenue	50	NA	NA	59.8

**Comparison of No-Project to With-Project noise levels**

Roadway	Segment Location (Year 2040 + Project Nomenclature)	Segment Location (Existing/Year 2040 No Project Nomenclature)							
Portola Avenue	East of Road 2	East of Collier Canyon	50	NA	NA	66.2	66.3	0.0	No
Portola Avenue	West of Main Street	East of Collier Canyon	50	NA	NA	66.2	66.3	0.0	No
Portola Avenue	East of Main Street	East of Collier Canyon	50	NA	NA	66.2	66.3	0.0	No
Portola Avenue <sup>a</sup>	East of Montage Drive/Road 3	West of Isabel Avenue	50	NA	NA	66.3	66.2	-0.1	No
Portola Avenue	West of Montage Drive/Road 3	West of Isabel Avenue	50	NA	NA	66.3	66.3	0.0	No
Isabel Avenue	North of INP Road	South of Portola	50	NA	NA	67.5	67.1	-0.4	No
Isabel Avenue	South of INP Road	South of Portola	50	NA	NA	67.5	68.2	0.6	No
Isabel Avenue	North of BART Parking Road/Access	South of Portola	50	NA	NA	67.5	68.2	0.6	No
Isabel Avenue	South of BART Parking Road/Access	North of EB ramps	50	NA	NA	72.0	73.9	2.0	No
North Canyons Parkway	West of Gateway Drive	West of Collier Canyon	50	C	70	66.9	67.3	0.4	No

North Canyons Parkway	East of Gateway Drive	West of Collier Canyon	50	C	70	66.9	65.5	-1.4	No
Portola Avenue	West of Road 1	East of Collier Canyon	50	C	70	66.2	65.9	-0.3	No
Portola Avenue	East of Road 1	East of Collier Canyon	50	C	70	66.2	65.9	-0.3	No
Portola Avenue	West of Road 2	East of Collier Canyon	50	C	70	66.2	65.9	-0.3	No
Portola Avenue <sup>b</sup>	West of Road 4	West of Isabel Avenue	50	SFR	60	66.3	66.2	-0.1	No
Portola Avenue <sup>c</sup>	East of Road 4	West of Isabel Avenue	50	MFR	65	66.3	66.2	-0.1	No
E. Airway Boulevard	East of Bart Access	West of Sutter Street	50	C	70	61.5	66.5	4.9	No
E. Airway Boulevard	West of Stealth Street	East of Rutan	50	C/I	70	62.2	66.5	4.3	No
E. Airway Boulevard	East of Stealth Street	West of Sutter Street	50	C/I	70	61.5	65.8	4.2	No

**Summary of Noise Land Use Compatibility Analysis - Significant Impacts**

Roadway	Segment Location	Future Land Use Type	Land Use Compatibility Guideline (dBA Ldn) for Future Uses	Year 2040 + Project dB Ldn	Exceedence of Compatibility Standard?
North Canyons Parkway	West of Gateway Drive	SFR/C	60/70	67.3	Yes
North Canyons Parkway	East of Gateway Drive	SFR	60	65.5	Yes
North Canyons Parkway	West of Collier Canyon Road	SFR	60	67.9	Yes
North Canyons Parkway	East of Collier Canyon Road	SFR	60	66.1	Yes
Portola Avenue	West of Road 1	SFR/MFR	60/65	65.9	Yes
Portola Avenue	East of Road 1	SFR/MFR	60/65	65.9	Yes
Portola Avenue	West of Road 2	SFR/MFR	60/65	65.9	Yes
Portola Avenue	East of Road 2	SFR/MFR	60/65	66.3	Yes
Portola Avenue	West of Main Street	SFR/MFR	60/65	66.3	Yes
Portola Avenue	East of Main Street	SFR/MFR	60/65	66.3	Yes
Portola Avenue	West of Montage Drive/Road 3	SFR/MFR	60/65	66.3	Yes
Portola Avenue	East of Montage Drive/Road 3	SFR/MFR	60/65	66.2	Yes
Portola Avenue	West of Road 4	SFR/MFR	60/65	66.2	Yes
Portola Avenue	East of Road 4/West of Isabel	MFR	65	66.2	Yes
Portola Avenue	West of Tranquility Circle	SFR	60	67.9	Yes
Portola Avenue	East of Tranquility Circle	SFR	60	67.2	Yes
Portola Avenue	North of E. Airway Blvd	SFR	60	67.2	Yes
Portola Avenue	South of Intersection w E. Airport Blvd	SFR	60	68.9	Yes
Portola Avenue	West of Murrieta	SFR	60	68.6	Yes
Portola Avenue	East of Murrieta	SFR	60	69.0	Yes
E. Airway Boulevard	East of Bart Access	MFR	65	66.5	Yes
E. Airway Boulevard	West of Stealth Street	MFR	65	66.5	Yes
E. Airway Boulevard	East of Stealth Street	SFR	60	65.8	Yes
E. Airway Boulevard	West/N of Portola Avenue	SFR	60	66.3	Yes
BART Access & E. Airway Boulevard	South of E. Airway Boulevard	SFR	60	60.1	Yes
Isabel Avenue	North of Portola Avenue	SFR	60	63.6	Yes
Isabel Avenue	South of Portola Avenue	SFR	60	68.3	Yes
Isabel Avenue	North of INP Road	SFR	60	67.1	Yes
Isabel Avenue	South of INP Road	MFR	65	68.2	Yes
Isabel Avenue	North of BART Parking Road/Access (North)	MFR	65	68.2	Yes
Isabel Avenue	South of BART Parking Road/Access (North)	C	70	73.9	Yes
Isabel Avenue	North of WB ramps	C	70	74.5	Yes
Collier Canyon Road	North of N Canyons Pkwy	SFR	60	63.3	Yes
I-580	From Isabel Avenue to North Livermore Avenue	SFR/MFR	60/65/70	80.9	Yes

Notes: SFR = Single-Family Residential, MFR = Multi-Family Residential, C = Commerical, Buisness or Office, NA = no currently developed sensitive use located along this segment. In areas where multiple uses are located along a single segment, the most stringent (aka 60 dBA Ldn) standard applies.

Note: In some cases, two segments represent the same roadway segment, but traffic volumes at each end of the roadway segment are different as a result of driveway access between the two intersections that is not specifically addressed in the traffic analysis.

Summary of Noise Land Use Compatibility Analysis - Existing and Year 2040 Segment nomenclature

Future Land Use Type	Land Use Compatibility Guideline (dBA Ldn) for Future Uses
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Year 2040 + Project dB Ldn	Excess of Threshold
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*Existing roadways, which were all already analyzed, according to the "existing" table.*

North Canyons Parkway	West of Collier Canyon Road	SFR	60	67.9	Yes
North Canyons Parkway	East of Collier Canyon Road	SFR/MFR	60	66.1	Yes
Portola Avenue	West of Tranquility Circle	SFR	60	67.9	Yes
Portola Avenue	East of Tranquility Circle	SFR	60	67.2	Yes
Portola Avenue	North of E. Airport Blvd	SFR	60	67.2	Yes
Portola Avenue	South of Intersection w E. Airport Blvd	SFR	60	68.9	Yes
Portola Avenue	West of Murrieta	SFR	60	68.6	Yes
Portola Avenue	East of Murrieta	SFR	60	69.0	Yes
Collier Canyon Road	North of N Canyons Pkwy	SFR	60	63.3	Yes
Tranquility Circle (west of Sandalwood)	South of Portola Avenue	SFR	60	59.5	Yes
Isabel Avenue	North of Portola Avenue	SFR	60	63.6	Yes
Isabel Avenue	South of Portola Avenue	SFR	60	68.3	Yes
Isabel Avenue	North of WB ramps	C	70	74.5	Yes
I-580	From Isabel Avenue to North Livermore Avenue	SFR/MFR/C	60	80.9	Yes
Tranquility Circle (west of Sandalwood)	South of Portola Avenue	SFR	60	59.5	NO
Sandalwood Drive	South of Portola Avenue	SFR	60	50.8	NO
Sutter Street	South of E. Airway Boulevard	SFR	60	55.8	NO
Murrieta Boulevard	North/east of Portola Avenue	NA		48.3	NO
North Canyons Parkway	West of Airway Boulevard	C	70	66.5	NO
North Canyons Parkway	East of Airway Boulevard	C	70	69.1	NO
Portola Avenue	West of Isabel Avenue	Come back		66.3	NO
Portola Avenue	East of Isabel Avenue	Park	70	67.9	NO
Portola Avenue	West of Livermore Avenue	NA		68.9	NO
Portola Avenue	East of Livermore Avenue	NA		66.7	NO
Tranquility Circle (west of Sandalwood)	North of Portola Avenue (parking lot)	Park	70	49.3	NO
Airway Boulevard	South of N Canyons Pkwy	C	70	68.7	NO
Airway Boulevard	North of WB ramps	C	70	69.0	NO
Airway Boulevard	South of WB ramps	C	70	67.8	NO
Airway Boulevard	North of EB ramps	C	70	67.3	NO
Airway Boulevard	South of EB ramps	C	70	66.4	NO
Airway Blvd	West of Isabel Ave	C/Park	70	65.6	NO
Rutan Drive	South of E. Airway Blvd	C	70	54.0	NO
Livermore Avenue	North of Portola Avenue	NA	NA	67.9	NO
Livermore Avenue	South of Portola Avenue	NA	NA	66.6	NO
Isabel Avenue	South of WB ramps	C/Park	70	74.9	NO
Isabel Avenue	North of EB ramps (which are S. of I-580)	C/Park	70	73.5	NO
Isabel Avenue	South of EB ramps (which are S. of I-580)	C/Park	70	72.9	NO
Isabel Ave	North of Airway Blvd	C/Park	70	69.6	NO
Isabel Ave	South of Airway Blvd	C	70	70.3	NO

Isabel Avenue	No. of Jack London Boulevard	NA	NA	Outside of Plan Area	70.5 NO
Isabel Avenue	So. of Jack London Boulevard	NA	NA	Outside of Plan Area	70.6 NO
Jack London Boulevard	West of Isabel Avenue	NA	NA	Outside of Plan Area	71.7 NO
Jack London Boulevard	East of Isabel Avenue	NA	NA	Outside of Plan Area	69.6 NO
<b>Murrieta Boulevard</b>	South/west of Portola Avenue	NA	NA	Outside of Plan Area	64.9 NO
I-580	From Fallon Road to Airway Blvd	No Sensitive Uses nearby			80.7 NO
I-580	Between Airway Blvd Ramps (under the overpass)	No Sensitive Uses nearby			80.6 NO
I-580	From Airway Blvd to Isabel Avenue	No Sensitive Uses nearby			80.6 NO
I-580	Between Isabel Avenue Ramps (under the overpass)	No Sensitive Uses nearby			80.7 NO

**Roadway Segments - Year 2040 With Project Segments (which had different nomenclature)**

Screening - anything above 60 looked at more closely.

North Canyons Parkway	West of Gateway Drive	SFR	60		67.3
North Canyons Parkway	East of Gateway Drive	SFR	60		65.5
Portola Avenue	West of Road 1	SFR	60		65.9
Portola Avenue	East of Road 1	SFR	60		65.9
Portola Avenue	West of Road 2	SFR	60		65.9
Portola Avenue	East of Road 2	SFR	60		66.3
Portola Avenue	West of Main Street	SFR	60		66.3
Portola Avenue	East of Main Street	SFR	60		66.3
Portola Avenue	West of Montage Drive/Road 3	SFR	60		66.3
Portola Avenue	East of Montage Drive/Road 3	SFR	60		66.2
Portola Avenue	West of Road 4	SFR	60		66.2
Portola Avenue	East of Road 4	SFR	60		66.2
Road 2	South of Portola Avenue	MFR	65		60.2
E. Airway Boulevard	West of Bart Access	C	70		66.6
E. Airway Boulevard	East of Bart Access	MFR	65		66.5
E. Airway Boulevard	West of Stealth Street	MFR	65		66.5
E. Airway Boulevard	East of Stealth Street	SFR	60		65.8
Rutan Drive	North of E. Airway Blvd (DNE)	C/NA (Bart)	70		60.8
Bart Access Road	North of E. Airway Boulevard	C/NA (Bart)	70		61.9
BART Access & E. Airway Boulevard	South of E. Airway Boulevard	SFR	60		60.1
Isabel Avenue	North of INP Road	SFR/MFR	60		67.1
Isabel Avenue	South of INP Road	MFR	65		68.2
Isabel Avenue	North of BART Parking Road/Access (North)	MFR	65		68.2
Isabel Avenue	South of BART Parking Road/Access (North)	C	70		73.9
BART Parking Road/Access (North)	West of Isabel Avenue	MFR	65		62.5
Road 1	North of Portola Avenue	<i>Less than 60</i>			43.5
Main Street	North of Portola Avenue	<i>Less than 60</i>			43.5
Road 4	North of Portola Avenue	<i>Less than 60</i>			43.5
Sandalwood Drive	North of Portola Avenue (DNE)	<i>Less than 60</i>			43.5
Stealth Street	North of E. Airway Boulevard	<i>Less than 60</i>			43.5
Sutter Street	North of E. Airway Boulevard (DNE)	<i>Less than 60</i>			43.5
Airway Boulevard	North of N Canyons Pkwy (DNE)	<i>Less than 60</i>			44.5
E. Airway Boulevard	East of Portola Avenue (DNE)	<i>Less than 60</i>			44.5
Road 4	South of Portola Avenue	<i>Less than 60</i>			48.5
Road 1	South of Portola Avenue	<i>Less than 60</i>			50.8

INP Road	East of Isabel Avenue	<i>Less than 60</i>	52.9
Main Street	South of Portola Avenue	<i>Less than 60</i>	53.2
BART Parking Road/Access (North)	East of Isabel Avenue	<i>Less than 60</i>	55.8
Gateway Drive	South of North Canyons Parkway	<i>Less than 60</i>	56.8
Road 2	North of Portola Avenue	<i>Less than 60</i>	57.2
Montage Drive/Road 3	North of Portola Avenue	<i>Less than 60</i>	57.3
Gateway Drive	North of North Canyons Parkway	<i>Less than 60</i>	57.9
Stealth Street	South of E. Airway Boulevard	<i>Less than 60</i>	58.8
Montage Drive/Road 3	South of Portola Avenue	<i>Less than 60</i>	59.6
INP Road	West of Isabel Avenue	<i>Less than 60</i>	59.8

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