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**APPENDIX 8-E**  
**NOISE MODELING**

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TRAFFIC NOISE LEVELS FROM EXISTING TRAFFIC  
OrangeLine Alternative Analysis Devonshire

Start Category	End Category	Width FT	Alpha Deg	NUMBER OF VEHICLES			TRAFFIC MIX, %			SPEED, MPH			FEET TO ROAD CENTER			NOISE LEVELS			Severe Impact				
				ADT	PK Hr	Bus ADT	%NIGHT	%NIGHT	TRUCK	HVY	AUTO	TRUCK	TRUCK	TRUCK	TRUCK	TRUCK	TRUCK	TRUCK		TRUCK	TRUCK		
Canoga Rapid Bus	Desoso Rapid Bus	64	120	1642	19840	2	42	14	17.1	1.1	0.1	35	35	35	31	74	64	65	61	0	67	0	No
Mason Rapid Bus	Desoso Rapid Bus	64	120	1192	13636	2	42	14	16.6	1.0	0.1	35	35	35	32	74	63	64	61	0	66	1	Yes
Mason Rapid Bus	Desoso Rapid Bus	64	120	1192	13636	2	42	14	16.6	1.0	0.1	35	35	35	32	74	63	64	61	0	66	1	Yes
Mason Rapid Bus	Desoso Rapid Bus	64	120	1496	15703	2	42	14	16.2	0.6	0.1	35	35	35	32	74	63	64	61	0	66	1	Yes
Mason Rapid Bus	Desoso Rapid Bus	64	120	1933	21530	2	42	14	17.9	2.2	0.2	35	35	35	30	74	65	66	61	0	67	0	No
Mason Rapid Bus	Desoso Rapid Bus	64	120	2108	26435	2	42	14	18.7	2.7	0.3	35	35	35	29	74	66	67	61	0	68	0	No
Mason Rapid Bus	Desoso Rapid Bus	64	120	2015	25423	2	42	14	17.7	1.4	0.2	35	35	35	23	74	65	66	61	0	68	0	No
Mason Rapid Bus	Desoso Rapid Bus	64	120	2018	25600	2	42	14	17.8	1.1	0.1	35	35	35	30	105	63	65	59	0	66	0	No
Mason Rapid Bus	Desoso Rapid Bus	64	120	2118	27469	2	42	14	19.4	1.1	0.1	35	35	35	29	79	65	67	61	0	68	0	No
Mason Rapid Bus	Desoso Rapid Bus	64	120	1876	23126	2	42	14	19.7	1.2	0.1	35	35	35	30	74	65	67	61	0	68	0	No
Mason Rapid Bus	Desoso Rapid Bus	64	120	2067	28214	2	42	14	18.9	1.6	0.2	35	35	35	29	74	65	67	61	0	68	0	No
Mason Rapid Bus	Desoso Rapid Bus	64	120	2067	28214	2	42	14	18.9	1.5	0.2	35	35	35	30	79	65	67	61	0	68	0	No
Mason Rapid Bus	Desoso Rapid Bus	64	120	1878	24487	2	42	14	19.1	1.8	0.2	35	35	35	30	74	65	67	61	0	68	0	No
Mason Rapid Bus	Desoso Rapid Bus	64	120	1861	24436	2	42	14	19	1.9	0.2	35	35	35	30	74	65	67	61	0	68	0	No
Mason Rapid Bus	Desoso Rapid Bus	64	120	1839	26594	2	42	14	22.7	1.9	0.2	35	35	35	29	74	65	68	61	0	68	0	No
Mason Rapid Bus	Desoso Rapid Bus	64	120	2025	26377	2	42	14	18.1	1.4	0.2	35	35	35	30	74	65	67	61	0	68	0	No
Mason Rapid Bus	Desoso Rapid Bus	64	120	1277	13630	2	42	14	15.3	1.3	0.1	35	35	35	32	74	63	64	61	0	66	0	Yes
Mason Rapid Bus	Desoso Rapid Bus	64	120	663	6792	2	42	14	16.4	1.5	0.2	35	35	35	32	74	60	61	61	0	64	0	Yes
Mason Rapid Bus	Desoso Rapid Bus	64	120	663	6792	2	42	14	16.4	1.5	0.2	35	35	35	32	74	60	61	61	0	64	0	Yes
Mason Rapid Bus	Desoso Rapid Bus	64	120	903	9158	2	42	14	16	1.5	1.6	35	35	35	32	74	62	63	61	0	65	0	Yes
Mason Rapid Bus	Desoso Rapid Bus	64	120			2	42	14	22	0	0.0	0.0	0.0	0.0	32	74	47	47	30	2	30	2	No

TRAFFIC NOISE LEVELS FROM EXISTING TRAFFIC  
OrangeLine Alternative Analysis

One lane of traffic

Start	End	Category	Width FT	Alpha Deg	NUMBER OF VEHICLES			TRAFFIC MIX, %			SPEED, MPH			FEET TO ROAD CENTER			PREDICTED A-WEIGHTED NOISE LEVELS			Total Ldn	Severe Impact
					ADT	PEAK HOUR	ADT	%NIGHT	NIGHT:RUCKS	HVY	MED	TRUCK	AUTO	TRUCK	TRUCK	TRUCK	TRUCK	TRUCK	TRUCK		
Van Nuys	Hazeltine	2	24	120	170	4300	6	82	14	16.8	2.2	0.3	35	27	27	46	57	63	62	66	No
Rapid Bus	Hazeltine	2	24	120	170	4300	6	104	22	0	0.0	0.0	35	27	35	46	52	63	94	17	No
Van Nuys	Hazeltine	2	24	120	170	4300	6	82	14	16.8	2.2	0.3	35	27	27	126	53	59	58	61	No
Rapid Bus	Hazeltine	2	24	120	170	4300	6	104	22	0	0.0	0.0	35	27	35	126	48	64	63	67	No
Hazeltine	Woodman	2	24	120	170	4300	6	82	14	19.3	1.2	0.1	35	27	27	46	57	63	62	66	No
Rapid Bus	Woodman	2	24	120	170	4300	6	104	22	0	0.0	0.0	35	27	35	46	52	111	1	1	No
Hazeltine	Woodman	2	24	120	170	4300	6	82	14	19.3	1.2	0.1	35	27	27	126	52	59	58	61	No
Rapid Bus	Woodman	2	24	120	170	4300	6	104	22	0	0.0	0.0	35	27	35	126	48	64	63	67	No
Woodman	Fullton	2	24	120	270	4300	6	82	14	17.2	1.2	0.1	35	27	27	46	58	63	62	65	No
Rapid Bus	Fullton	2	24	120	270	4300	6	104	22	0	0.0	0.0	35	27	35	46	52	63	62	65	No
Woodman	Fullton	2	24	120	270	4300	6	82	14	17.2	1.2	0.1	35	27	27	126	54	58	58	61	No
Rapid Bus	Fullton	2	24	120	270	4300	6	104	22	0	0.0	0.0	35	27	35	126	48	64	63	67	No
Fullton	ColdwaterCyn	2	24	120	270	4300	6	82	14	17.2	2.3	0.3	35	27	35	36	60	64	63	67	No
Rapid Bus	ColdwaterCyn	2	24	120	270	4300	6	104	22	0	0.0	0.0	35	27	35	36	60	64	63	67	No
Fullton	ColdwaterCyn	2	24	120	270	4300	6	82	14	17.2	2.3	0.3	35	27	27	116	55	59	58	62	No
Rapid Bus	ColdwaterCyn	2	24	120	270	4300	6	104	22	0	0.0	0.0	35	27	35	116	48	65	64	68	No
ColdwaterCyn	Whitsett	3	24	120	354	4300	6	82	14	20.6	1.7	0.2	35	27	37	46	60	63	62	66	No
Rapid Bus	Whitsett	3	24	120	354	4300	6	104	22	0	0.0	0.0	35	27	35	46	52	35	8	8	No
ColdwaterCyn	Whitsett	3	24	120	354	4300	6	82	14	20.6	1.7	0.2	35	27	27	126	55	59	58	61	No
Rapid Bus	Whitsett	3	24	120	354	4300	6	104	22	0	0.0	0.0	35	27	35	126	48	65	63	67	No
Whitsett	Laurel Cyn	2	24	120	332	4300	5	82	14	20.1	1.9	0.2	35	27	27	46	59	63	62	66	No
Rapid Bus	Laurel Cyn	2	24	120	332	4300	5	104	22	0	0.0	0.0	35	27	35	46	52	7	31	31	No
Whitsett	Laurel Cyn	2	24	120	332	4300	5	82	14	20.1	1.9	0.2	35	27	27	126	55	59	58	61	No
Rapid Bus	Laurel Cyn	2	24	120	332	4300	5	104	22	0	0.0	0.0	35	27	35	126	48	68	63	67	No
Laurel Cyn	Colfax	2	24	120	393	4300	5	82	14	16.3	2.1	0.2	35	27	27	46	60	63	62	65	No
Rapid Bus	Colfax	2	24	120	393	4300	5	104	22	0	0.0	0.0	35	27	35	46	52	7	39	39	No
Laurel Cyn	Colfax	2	24	120	393	4300	5	82	14	16.4	2.1	0.2	35	27	27	126	56	59	58	61	No
Rapid Bus	Colfax	2	24	120	393	4300	5	104	22	0	0.0	0.0	35	27	35	126	48	64	63	67	No
Colfax	Redline	2	24	120	457	4300	5	82	14	15.6	1.5	0.2	35	27	27	46	61	63	62	65	No
Rapid Bus	Redline	2	24	120	457	4300	5	104	22	0	0.0	0.0	35	27	35	46	52	4	1	1	No
Colfax	Redline	2	24	120	457	4300	5	82	14	15.6	1.5	0.2	35	27	27	126	56	58	58	61	No
Rapid Bus	Redline	2	24	120	457	4300	5	104	22	0	0.0	0.0	35	27	35	126	48	64	63	67	No

TRAFFIC NOISE LEVELS FROM EXISTING TRAFFIC  
OrangeLine Alternative Analysis  
Burbank

Start	End	Category	Width FT	Alpha Deg	NUMBER OF VEHICLES				ADT	PK Hr	Bus ADT	TRAFFIC MIX, %			SPEED, MPH			FEET TO ROAD CENTER			Total Ldn	Severe Impact
					Peak Hour	ADT	%Night	NIGHT				RUCKS MED	HVY	AUTO	TRUCK	Leq	Bus Ldn	Noise Levels	Impact			
Lindley	White Oak	2	60	120	2005	21981	8	183	14	15.7	2.6	0.3	35	35	30	58	67	68	63	69	No	No
Rapid Bus	White Oak	2	60	120	1992	17384	6	204	14	12.1	1.7	0.2	35	35	30	58	66	67	63	68	Yes	No
Rapid Bus	Louise	2	60	120	3104	18309	8	183	14	12.5	2.1	0.2	35	35	30	58	67	67	63	69	Yes	No
Rapid Bus	Balboa	2	60	120	3073	33282	8	183	14	14.3	1.9	0.2	35	35	30	58	68	69	63	70	No	No
Rapid Bus	Woodley	2	60	120	3782	22721	8	183	14	16.7	2.2	0.2	35	35	29	58	69	68	63	69	No	No
Rapid Bus	I-405	2	60	120	3782	22721	6	204	22	0	0.0	0.0	35	35	29	58	50	50	50	50	No	No
Rapid Bus	Sepulveda	2	60	120	3020	35564	2	37	16	18.2	1.5	0.2	35	35	28	58	68	68	63	69	No	No
Rapid Bus	Kester	2	60	120	33378	22996	2	183	14	18.8	1.7	0.2	35	35	28	58	68	69	62	70	No	No
Rapid Bus	Van Nuys	2	60	120	1952	21826	6	204	22	0	0.0	0.0	35	35	30	58	66	71	63	71	No	No
Rapid Bus	Hazeltine	2	60	120	1873	21826	2	183	14	16.1	1.8	0.2	35	35	30	58	66	68	63	69	No	No
Rapid Bus	Woodman	2	60	120	1916	33392	2	183	14	15.1	1.8	0.2	35	35	30	58	66	68	63	69	No	No
Rapid Bus	Fulton	2	60	120	1626	17486	6	204	22	0	0.0	0.0	35	35	30	58	50	50	50	50	No	No
Rapid Bus	Coldwater	2	60	120	1921	22707	6	204	22	0	0.0	0.0	35	35	31	58	65	67	63	69	Yes	No
Rapid Bus	Whitsett	2	60	120	1789	20784	2	183	14	14.4	1.7	0.2	35	35	30	58	66	68	63	69	Yes	No
Rapid Bus	Laurel	2	60	120	1705	19225	2	27	26	22.7	1.6	0.2	35	35	32	58	66	68	63	69	Yes	No
Rapid Bus	Colfax	2	60	120	677	7885	2	27	26	8.9	1.3	0.1	35	31.5	27	58	61	61	65	67	Yes	Yes
Rapid Bus	Lankershim	2	60	120	1298	6893	2	183	14	20.5	1.8	0.2	35	31.75	27	58	64	65	65	68	Yes	No
Rapid Bus	Redline	2	60	120	1298	6893	6	204	22	0	0.0	0.0	35	31.75	40	58	52	52	52	52	Yes	No

TRAFFIC NOISE LEVELS FROM EXISTING TRAFFIC  
 OrangeLine Alternative Analysis Laurel Canyon

Start	End	Category	WIDTH FT	ALPHA DEG	NUMBER OF VEHICLES				ADT	PK Hr	Bus ADT	%NIGHT	TRAFFIC MIX, %			HVY	AUTO	TRUCK	BUS	FEET TO ROAD CENTER		NOISE LEVELS		Total Ldn	Severe Impact
					Peak Hour	ADT	ADT	Bus ADT					NIGHT TRUCKS	Med	Trucks					Leq	Ldn	Bus Ldn	Impact		
Ventura	Moorepark	2	60	120	2666	36670	5	94	6	204	15	20.7	1.7	0.2	35	35	35	27	45	69	71	64	72	No	
Moorepark	Riverside	2	60	120	2955	39761	5	94	6	204	15	19.1	1.6	0.2	35	35	35	23	45	69	71	64	72	No	
Riverside	Magnolia	2	60	120	2238	26200	5	94	6	204	22	12.6	1.7	0.2	35	35	35	28	45	68	69	64	70	Yes	
Magnolia	Burbank	2	60	120	2399	30831	5	94	6	204	22	17	1.5	0.2	35	35	35	29	45	68	70	64	71	No	
Burbank	Ornard	2	60	120	2137	23254	7	61	6	204	19	13.2	1.8	0.2	35	35	35	29	45	68	69	64	70	Yes	
Ornard	Victory	2	60	120	2340	23406	7	61	6	204	19	13.3	2.0	0.2	35	35	35	29	45	68	69	64	70	Yes	
Victory	Vanowen	2	60	120	1919	22754	7	61	6	204	22	14.9	2.1	0.2	35	35	35	24	45	68	69	64	70	Yes	
Vanowen	ShermanWay	2	60	120	1667	17298	7	61	6	204	22	13.2	1.7	0.2	35	35	35	29	45	67	67	64	69	Yes	
ShermanWay	Saticoy	2	60	120	869	9295	7	61	6	204	19	17	1.6	0.2	35	35	35	32	45	64	65	64	68	Yes	
Saticoy	Strathern	2	60	120	1532	17117	7	61	6	204	22	15.9	1.5	0.2	35	35	35	32	45	66	67	64	68.9523	Yes	
Strathern	Roscoe	2	60	120	1163	12222	7	61	6	204	22	14.1	2.9	0.3	35	35	35	32	45	59	60	58	62	No	
Roscoe	Webb	2	60	120	379	3618	5	94	6	204	15	11.6	1.6	0.2	35	35	35	32	45	61	63	64	66	Yes	
Webb	Skelton	2	60	120	379	3618	5	94	6	204	15	11.6	1.6	0.2	35	35	35	32	70	58	60	61	64	Yes	
Skelton	Ebranford	2	60	120	1111	9788	5	94	6	204	22	23	1.0	0.1	35	35	35	31	70	62	64	61	66	Yes	
Ebranford	Osborne	2	60	120	1111	9788	5	94	6	204	15	23	1.4	0.2	35	35	35	31	70	63	64	61	66	Yes	
Osborne	Bella	2	60	120	1164	10250	5	94	6	204	15	15.5	0.9	0.1	35	35	35	32	70	63	63	61	65	Yes	
Bella	VamNuys	2	60	120	842	7157	5	94	6	204	15	22.9	0.9	0.1	35	35	35	32	70	61	63	61	65	Yes	
VamNuys	Rapid Bus	2	60	120			6	204	6	204	22	0	0.0	0.0	35	35	35	32	70	47	187	22		No	

TRAFFIC NOISE LEVELS FROM EXISTING TRAFFIC  
OrangeLine Alternative Analysis Roscoe

Start	End	Category	Width FT	Alpha Deg	NUMBER OF VEHICLES			TRAFFIC MIX, %			SPEED, MPH			FEET TO ROAD CENTER			NOISE LEVELS			Total Ldn	Impact	Severe Impact
					Peak Hour	ADT	Bus ADT	Night	Med	Ruck	Auto	Truck	Bus	Leq	Ldn	Bus Ldn						
Troyanga Rapid Bus	Canoga	2	84	120	2257	29210	8	137	22	19.1	0.9	0.1	35	35	29	66	66	69	70	No	No	
Canoga Rapid Bus	Desoto	2	72	120	2075	26876	8	137	22	19.4	1.5	0.2	35	35	29	66	66	68	69	No	No	
Desoto Rapid Bus	Mason	2	84	120	3018	39130	8	137	22	19.3	1.4	0.2	35	35	30	66	66	71	71	No	No	
Mason Rapid Bus	Winnetka	2	84	120	3220	41916	8	137	22	19.6	2.1	0.2	35	35	30	60	60	71	72	No	No	
Winnetka Rapid Bus	Corbin	2	72	120	3257	42192	8	137	22	18.7	1.6	0.2	35	35	29	61	68	70	71	No	No	
Corbin Rapid Bus	Tampa	2	84	120	3881	51279	8	137	22	19.3	1.5	0.2	35	35	27	61	69	71	72	No	No	
Tampa Rapid Bus	Wilbur	2	84	120	3839	48999	8	137	22	18	1.5	0.2	35	35	27	60	69	71	72	No	No	
Wilbur Rapid Bus	Reseda	2	84	120	3110	38234	8	137	22	18.2	1.4	0.2	35	35	27	60	68	70	71	No	No	
Reseda Rapid Bus	Lindley	2	84	120	3820	44781	8	137	22	16.5	1.9	0.2	35	35	28	60	68	75	76	Yes	No	
Lindley Rapid Bus	Reseda	2	84	120	3820	44781	8	137	22	16.5	1.9	0.2	35	35	28	40	44	54	5	8	No	
Reseda Rapid Bus	Lindley	2	84	120	4036	49399	8	137	22	16.9	1.7	0.2	35	35	27	60	70	68	62.5	69	No	
Lindley Rapid Bus	White Oak	2	84	120	3104	44392	8	137	22	17.5	1.9	0.2	35	35	29	93	66	68	60.5	69	No	
White Oak Rapid Bus	Louise	2	84	120	4052	53552	8	137	22	17.8	1.4	0.2	35	35	27	85	68	69	60.4	70	No	
Louise Rapid Bus	Balboa	2	84	120	3903	46656	8	137	22	16.5	1.2	0.1	35	35	28	60	69	71	62.7	71	No	
Balboa Rapid Bus	Hayvenhurst	2	84	120	3903	46656	8	137	22	16.5	1.2	0.1	35	35	28	60	69	71	62.7	71	No	
Hayvenhurst Rapid Bus	Woodley	2	84	120	3901	46656	8	137	22	16.5	1.2	0.1	35	35	27	60	69	71	62.7	71	No	
Woodley Rapid Bus	I-405	2	84	120	4678	53403	8	137	22	22	2.2	0.0	35	35	26	60	70	72	62.6	72	No	
I-405 Rapid Bus	Sepulveda	2	84	120	2929	28662	8	137	22	26.1	1.6	0.2	35	35	29	60	68	70	63.1	71	No	
Sepulveda Rapid Bus	VanNuys	2	84	120	3149	42231	5	195	21	17.2	1.9	0.2	35	35	30	60	69	71	62.7	72	No	
VanNuys Rapid Bus	Hazleline	2	84	120	3554	45583	5	195	21	17.5	2.2	0.2	35	35	29	60	69	71	63.0	72	No	
Hazleline Rapid Bus	Woodman	2	84	120	4000	50757	5	195	21	17.2	2.3	0.3	35	35	27	60	70	72	62.5	72	No	
Woodman Rapid Bus	ColdwaterCyn	2	84	120	3390	39768	8	137	22	14.2	2.5	0.3	35	35	32	60	69	70	63.9	71	No	
ColdwaterCyn Rapid Bus	Whitsett	2	60	120	1491	19049	8	137	22	14.7	2.4	0.3	35	35	32	60	65	67	63.2	69	Yes	
Whitsett Rapid Bus	LaurelCyn	2	60	120	1277	12679	8	108	19	15.9	2.7	0.3	35	35	32	60	65	66	63.2	68	Yes	
LaurelCyn Rapid Bus	Lankershim	2	60	120	1178	10867	8	108	19	11.8	2.4	0.3	35	35	32	60	64	65	63.2	67	Yes	
Lankershim Rapid Bus	San Fernando	2	60	120			6	204	22	0	0.0	0.0	35	35	32	60	60	0	0	0	No	

TRAFFIC NOISE LEVELS FROM EXISTING TRAFFIC  
OrangeLine Alternative Analysis San Fernando

Start	End	Category	WIDTH FT	ALPHA DEG	PEAK HOUR	NUMBER OF VEHIC			TRAFFIC MIX, %				SPEED, MPH			FBET TO ROAD CENTER			REDICTED A-WEIGHTED NOISE LEVELS			Severe Impact
						ADT	Pk Hr	Bus ADT	%NIGHT	NIGHT TRUCKS	TRUCKS	HVY	AUTO	TRUCK	TRUCK	TRUCK	TRUCK	TRUCK	TRUCK	TRUCK	TRUCK	
Vanover	San Fernando	2	48	120	1958	24501	6	196	19	18	3.7	0.4	35	31	34	70	65	72	No			
Rapid Bus	San Fernando	2	48	120	981	5798	6	204	22	0	0.0	0.0	35	31	34	51	51	51	No			
Rapid Bus	Vineyard/Sunland	2	48	120	981	5798	6	204	22	0	0.0	0.0	35	31	34	51	51	51	No			
Rapid Bus	Vineyard/Sunland	2	48	120	1131	9868	6	204	22	12.2	2.8	0.3	35	32	34	67	68	70	Yes			
Rapid Bus	Roscoe	2	48	120	913	5185	6	204	22	0	0.0	0.0	35	32	34	51	51	51	No			
Rapid Bus	Lankershim	2	48	120	913	5185	6	204	22	0	0.0	0.0	35	32	34	66	67	69	Yes			
Rapid Bus	Sheldon	2	48	120	1432	13657	6	204	22	15	2.1	0.2	35	31	34	68	69	70	Yes			
Rapid Bus	Sheldon	2	48	120	1611	15598	6	204	22	0	0.0	0.0	35	31	34	51	51	51	No			
Rapid Bus	Osborne	2	48	120	1611	15598	6	204	22	0	0.0	0.0	35	32	34	68	70	71	Yes			
Rapid Bus	Bella	2	48	120	1215	13601	6	204	22	17.2	2.2	0.2	35	32	34	67	69	71	Yes			
Rapid Bus	Van Neys	2	48	120	1397	15589	6	204	22	0	0.0	0.0	35	32	34	51	51	51	No			
Rapid Bus	Van Neys	2	48	120	1667	14254	6	204	22	0	0.0	0.0	35	32	34	51	51	51	No			
Rapid Bus	Paxton	2	48	120	1667	14254	6	204	22	13.9	1.5	0.2	35	32	34	67	69	70	Yes			
Rapid Bus	Fox/Brand	2	48	120	654	7461	6	204	22	0	0.0	0.0	35	32	34	51	51	51	No			
Rapid Bus	Fox/Brand	2	48	120	2087	18980	6	204	22	14.5	1.6	0.2	35	32	34	64	67	69	Yes			
Rapid Bus	Mission/Metcley	2	48	120	2087	18980	6	204	22	0	0.0	0.0	35	32	34	51	51	51	No			
Rapid Bus	Mission/Metcley	2	48	120	1952	18401	6	204	22	0	0.0	0.0	35	32	34	69	69	71	Yes			
Rapid Bus	Hubbard	2	48	120	1129	12967	6	204	22	0	0.0	0.0	35	31	34	69	70	71	Yes			
Rapid Bus	Hubbard	2	48	120	1129	12967	6	204	22	0	0.0	0.0	35	31	34	51	51	51	No			
Rapid Bus	San Fernando	2	48	120	1129	12967	6	204	22	18.1	2.5	0.3	35	32	34	67	69	71	Yes			
Rapid Bus	San Fernando	2	48	120	1129	12967	6	204	22	0	0.0	0.0	35	32	34	51	51	51	No			



TRAFFIC NOISE LEVELS FROM EXISTING TRAFFIC  
OrangeLine Alternative Analysis  
Roseda

Start	End	Category	Width	Alpha	NUMBER OF VEHICLES				ADT	PK HR	ADT	TRAFFIC MIX, %			SPEED, MPH			FEET TO ROAD CENTER			Total Ldn	Severe Impact
					ADT	PK HR	ADT	%NIGHT				NIGHT TRUCKS	HVY	AUTO	TRUCK	Leq	Bus Ldn	Bus Ldn	Leq	Bus Ldn		
Ventura Rapid Bus	101	2	60	120	1318	17453	6	151	14	21.4	1.6	0.2	35	31	60	64	68	63	69	No	No	
Onard Rapid Bus	101	2	60	120	2803	35021	6	151	14	24	1.8	0.2	35	31	60	68	70	61	71	No	No	
Onard Rapid Bus	101	2	60	120	2467	36161	6	151	14	22.8	1.8	0.2	35	27	60	67	70	62	71	No	No	
Vanowen Rapid Bus	101	2	60	120	2736	37329	6	151	14	21.4	1.7	0.2	35	29	60	67	70	62	71	No	No	
Vanowen Rapid Bus	101	2	60	120	2490	32464	6	151	14	21.4	1.6	0.2	35	29	60	67	70	62	70	No	No	
ShermanWay Rapid Bus	101	2	60	120	2402	33715	6	151	14	22.5	1.4	0.2	35	28	60	67	70	62	71	No	No	
ShermanWay Rapid Bus	101	2	60	120	2412	32318	6	151	14	22.1	1.4	0.2	35	28	60	67	70	62	70	No	No	
Roscoe Rapid Bus	101	2	60	120	2769	37659	6	151	14	21.3	1.3	0.2	35	26	60	67	70	62	71	No	No	
Roscoe Rapid Bus	101	2	60	120	2395	33488	6	151	14	22	1.2	0.1	35	28	60	67	70	62	70	No	No	
Parthenia Rapid Bus	101	2	60	120	2395	33488	6	151	14	22	1.6	0.2	35	27	60	67	70	62	70	No	No	
Northhoff Rapid Bus	101	2	60	120	2186	31815	6	151	14	21.5	1.7	0.2	35	28	60	66	70	62	70	No	No	
Plummer Rapid Bus	101	2	60	120	1991	24050	6	151	14	20.1	1.2	0.1	35	28	60	66	68	63	69	No	No	
Lassen Rapid Bus	101	2	60	120	1936	27632	6	151	14	21	1.5	1.7	35	30	60	67	70	63	71	No	No	
Lassen Rapid Bus	101	2	60	120			6	204	22	0	0.0	0.0	35	30	60	50	50	60	60	No	No	

TRAFFIC NOISE LEVELS FROM EXISTING TRAFFIC  
OrangeLine Alternative Analysis

Start	End	Category	Width FT	NUMBER OF VEHICLES			TRAFFIC MIX, %			FEET TO ROAD CENTER			PREDICTED A-WEIGHTED NOISE LEVELS			Severe Impact					
				Alpha Deg	Peak Hour	ADT	Night	Trucks	Auto	Truck	Bus	Truck	Auto	Truck	Bus		Leq	Ldn	Total Ldn		
Sequimeda Rapid Bus	Kester	2	78	120	1005	11718	2	37	16	17.6	1.4	35	35	27	60	57	59	57	61	0	No
Rapid Bus	Van Nuys	2	78	120	1076	10588	2	37	16	17.9	1.9	35	35	26	60	64	65	62	67	0	Yes
Rapid Bus	Hazelton	2	78	120	1185	9523	2	37	16	20.1	1.4	35	35	27	60	64	64	62	67	0	Yes
Rapid Bus	Woodman	2	78	120	1334	12356	2	37	16	15.1	2.1	35	35	27	60	65	65	62	67	0	Yes
Rapid Bus	Fullon	2	70	120	1338	9480	2	37	16	16.8	1.5	35	35	27	60	64	64	62	66	37	Yes
Rapid Bus	Coldwater	2	70	120	1677	15656	2	37	16	16.8	2.4	35	35	28	70	65	65	62	67	1	Yes
Rapid Bus	Whitsett	2	78	120	1798	20130	2	37	16	14.3	1.4	35	35	27	70	65	66	62	67	23	Yes
Rapid Bus	Laurel	2	78	120	1197	13121	2	37	16	15.8	1.4	35	35	28	70	63	64	62	66	34	Yes
Rapid Bus	Collfax	2	78	120	1743	22853	2	37	16	20.3	1.6	35	35	26	70	65	67	61	68	17	No
Rapid Bus	Lankershim	2	78	120	1530	20774	2	37	16	20.3	1.5	35	35	28	70	64	67	62	68	68	No
Rapid Bus		2	78	120			2	204	22	0	0.0	35	35	28	70	49	49	62	68	68	No

TRAFFIC NOISE LEVELS FROM EXISTING TRAFFIC  
OrangeLine Alternative Analysis Sherman Way

Start	End	Category	Width FT	Alpha Deg	NUMBER OF VEHICLES				TRAFFIC MIX, %				SPEED, MPH				FEET TO ROAD CENTER				Severe Impact
					ADT	PK HR	Bus	%NIGHT	NIGHT	MED	HVY	TRUCK	AUTO	TRUCK	TRUCK	Auto	Truck	Bus	Leq	Ln	
Topanga Rapid Bus	76	120	2267	22431	2	29	24	18.9	1.4	0.2	35	35	30	92	64	65	61	67	No	No	
Owensmouth Rapid Bus	76	120	2167	22431	2	29	24	18.9	0.9	0.1	35	35	30	92	64	65	61	66	No	No	
Canoga Rapid Bus	76	120	1856	21665	2	29	24	15	1.5	0.2	35	35	31	92	64	65	61	66	Yes	No	
Desoto Rapid Bus	76	120	2748	30531	2	29	24	15.6	1.7	0.2	35	35	30	92	65	66	61	67	No	No	
Mission Rapid Bus	76	120	2748	30531	2	29	24	15.6	2.2	0.2	35	35	30	92	66	66	61	67	No	No	
Winnemka Rapid Bus	76	120	3415	40680	2	29	24	15.9	1.8	0.2	35	35	30	92	48	48	61	67	No	No	
Winnemka Rapid Bus	76	120	3415	40680	2	29	24	15.9	1.8	0.2	35	35	30	90	67	67	61	68	No	No	
Corbin Rapid Bus	76	120	3415	40680	2	29	24	15.9	1.3	0.1	35	35	30	80	67	68	61	69	No	No	
Tampa Rapid Bus	76	120	2263	29240	2	29	24	17.5	1.3	0.1	35	35	29	80	65	67	61	68	No	No	
Willbar Rapid Bus	76	120	2202	28314	2	29	24	17.6	1.4	0.2	35	35	29	80	48	48	61	67	No	No	
Reseda Rapid Bus	76	120	2350	31731	2	29	24	19.1	1.5	0.2	35	35	30	102	64	65	60	67	No	No	
Reseda Rapid Bus	76	120	2604	34868	2	29	24	19.5	1.6	0.2	35	35	30	99	65	67	60	68	No	No	
Lindley Rapid Bus	78	120	3067	36923	2	29	24	18.3	1.8	0.2	35	35	29	80	48	48	61	69	No	No	
White Oak Rapid Bus	78	120	3215	39278	2	29	24	19.2	1.9	0.2	35	35	30	85	67	68	64	70	Yes	No	
Louise Rapid Bus	78	120	2134	29914	2	29	24	21.9	1.9	0.2	35	35	30	80	65	68	61	69	No	No	
Balboa Rapid Bus	78	120	3478	51117	2	29	24	22.2	1.3	0.1	35	35	21	80	67	70	59	70	No	No	
Hayvenhurst Rapid Bus	78	120	2823	48206	2	29	24	26.8	2.1	0.2	35	35	24	80	66	70	60	71	No	No	
Woodley Rapid Bus	78	120	1891	33835	2	29	24	27.7	1.5	0.2	35	35	29	80	64	69	61	69	No	No	
L-405 Rapid Bus	78	120	1928	33052	2	29	24	26.9	1.4	0.2	35	35	29	80	65	69	61	69	No	No	
Sepulveda Rapid Bus	78	120	2542	38437	2	29	24	22.2	2.1	0.2	35	35	25	90	65	68	60	69	No	No	
Kester Rapid Bus	78	120	2132	31119	2	29	24	21.9	2.4	0.3	35	35	25	90	47	47	61	69	No	No	
VanNuys Rapid Bus	78	120	3284	34991	2	29	24	22.4	2.4	0.3	35	35	28	80	65	69	61	69	No	No	
Hazeltine Rapid Bus	78	120	3534	41299	2	29	24	21.9	2.7	0.3	35	35	26	80	68	70	60	70	No	No	
Woodman Rapid Bus	78	120	1958	29252	2	29	24	22.4	2.9	0.3	35	35	29	70	66	69	62	70	No	No	
Fulton Rapid Bus	78	120	2176	33269	2	29	24	23.2	2.3	0.3	35	35	29	80	66	69	61	70	No	No	
Coldwater Rapid Bus	78	120	3645	42111	2	29	24	17.3	2.0	0.2	35	35	31	80	68	69	62	70	No	No	
Whittsett Rapid Bus	78	120	1739	21616	2	29	24	26.3	1.9	0.2	35	35	30	80	64	68	62	69	No	No	
Laurel Rapid Bus	78	120	1379	16344	2	29	24	21.1	1.5	0.2	35	35	32	80	63	66	62	68	Yes	No	
Colfax Rapid Bus	78	120	933	10401	2	29	24	12.6	1.9	0.2	35	35	32	80	62	64	62	66	Yes	No	
Tujunga Rapid Bus	78	120			2	29	24	0.0	0.0	0.0	35	35	32	80	49	49	62	66	Yes	No	
Vineyard Rapid Bus	78	120			2	29	24	0.0	0.0	0.0	35	35	32	80	49	49	62	66	Yes	No	

TRAFFIC NOISE LEVELS FROM EXISTING TRAFFIC  
OrangeLine Alternative Analysis Sepulveda

Start	End	Category	WIDTH FT	ALPHA DEG	NUMBER OF VEHICLES			TRAFFIC MIX, %				SPEED, MPH			FEET TO ROAD CENTER			PREDICTED A-WEIGHTED NOISE LEVELS			Severe Impact
					PEAK HOUR	ADT	ADT	PK Hr	ADT	%NIGHT	NIGHT TRUCKS	MED	HVY	AUTO	TRUCK	BUS	TO ROAD CENTER	Leq	Ln	Bus Ln	
Ventura Rapid Bus	101	2	84	120	2794	25261	7	134	14	10.2	2.4	0.3	35	35	35	28	84.5	66	61	67	No
Magnolia Rapid Bus	101	2	84	120	2440	23088	7	134	14	9.6	2.2	0.2	35	35	35	28	84.5	48	2	7	No
Burbank Rapid Bus	101	2	84	120	1592	17189	7	134	14	10.4	2.2	0.2	35	35	35	29	62	67	63	69	Yes
Burbank Rapid Bus	101	2	84	120	1887	22643	7	134	14	18.4	1.9	0.2	35	35	35	30	62	69	63	70	No
Oxnard Rapid Bus	101	2	84	120	2035	22959	7	134	14	15	2.2	0.2	35	35	35	30	62	67	68	69	Yes
Vanowen Rapid Bus	101	2	84	120	1883	21414	7	134	14	16.9	2.3	0.3	35	35	35	30	84.5	65	61	68	No
ShermanWay Rapid Bus	101	2	84	120	2567	25326	7	134	14	13.8	1.8	0.2	35	35	35	30	84.5	49	62	68	No
Salisbury Rapid Bus	101	2	84	120	1851	16887	7	134	14	11.9	2.1	0.2	35	35	35	31	84.5	66	67	68	No
Roscoe Rapid Bus	101	2	84	120	2602	26973	7	134	14	12.3	1.8	0.2	35	35	35	31	106	65	60	67	No
Parthemia Rapid Bus	101	2	84	120	1685	14493	7	134	14	13.2	1.3	0.1	35	35	35	32	84.5	65	62	67	Yes
Northhoff Rapid Bus	101	2	108	120	2625	24113	7	134	14	14.7	1.2	0.1	35	35	35	32	80	67	63	68	Yes
Plummer Rapid Bus	101	2	108	120	1710	16372	7	134	14	16.3	1.1	0.1	35	35	35	32	80	65	63	68	Yes
Lassen Rapid Bus	101	2	108	120	1919	17481	7	134	14	13.9	1.3	0.1	35	35	35	32	80	65	66	68	Yes
Devonshire Rapid Bus	101	2	108	120	1649	15415	7	134	14	16.8	1.3	0.1	35	35	35	32	80	58	60	62	No
Devonshire Rapid Bus	101	2	108	120	1237	10432	7	134	14	12.2	1.5	0.2	35	35	35	32	80	63	63	67	Yes
Chatsworth Rapid Bus	101	2	108	120			6	204	22	0	0.0	0.0	35	35	35	32	80	50	18	3	No

TRAFFIC NOISE LEVELS FROM EXISTING TRAFFIC  
OrangeLine Alternative Analysis Vanowen

Start	End	Category	Width FT	Alpha Deg	NUMBER OF VEHICLES			TRAFFIC MIX, %			SPEED, MPH			FEET TO ROAD CENTER			Leq	Bus Ldn	Total Ldn	Severe Impact
					Peak Hour	ADT	Bus ADT	%Night	Night	Med	Hvy	Auto	Truck	Bus	Leq	75				
Owensmouth Rapid Bus	Canoga	2	70	120	2492	16083	30	183	14	7.7	1.2	0.1	35	35	27	75	66	61	No	
Canoga Rapid Bus	Desoto	2	70	120	2497	16105	6	204	22	0	0.0	0.0	35	35	27	75	48	0	Yes	
Desoto Rapid Bus	Mason	2	70	120	1623	19356	6	204	22	0	0.0	0.0	35	35	27	75	66	61	Yes	
Mason Rapid Bus	Winnetka	2	70	120	1623	19356	30	183	14	13.9	1.9	0.2	35	35	27	75	65	61	Yes	
Winnetka Rapid Bus	Corbin	2	70	120	1623	19356	6	204	22	0	0.0	0.0	35	35	27	75	48	0	No	
Corbin Rapid Bus	Tampa	2	65	120	2304	15741	6	204	22	8.1	2.1	0.2	35	35	27	75	65	61	Yes	
Tampa Rapid Bus	Wilbur	2	70	120	2112	13802	30	183	14	12.2	1.7	0.2	35	35	27	69	66	61	No	
Wilbur Rapid Bus	Reseda	2	70	120	2575	17555	6	204	22	10.5	1.2	0.1	35	35	27	75	66	61	No	
Reseda Rapid Bus	Lindley	2	70	120	2286	17431	30	183	14	11.2	1.6	0.2	35	35	27	75	66	61	No	
Lindley Rapid Bus	White Oak	2	70	120	3327	22461	6	204	22	11.5	1.3	0.1	35	35	26	74	66	61	No	
White Oak Rapid Bus	Louise	2	70	120	3483	18468	30	183	14	8.8	1.6	0.2	35	35	27	74	67	61	No	
Louise Rapid Bus	Balboa	2	70	120	3625	20399	6	204	22	8	1.7	0.2	35	35	26	74	68	61	No	
Balboa Rapid Bus	Hayvenhurst	2	70	120	3345	21127	30	183	14	9	1.5	0.2	35	35	25	74	67	61	No	
Hayvenhurst Rapid Bus	Woodley	2	70	120	3971	23633	6	204	22	0	0.0	0.0	35	35	25	74	48	0	No	
Woodley Rapid Bus	I-405	2	70	120	3942	24063	6	204	22	8	1.7	0.2	35	35	25	74	48	0	No	
I-405 Rapid Bus	Sepulveda	2	70	130	3201	21097	30	183	14	8.5	1.8	0.2	35	35	25	74	67	61	No	
Sepulveda Rapid Bus	Kester	2	70	120	3139	21564	6	204	22	8.9	1.5	0.2	35	35	26	74	67	61	No	
Kester Rapid Bus	VantNuys	2	70	120	3598	23060	30	183	14	9.1	1.4	0.2	35	35	26	74	68	61	No	
VantNuys Rapid Bus	Hazekline	2	70	120	3312	22242	6	204	22	0	0.0	0.0	35	35	26	74	48	0	No	
Hazekline Rapid Bus	Woodman	2	70	120	3333	19650	30	183	14	8.2	1.6	0.2	35	35	27	74	68	61	No	
Woodman Rapid Bus	Fulton	2	70	120	3137	16457	6	204	22	6.3	1.7	0.2	35	35	27	74	67	61	Yes	
Fulton Rapid Bus	Coldwater	2	70	120	3459	21948	30	183	14	10.3	1.7	0.2	35	35	27	74	68	61	No	
Coldwater Rapid Bus	Whitsett	2	70	120	3587	21160	6	204	22	7.5	1.6	0.2	35	35	26	74	48	0	No	
Whitsett Rapid Bus	Laurel	2	70	120	2998	19342	6	204	22	9.1	1.7	0.2	35	35	26	74	67	61	No	
Laurel Rapid Bus	Lankershim	2	70	120	2759	13635	30	183	14	4.9	2.5	0.3	35	35	27	74	67	61	Yes	
Lankershim Rapid Bus							6	204	22	0	0.0	0.0	35	35	27	74	48	0	No	

TRAFFIC NOISE LEVELS FROM EXISTING TRAFFIC  
OrangeLine Alternative Analysis Van Nuys

Start	End	Category	Width FT	Alpha Deg	NUMBER OF VEHICLES			TRAFFIC MIX, %			FEET TO ROAD CENTER			PREDICTED A-WEIGHTED NOISE LEVELS			Severe Impact						
					Peak Hour	ADT	Bus ADT	PK Hr	ADT	%Night	Med	Med	Med	Leq	Leq	Leq		Bus Ldn	Total Ldn	Impact			
Ventura Rapid Bus	SR 101	2	60	120	2987	38924	5	190	12	18.9	1.7	0.2	35	28	48	69	71	63	72	No	No		
SR 101 Rapid Bus	Magnolia	2	60	120	2234	31421	5	190	12	19.7	2.3	0.3	35	28	48	68	71	63	72	No	No		
Magnolia Rapid Bus	Burbank	2	60	120	2918	33170	5	190	12	15.5	2.2	0.2	35	30	48	69	71	64	72	No	No		
Burbank Rapid Bus	Oxnard	2	60	120	2439	25896	6	204	22	0	0.0	0.0	35	30	48	51				No	No		
Oxnard Rapid Bus	Victory	2	60	120	2910	26540	6	204	22	0	0.0	0.0	35	31	48	51				No	No		
Victory Rapid Bus	Vanswren	2	72	120	2462	23560	5	403	15	13.1	1.8	0.2	35	31	48	51				No	No		
Vanswren Rapid Bus	Shermanway	2	72	120	2319	26839	5	403	15	15.1	1.7	0.2	35	31	48	69	71	65	72	No	No		
Shermanway Rapid Bus	Saticoy	2	72	120	1509	26041	8	342	13	14.2	1.7	0.2	35	31	48	69	71	65	72	No	No		
Saticoy Rapid Bus	Roscoe	2	72	120	3114	34173	8	342	13	14.9	1.6	0.2	35	30	48	70	72	65	72	No	No		
Roscoe Rapid Bus	Parthenia	2	72	120	2867	31164	8	342	13	15.6	1.9	0.2	35	31	48	69	72	65	73	No	No		
Parthenia Rapid Bus	Northhoff	2	60	120	2401	30936	6	204	22	0	0.0	0.0	35	31	48	52				No	No		
Northhoff Rapid Bus	Plummer	2	60	120	2207	19952	8	159	12	17.1	2.0	0.2	35	29	60	67	69	62	70	No	No		
Plummer Rapid Bus	Woodman	2	60	120	2333	25389	8	159	12	11.1	1.4	0.2	35	31	60	66	68	63	69	Yes	No		
Woodman Rapid Bus	Canterbury	2	60	120	2185	26210	8	159	12	18.2	1.4	0.2	35	30	60	66	69	63	70	No	No		
Canterbury Rapid Bus	Arleta	2	60	120	2342	30792	8	159	12	18.4	1.4	0.2	35	30	60	67	68	63	69	No	No		
Arleta Rapid Bus	I-5	2	60	120	2317	29708	8	159	12	14	1.6	0.2	35	27	60	67	67	62	68	No	No		
I-5 Rapid Bus	Laurel Coyne	2	60	120	1796	22056	8	159	12	11	1.4	0.2	35	31	60	66	67	63	69	Yes	No		
Laurel Coyne Rapid Bus	Telfair	2	60	120	1418	16315	8	159	12	12.8	1.4	0.2	35	32	60	65	67	63	68	Yes	No		
Telfair Rapid Bus	San Fernando	2	60	120	1418	16315	8	159	12	21	1.3	0.1	35	31	60	65	67	63	69	Yes	No		
San Fernando Rapid Bus	Glenoaks	2	60	120	507	3668	8	159	12	21	1.3	0.1	35	32	60	60	64	63	67	Yes	No		
Glenoaks Rapid Bus	Foothill	2	60	120	192	1445	8	159	12	21	1.3	0.1	35	32	60	57	63	63	66	Yes	No		
Foothill Rapid Bus		2	60	120			6	204	22	0	0.0	0.0	35	35	60	50				43	12	No	No

Moderate  
SF MF



TRAFFIC NOISE LEVELS FROM EXISTING TRAFFIC  
OrangeLine Alternative Analysis Topanga Canyon

Start	End	Category	WIDTH FT	ALPHA DEG	NUMBER OF VEHICLES				TRAFFIC MIX, %				FEET TO ROAD CENTER			PREDICTED A-WEIGHTED NOISE LEVELS			Total Ldn	Severe Impact		
					ADT	PEAK HOUR	ADT	PK Hr	ADT	Bus	%NIGHT	NIGHT TRUCKS	MED	HVY	SPEED, MPH	TRUCK	BUS	Leq			Ldn	Bus Ldn
Victory Rapid Bus	VanOwen	2	60	120	3219	47624	3	14	21	21.3	2.9	0.3	35	35	23	58	69	71.3	58.1	71.5	No	No
VanOwen Rapid Bus	VanOwen	2	60	120	2594	34536	3	14	21	19.5	2.7	0.3	35	35	28	58	68	69.7	59.5	70.1	No	No
ShermanWay Rapid Bus	ShermanWay	2	60	120	2614	38128	3	14	21	21.5	1.3	0.1	35	35	26	58	67	69.8	59.1	70.1	No	No
ShermanWay Rapid Bus	ShermanWay	2	60	120	2167	31814	3	14	21	22.8	1.8	0.2	35	35	26	58	67	70.2	59.1	70.5	No	No
ShermanWay Rapid Bus	ShermanWay	2	60	120	2888	42017	3	14	21	22.1	1.8	0.2	35	35	26	58	68	70.5	59.2	70.8	No	No
Parthenia Rapid Bus	Parthenia	2	60	120	2333	32553	3	14	21	20.5	1.5	0.2	35	35	25	58	67	69.1	58.7	69.4	No	No
Parthenia Rapid Bus	Parthenia	2	60	120	3004	43687	3	14	21	17.5	1.7	0.2	35	35	27	58	68	69.9	59.3	70.3	No	No
Plummer Rapid Bus	Plummer	2	60	120	2409	32512	4	87	13	20.3	1.8	0.2	35	35	28	58	67	69.5	59.5	69.9	No	No
Plummer Rapid Bus	Plummer	2	60	120	2409	32512	4	87	13	20.3	1.1	0.1	35	35	28	58	67	69.2	59.6	69.7	No	No
Plummer Rapid Bus	Plummer	2	60	120	2409	32512	6	104	22	0	0.0	0.0	35	35	28	58	58	50				







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**APPENDIX 8-F  
LIST OF PREPARERS**

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