

Appendix 12

Noise Impact Analysis

SOUTH MILLIKEN DISTRIBUTION CENTER

Project No. PLN17-20013

INITIAL STUDY

TRAFFIC NOISE LEVELS AND NOISE CONTOURS - EXISTING

Project Number: 161910
Project Name: South Milliken Distribution Center

Background Information

Model Description: FHWA Highway Noise Prediction Model (FHWA-RD-77-108) with California Vehicle Noise (CALVENO) Emission Levels.
 Source of Traffic Volumes: X
 Community Noise Descriptor: L_{dn}: x CNEL:

Assumed 24-Hour Traffic Distribution:	Day	Evening	Night
Total ADT Volumes	77.70%	12.70%	9.60%
Medium-Duty Trucks	87.43%	5.05%	7.52%
Heavy-Duty Trucks	89.10%	2.84%	8.06%

Analysis Condition Roadway, Segment	Lanes	Median Width	ADT Volume	Design Speed (mph)	Alpha Factor	Vehicle Mix		Distance from Centerline of Roadway Distance to Contour				
						Medium Trucks	Heavy Trucks	Ldn at 75 Feet	70 Ldn	65 Ldn	60 Ldn	55 Ldn
Haven Avenue												
North of Mission Blvd	6	10	45,590	50	0	1.8%	0.7%	71.6	108	343	1,084	3,428
South of Mission Blvd	7	7	37,060	50	0	1.8%	0.7%	70.9	92	290	917	2,900
Jurupa Street												
East of Milliken Ave	6	5	26,270	45	0	1.8%	0.7%	68.0	-	150	476	1,504
West of Milliken Ave	6	5	21,790	45	0	1.8%	0.7%	67.2	-	125	395	1,248
Mission Blvd												
East of Haven Ave	6	8	14,720	45	0	1.8%	0.7%	65.6	-	85	269	852
West of Haven Ave	6	8	18,350	45	0	1.8%	0.7%	66.5	-	106	336	1,062
East of Milliken Ave	4	5	3,080	35	0	1.8%	0.7%	55.9	-	-	-	93
West of Milliken Ave	4	5	5,150	35	0	1.8%	0.7%	58.2	-	-	49	155
Greystone Dr												
East of Milliken Ave	2	0	90	30	0	1.8%	0.7%	39.5	-	-	-	-
West of Milliken Ave	2	0	1,730	30	0	1.8%	0.7%	52.3	-	-	-	40
Milliken Ave												
North of Jurupa St	6	0	20,930	50	0	1.8%	0.7%	68.1	-	152	480	1,519
South of Jurupa St	6	0	23,650	50	0	1.8%	0.7%	68.6	-	172	543	1,716
North of Mission Blvd	6	7	25,200	50	0	1.8%	0.7%	69.0	-	187	592	1,873
South of Mission Blvd	6	7	19,450	50	0	1.8%	0.7%	67.9	-	145	457	1,446
North of GreystoneDr	6	5	21,020	50	0	1.8%	0.7%	68.2	-	155	491	1,551
South of Greystone Dr	6	5	21,400	50	0	1.8%	0.7%	68.2	-	158	499	1,579
SR-60 West Bound Ramp	2	0	8,510	50	0	1.8%	0.7%	63.8	-	57	180	568
SR-60 East Bound Ramp	2	0	5,480	50	0	1.8%	0.7%	61.9	-	37	116	366

TRAFFIC NOISE LEVELS AND NOISE CONTOURS - EXISTING PLUS PROJECT

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						Medium Trucks	Heavy Trucks	Ldn at 75 Feet	70 Ldn	65 Ldn	60 Ldn	55 Ldn
Haven Avenue												
North of Mission Blvd	6	10	45,590	50	0	1.8%	0.7%	71.6	108	343	1,084	3,428
South of Mission Blvd	7	7	37,060	50	0	1.8%	0.7%	70.9	92	290	917	2,900
Jurupa Street												
East of Milliken Ave	6	5	26,400	45	0	1.8%	0.7%	68.0	-	151	478	1,512
West of Milliken Ave	6	5	21,790	45	0	1.8%	0.7%	67.2	-	125	395	1,248
Mission Blvd												
East of Haven Ave	6	8	14,880	45	0	1.8%	0.7%	65.6	-	86	272	861
West of Haven Ave	6	8	18,350	45	0	1.8%	0.7%	66.5	-	106	336	1,062
East of Milliken Ave	4	5	3,080	35	0	1.8%	0.7%	55.9	-	-	-	93
West of Milliken Ave	4	5	5,310	35	0	1.8%	0.7%	58.3	-	-	51	160
Greystone Dr												
East of Milliken Ave	2	0	90	30	0	1.8%	0.7%	39.5	-	-	-	-
West of Milliken Ave	2	0	1,800	30	0	1.8%	0.7%	52.5	-	-	-	42
Milliken Ave												
North of Jurupa St	6	0	20,930	50	0	1.8%	0.7%	68.1	-	152	480	1,519
South of Jurupa St	6	0	23,780	50	0	1.8%	0.7%	68.6	-	173	546	1,726
North of Mission Blvd	6	7	25,330	50	0	1.8%	0.7%	69.0	60	188	595	1,883
South of Mission Blvd	6	7	19,740	50	0	1.8%	0.7%	67.9	-	147	464	1,467
North of GreystoneDr	6	5	21,300	50	0	1.8%	0.7%	68.2	-	157	497	1,572
South of Greystone Dr	6	5	21,750	50	0	1.8%	0.7%	68.3	-	161	508	1,605
North of Project Site	2	5	18,820	50	0	1.8%	0.7%	67.7	44	140	442	1,397
South of Project Site	2	5	21,620	50	0	1.8%	0.7%	68.3	51	160	507	1,603
SR-60 West Bound Ramp	2	0	8,530	50	0	1.8%	0.7%	63.8	-	57	180	569
SR-60 East Bound Ramp	2	0	5,510	50	0	1.8%	0.7%	61.9	-	37	116	368