APPENDIX E: REVISED NOISE DATA

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TRANSORATION NOISE MODELING

Traffic Noise Calculator: FHWA 77-108 Hollister General Plan Update (HOLL-01) Existing Traffic Noise

Traffic	Noise Ca	lculator:					Hollister General Plan Up	odate (HOLL-01) Existing Traffic Noi	se													
	dE	3A at 50 fee	Out et		ice to CNEL C	Contour						Inputs									Auto I	Inputs
ID	L _{eq-24hr}	L _{dn}	CNEL	70 dBA	65 dBA	60 dBA	Roadway	Segment	ADT	Posted Speed Limit	Grade	% Autos	% Med Trucks	% Heavy Trucks	% Daytime	% Evening	% Night	Number of Lanes	Site Condition	Distance to Reciever	Ground Absorption	Lane Distance
1	70.6	74.3	74.7	103	223	480	San Felipe Rd	North of Flynn Rd	13,450	55	0.0%	91.3%	0.0%	8.7%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
2	65.2 59.1	68.9 62.9	69.3 63.2	45 18	97 38	209 82	San Felipe Rd Flynn Rd	South of Flynn Rd West of San Felipe Rd	13,700 1,930	40 40	0.0% 0.0%	98.1% 93.1%	0.0% 0.0%	1.9% 6.9%	75.0% 75.0%	10.0% 10.0%	15.0% 15.0%	4 2	Soft Soft	50 50	0.5 0.5	44 20
4	67.3	71.0	71.4	62	134	288	San Felipe Rd	North of Wright Rd	13,780	40	0.0%	94.3%	0.0%	5.7%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
5 6	66.3 62.6	70.1 66.3	70.4 66.7	53 30	115 65	248 140	San Felipe Rd McCloskey Rd	South of Wright Rd East os San Felipe Rd	16,410 3,800	40 50	0.0% 0.0%	97.6% 96.3%	0.0% 0.0%	2.4% 3.7%	75.0% 75.0%	10.0% 10.0%	15.0% 15.0%	4 2	Soft Soft	50 50	0.5 0.5	44 20
7	66.8	70.5	70.9	57	124	266	San Felipe Rd	North of SR-25	16,090	40	0.0%	96.7%	0.0%	3.3%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
8 9	66.1 68.7	69.8 72.4	70.1 72.8	51 77	110 166	237 357	San Felipe Rd SR-25	South of SR-25 East of San Felipe Rd	16,300 13,150	40 55	0.0% 0.0%	98.0% 97.2%	0.0% 0.0%	2.0% 2.8%	75.0% 75.0%	10.0% 10.0%	15.0% 15.0%	4	Soft Soft	50 50	0.5 0.5	44 44
10	70.2	74.0	74.3	97	210	451	SR-25	West of San Felipe Rd	12,020	55	0.0%	90.4%	0.0%	9.6%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
11 12	71.2 69.0	74.9 72.7	75.2 73.1	112 80	241 172	520 371	SR-156 SR-156	North of Buena Vista Rd South of Buena Vista Rd	6,540 7,210	55 55	0.0% 0.0%	67.5% 86.0%	0.0%	32.5% 14.0%	75.0% 75.0%	10.0% 10.0%	15.0% 15.0%	2 2	Soft Soft	50 50	0.5 0.5	20 20
13	56.6	60.3	60.7	12	26	56	Buena Vista Rd	East of SR-156	2,710	30	0.0%	96.7%	0.0%	3.3%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
14 15	53.1 56.6	56.8 60.3	57.2 60.7	7 12	15 26	32 56	Buena Vista Rd	East of Beresini Ln	1,110 1,600	35 30	0.0% 0.0%	97.9%	0.0%	2.1% 7.3%	75.0% 75.0%	10.0% 10.0%	15.0% 15.0%	2 2	Soft	50 50	0.5	20 20
16	53.1	56.8	57.2	7	15	32	Buena Vista Rd Buena Vista Rd	West of Beresini Ln East of Miller Rd	2,380	25	0.0%	92.7% 98.3%	0.0%	1.7%	75.0% 75.0%	10.0%	15.0%	2	Soft Soft	50	0.5 0.5	20
17	53.1	56.8	57.2	7	15	33	Buena Vista Rd	West of Miller Rd	1,810	30	0.0%	98.6%	0.0%	1.4%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
18 19	55.0 57.5	58.7 61.2	59.0 61.6	9 14	20 30	43 64	Westside Rd Westside Blvd	North of Buena Vista Rd South of Buena Vista Rd	2,430 4,150	35 35	0.0% 0.0%	99.5% 99.3%	0.0% 0.0%	0.5% 0.7%	75.0% 75.0%	10.0% 10.0%	15.0% 15.0%	2 2	Soft Soft	50 50	0.5 0.5	20 20
20	55.2	58.9	59.3	10	21	45	Buena Vista Rd	West of Westside Blvd	2,390	30	0.0%	97.7%	0.0%	2.3%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
21 22	65.9 60.5	69.6 64.2	70.0 64.6	50 22	108 47	233 101	San Felipe Rd San Benito St	North of North St South of North St	16,550 12,100	35 25	0.0% 0.0%	96.5% 98.1%	0.0% 0.0%	3.5% 1.9%	75.0% 75.0%	10.0% 10.0%	15.0% 15.0%	4	Soft Soft	50 50	0.5 0.5	44 44
23	58.1	61.8	62.2	15	33	70	Santa Ana Rd	East of San Felipe Rd	6,460	25	0.0%	97.7%	0.0%	2.3%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
24	57.2	60.9 74.4	61.3 74.8	13 104	28	61 482	North St	West of San Felipe Rd	6,310	25	0.0%	98.4%	0.0%	1.6% 9.3%	75.0%	10.0%	15.0%	2 4	Soft	50 50	0.5	20 44
25 26	70.7 67.4	74.4 71.1	74.8 71.5	63	224 136	482 293	SR-25 SR-25	North of Santa Ana Rd South of Santa Ana Rd	13,110 16,420	55 45	0.0% 0.0%	90.7% 97.7%	0.0% 0.0%	9.3% 2.3%	75.0% 75.0%	10.0% 10.0%	15.0% 15.0%	4	Soft Soft	50 50	0.5 0.5	44
27	60.4	64.1	64.5	22	47	100	Santa Ana Rd	East of SR-25	6,160	35	0.0%	98.0%	0.0%	2.0%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
28 29	60.4 66.4	64.1 70.1	64.5 70.5	21 54	46 116	100 249	Santa Ana Rd San Juan Hollister Rd	West of SR-25 East of Felice Dr	7,050 13,110	35 40	0.0% 0.0%	98.7% 95.6%	0.0% 0.0%	1.3% 4.4%	75.0% 75.0%	10.0% 10.0%	15.0% 15.0%	2 2	Soft Soft	50 50	0.5 0.5	20 20
30	62.8	66.5	66.9	31	67	144	San Juan Hollister Rd	West of Felice Dr	12,870	30	0.0%	97.4%	0.0%	2.6%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
31 32	69.3 68.3	73.0 72.1	73.4 72.4	84 73	182 157	392 338	SR-25 SR-25	North of Meirdian St South of Meridian St	16,560 19,110	45 45	0.0% 0.0%	93.5% 97.2%	0.0%	6.5% 2.8%	75.0% 75.0%	10.0% 10.0%	15.0% 15.0%	4	Soft Soft	50 50	0.5 0.5	44 44
33	61.5	65.3	65.6	26	55	119	Meridian St	East of SR-25	6,480	40	0.0%	98.7%	0.0%	1.3%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
34	61.9	65.6	66.0	27	58	126	Meridian St	West of SR-25	8,210	40	0.0%	99.5%	0.0%	0.5%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
35 36	69.4 68.5	73.1 72.3	73.4 72.6	85 75	183 161	394 348	SR-25 SR-25	North of Hillcrest Rd South of Hillcrest Rd	18,890 20,460	45 45	0.0% 0.0%	94.9% 97.4%	0.0% 0.0%	5.1% 2.6%	75.0% 75.0%	10.0% 10.0%	15.0% 15.0%	4	Soft Soft	50 50	0.5 0.5	44 44
37	64.5	68.2	68.6	40	86	186	Hillcrest Rd	East of SR-25	9,270	45	0.0%	98.5%	0.0%	1.5%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
38 39	63.7 57.9	67.5 61.6	67.8 62.0	36 15	77 31	167 68	Hillcrest Rd San Benito St	West of SR-25 North of Nash Rd	8,060 6,630	35 30	0.0% 0.0%	94.6% 99.3%	0.0%	5.4% 0.7%	75.0% 75.0%	10.0% 10.0%	15.0% 15.0%	2 2	Soft Soft	50 50	0.5 0.5	20 20
40	57.9	61.6	62.0	15	31	68	San Benito St	South of Nash Rd	6,880	30	0.0%	99.4%	0.0%	0.6%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
41 42	58.7	62.4	62.8	17	36	77 52	Nash Rd	East of San Benito St	10,340	30	0.0%	100.0%	0.0%	0.0%	75.0%	10.0%	15.0%	2 2	Soft	50 50	0.5	20 20
43	56.3 59.9	60.0 63.6	60.4 64.0	11 20	25 43	53 93	Nash Rd San Benito St	West of San Benito St North of Union Rd	3,790 6,900	35 30	0.0% 0.0%	100.0% 97.6%	0.0% 0.0%	0.0% 2.4%	75.0% 75.0%	10.0% 10.0%	15.0% 15.0%	2	Soft Soft	50 50	0.5 0.5	20
44	64.0	67.7	68.1	37	80	173	Union Rd	East of San Benito St	9,060	40	0.0%	97.0%	0.0%	3.0%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
45 46	66.0 57.5	69.7 61.2	70.1 61.5	51 14	109 29	235 63	Union Rd Southside Rd	West of San Benito St North of Union Rd	10,540 1,980	40 45	0.0% 0.0%	94.4% 98.8%	0.0% 0.0%	5.6% 1.2%	75.0% 75.0%	10.0% 10.0%	15.0% 15.0%	2	Soft Soft	50 50	0.5 0.5	20 20
47	60.7	64.4	64.8	23	49	105	Southside Rd	South of Union Rd	3,800	45	0.0%	98.1%	0.0%	1.9%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
48 49	67.5 65.3	71.2 69.0	71.6 69.4	64 46	138 98	297 212	Union Rd Union Rd	East of Southside Rd West of Southside Rd	9,440 8,940	55 45	0.0%	96.2% 96.4%	0.0% 0.0%	3.8% 3.6%	75.0% 75.0%	10.0% 10.0%	15.0% 15.0%	2	Soft Soft	50 50	0.5 0.5	20 20
50	69.6	73.3	73.7	88	190	410	Airline Hwy/SR-25	North of Union Rd	12,400	55	0.0%	93.3%	0.0%	6.7%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
51	67.2 59.8	70.9	71.3	61	131 42	283 91	Airline Hwy/SR-25	South of Union Rd East of Airline Hwy/SR-25	8,880	55 35	0.0%	96.3% 99.3%	0.0%	3.7%	75.0%	10.0%	15.0%	2	Soft	50 50	0.5	20
52 53	67.3	63.5 71.0	63.9 71.4	20 62	134	288	Avenida Cesar Chavez Union Rd	West of Airline Hwy/SR-25	7,050 9,330	35 55	0.0% 0.0%	96.6%	0.0% 0.0%	0.7% 3.4%	75.0% 75.0%	10.0% 10.0%	15.0% 15.0%	2 2	Soft Soft	50 50	0.5 0.5	20 20
54	59.5	63.2	63.6	19	40	87	San Benito St	North of 4th St	7,670	25	0.0%	97.2%	0.0%	2.8%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
55 56	51.5 62.4	55.2 66.1	55.6 66.5	6 29	12 63	26 136	San Benito St 4th St	South of 4th St East of San Benito St	3,370 7,000	25 35	0.0% 0.0%	100.0% 95.9%	0.0% 0.0%	0.0% 4.1%	75.0% 75.0%	10.0% 10.0%	15.0% 15.0%	1 2	Soft Soft	50 50	0.5 0.5	6 20
57	62.8	66.5	66.9	31	67	144	4th St	West of San Benito St	9,560	35	0.0%	97.4%	0.0%	2.6%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
58 59	63.4 61.8	67.1 65.5	67.5 65.9	34 26	73 57	157 123	Fairview Rd Fairview Rd	North of Hillcrest Rd South of Hillcrest Rd	9,290 7,560	35 35	0.0% 0.0%	96.4% 97.5%	0.0% 0.0%	3.6% 2.5%	75.0% 75.0%	10.0% 10.0%	15.0% 15.0%	2 3	Soft Soft	50 50	0.5 0.5	20 32
60	57.2	60.9	61.3	13	28	61	Hillcrest Rd	East of Fairview Rd	1,400	45	0.0%	96.6%	0.0%	3.4%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
61 62	61.3 64.2	65.0 67.9	65.4 68.3	25 38	53 83	115 178	Hillcrest Rd	West of Fairview Rd	3,330	50 35	0.0%	97.9%	0.0% 0.0%	2.1% 6.8%	75.0%	10.0% 10.0%	15.0% 15.0%	2 4	Soft Soft	50 50	0.5 0.5	20 44
63	60.7	64.4	64.8	23	49	105	Fairview Rd Fairview Rd	North of Sunnyslope Rd South of Sunnyslope Rd	7,440 5,730	35	0.0% 0.0%	93.2% 97.2%	0.0%	2.8%	75.0% 75.0%	10.0%	15.0%	2	Soft	50	0.5	20
64	54.6	58.3	58.7	9	19	41	Sunnyslope Rd	East of Fairview Rd	2,550	25	0.0%	97.2%	0.0%	2.8%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
65 66	60.5 61.4	64.2 65.2	64.6 65.5	22 25	47 54	101 117	Sunnyslope Rd Fairview Rd	West of Fairview Rd North of Airline Hwy/SR-25	4,920 3,440	40 35	0.0% 0.0%	98.3% 91.3%	0.0% 0.0%	1.7% 8.7%	75.0% 75.0%	10.0% 10.0%	15.0% 15.0%	2 2	Soft Soft	50 50	0.5 0.5	20 20
67	59.7	63.4	63.8	19	41	89	Ridgemark Dr	South of Airline Hwy/SR-25	4,360	35	0.0%	97.0%	0.0%	3.0%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
68 69	65.6 67.9	69.3 71.6	69.7 72.0	47 68	102 146	220 315	Airline Hwy/SR-25 Airline Hwy/SR-25	East of Fairview Rd West of Fairview Rd	4,440 6,980	55 55	0.0% 0.0%	91.8% 90.3%	0.0% 0.0%	8.2% 9.7%	75.0% 75.0%	10.0% 10.0%	15.0% 15.0%	2 2	Soft Soft	50 50	0.5 0.5	20 20
70	71.1	74.8	75.2	111	240	517	SR-156	North of San Juan Hollsiter Rd	7,090	55	0.0%	71.0%	0.0%	29.0%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
71	71.1	74.8	75.2	111	239	516	SR-156	South of San Juan Hollister Rd	12,830	55	0.0%	87.8%	0.0%	12.2%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
72 73	67.0 69.7	70.7 73.4	71.1 73.8	59 89	127 192	274 415	San Juan Hollister Rd San Felipe Rd	East of SR-156 North of Fallon Rd	7,420 8,520	55 55	0.0% 0.0%	95.0% 86.7%	0.0% 0.0%	5.0% 13.3%	75.0% 75.0%	10.0% 10.0%	15.0% 15.0%	4	Soft Soft	50 50	0.5 0.5	44 44
74	68.4	72.2	72.5	74	159	343	San Felipe Rd	South of Fallon Rd	13,460	55	0.0%	98.1%	0.0%	1.9%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
75 76	65.7 69.1	69.4 72.8	69.8 73.1	49 81	105 175	225 376	Fallon Rd San Felipe Rd	East of San Felipe Rd North of Rd P	6,200 8,350	45 55	0.0% 0.0%	91.1% 88.7%	0.0% 0.0%	8.9% 11.3%	75.0% 75.0%	10.0% 10.0%	15.0% 15.0%	2 2	Soft Soft	50 50	0.5 0.5	20 20
77	67.1	70.9	71.2	60	130	281	San Felipe Rd	South of Rd P	8,410	55	0.0%	95.8%	0.0%	4.2%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
78 70	60.5	64.2	64.6	22	47	102	San Felipe Rd	North of Pacheco Pass Hwy/SR-156	5,480	35	0.0%	97.2%	0.0%	2.8%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
79 80	63.1 70.3	66.8 74.0	67.2 74.4	32 99	70 213	150 458	San Felipe Rd Pacheco Pass Hwy/SR -156	South of Pacheco Pass Hwy/SR-156 East of San Felipe Rd	8,120 6,810	35 55	0.0% 0.0%	95.9% 75.9%	0.0% 0.0%	4.1% 24.1%	75.0% 75.0%	10.0% 10.0%	15.0% 15.0%	2 2	Soft Soft	50 50	0.5 0.5	20 20
81	69.3	73.0	73.4	84	181	389	Pacheco Pass Hwy/SR -156	West of San Felipe Rd	4,470	55	0.0%	69.6%	0.0%	30.4%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
82 83	68.8 65.3	72.5 69.0	72.9 69.4	78 46	168 98	362 212	SR-25 SR-25	North of Flynn Rd South of Flynn Rd	13,180 11,780	45 40	0.0% 0.0%	91.7% 96.7%	0.0% 0.0%	8.3% 3.3%	75.0% 75.0%	10.0% 10.0%	15.0% 15.0%	2 2	Soft Soft	50 50	0.5 0.5	20 20
84	68.2	71.9	72.3	71	152	329	SR-25	North of Wright Rd	11,770	40	0.0%	89.6%	0.0%	10.4%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
85 86	65.6 60.2	69.3 63.9	69.7 64.3	48 21	102 45	221 97	SR-25 Wright Rd	South of Wright Rd East of SR-25	12,010 1,450	40 40	0.0% 0.0%	96.4% 85.1%	0.0%	3.6% 14.9%	75.0% 75.0%	10.0% 10.0%	15.0% 15.0%	2 2	Soft Soft	50 50	0.5 0.5	20 20
86	55.9	59.6	60.0	11	23	50	Wright Rd	West of SR-25	1,450	40	0.0%	98.1%	0.0%	14.9%	75.0% 75.0%	10.0%	15.0%	2	Soft	50	0.5	20
88	62.7	66.5	66.8	31	66	143	Fairview Rd	North of Avenida Cesar Chavez	5,150	35	0.0%	92.5%	0.0%	7.5%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
89	58.6	62.4	62.7	16	35	76	Fairview Rd	South of Avenida Cesar Chavez	3,540	35	0.0%	97.2%	0.0%	2.8%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20

Traffic	Noise Ca	lculator:	FHWA 7	7-108			Hollister General Plan U	pdate (HOLL-01) Existing Traffic No	ise													
	dE	BA at 50 fee	Out		e to CNEL (Contour						Inputs									Auto I	nputs
ID	L _{eq-24hr}	L _{dn}	CNEL	70 dBA	65 dBA	60 dBA	Roadway	Segment	ADT	Posted Speed Limit	Grade	% Autos	% Med Trucks	% Heavy Trucks	% Daytime	% Evening	% Night	Number of Lanes	Site Condition	Distance to Reciever	Ground Absorption	Lane Distance
1 2	71.6 65.6	75.3 69.3	75.7 69.7	120 47	260 102	559 220	San Felipe Rd San Felipe Rd	North of Flynn Rd South of Flynn Rd	16,930 14,770	55 40	0.0%	91.3% 98.1%	0.0%	8.7% 1.9%	75.0% 75.0%	10.0% 10.0%	15.0% 15.0%	4	Soft Soft	50 50	0.5 0.5	44 44
3	62.8	66.5	66.9	31	67	144	Flynn Rd	West of San Felipe Rd	4,480	40	0.0%	93.1%	0.0%	6.9%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
4 5	67.8 66.9	71.5 70.6	71.9 70.9	67 58	145 125	312 268	San Felipe Rd San Felipe Rd	North of Wright Rd South of Wright Rd	15,520 18,430	40 40	0.0%	94.3% 97.6%	0.0%	5.7% 2.4%	75.0% 75.0%	10.0% 10.0%	15.0% 15.0%	4	Soft Soft	50 50	0.5 0.5	44 44
6	64.0	67.7	68.1	37	80	173	McCloskey Rd	East os San Felipe Rd	5,220	50	0.0%	96.3%	0.0%	3.7%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
7	67.8 67.7	71.5 71.4	71.9 71.8	67 66	144 142	311 306	San Felipe Rd San Felipe Rd	North of SR-25 South of SR-25	20,240	40 40	0.0%	96.7% 98.0%	0.0%	3.3%	75.0% 75.0%	10.0% 10.0%	15.0% 15.0%	4	Soft Soft	50 50	0.5 0.5	44 44
9	69.8	73.5	73.9	91	197	424	SR-25	East of San Felipe Rd	17,040	55	0.0%	97.2%	0.0%	2.8%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
10 11	72.9 71.3	76.6 75.0	77.0 75.4	147 114	317 246	683 531	SR-25 SR-156	West of San Felipe Rd North of Buena Vista Rd	22,360 6.750	55 55	0.0%	90.4% 67.5%	0.0%	9.6% 32.5%	75.0% 75.0%	10.0%	15.0% 15.0%	2	Soft Soft	50 50	0.5 0.5	20 20
12	69.5	73.2	73.6	87	187	402	SR-156	South of Buena Vista Rd	8,120	55	0.0%	86.0%	0.0%	14.0%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
13	56.9 53.6	60.6	61.0	13	27	58	Buena Vista Rd	East of SR-156	2,890	30	0.0%	96.7%	0.0%	3.3%	75.0%	10.0%	15.0%	2	Soft	50 50	0.5	20
14 15	57.0	57.3 60.7	57.7 61.1	13	16 27	35 59	Buena Vista Rd Buena Vista Rd	East of Beresini Ln West of Beresini Ln	1,250 1,740	35 30	0.0%	97.9% 92.7%	0.0%	2.1% 7.3%	75.0% 75.0%	10.0% 10.0%	15.0% 15.0%	2	Soft Soft	50	0.5 0.5	20 20
16	54.6	58.3	58.7	9	19	41	Buena Vista Rd	East of Miller Rd	3,400	25	0.0%	98.3%	0.0%	1.7%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
17 18	54.8 55.1	58.5 58.8	58.9 59.2	9 10	20 21	42 44	Buena Vista Rd Westside Rd	West of Miller Rd North of Buena Vista Rd	2,680 2,530	30 35	0.0%	98.6% 99.5%	0.0%	1.4%	75.0% 75.0%	10.0% 10.0%	15.0% 15.0%	2	Soft Soft	50 50	0.5 0.5	20 20
19	57.8	61.5	61.9	14	31	67	Westside Blvd	South of Buena Vista Rd	4,430	35	0.0%	99.3%	0.0%	0.7%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
20 21	57.8 67.5	61.5 71.2	61.8 71.6	14 64	31 138	66 296	Buena Vista Rd San Felipe Rd	West of Westside Blvd North of North St	4,260 23,710	30 35	0.0%	97.7% 96.5%	0.0%	2.3% 3.5%	75.0% 75.0%	10.0% 10.0%	15.0% 15.0%	2	Soft Soft	50 50	0.5 0.5	20 44
22	61.0	64.7	65.1	23	51	109	San Benito St	South of North St	13,460	25	0.0%	98.1%	0.0%	1.9%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
23	60.0	63.7	64.1	20	44	94	Santa Ana Rd	East of San Felipe Rd	9,990	25	0.0%	97.7%	0.0%	2.3%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
24 25	58.5 71.8	62.2 75.5	62.6 75.9	16 124	35 267	74 576	North St SR-25	West of San Felipe Rd North of Santa Ana Rd	8,560 17.100	25 55	0.0%	98.4% 90.7%	0.0%	1.6% 9.3%	75.0% 75.0%	10.0% 10.0%	15.0% 15.0%	4	Soft Soft	50 50	0.5 0.5	20 44
26	68.2	71.9	72.2	71	152	328	SR-25	South of Santa Ana Rd	19,430	45	0.0%	97.7%	0.0%	2.3%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
27 28	61.6 61.0	65.3 64.7	65.7 65.1	26 24	55 51	119 109	Santa Ana Rd Santa Ana Rd	East of SR-25 West of SR-25	7,990 8,100	35 35	0.0%	98.0% 98.7%	0.0%	2.0% 1.3%	75.0% 75.0%	10.0% 10.0%	15.0% 15.0%	2	Soft Soft	50 50	0.5 0.5	20 20
29	67.3	71.1	71.4	62	134	289	San Juan Hollister Rd	East of Felice Dr	16,410	40	0.0%	95.6%	0.0%	4.4%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
30 31	63.8 70.0	67.6	67.9	36 94	78	169	San Juan Hollister Rd SR-25	West of Felice Dr North of Meridian St	16,290	30	0.0%	97.4%	0.0%	2.6%	75.0%	10.0%	15.0%	2	Soft	50 50	0.5	20 44
31	69.3	73.8 73.0	74.1 73.4	94 84	203 181	438 390	SR-25 SR-25	South of Meridian St	19,560 23,740	45 45	0.0%	93.5% 97.2%	0.0%	6.5% 2.8%	75.0% 75.0%	10.0% 10.0%	15.0% 15.0%	4	Soft Soft	50	0.5 0.5	44
33	62.2	65.9	66.3	28	61	131	Meridian St	East of SR-25	7,550	40	0.0%	98.7%	0.0%	1.3%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
34 35	62.5 70.3	66.2 74.0	66.6 74.4	30 98	64 212	138 456	Meridian St SR-25	West of SR-25 North of Hillcrest Rd	9,430 23,520	40 45	0.0%	99.5% 94.9%	0.0%	0.5% 5.1%	75.0% 75.0%	10.0% 10.0%	15.0% 15.0%	4	Soft Soft	50 50	0.5 0.5	44 44
36	69.6	73.3	73.7	88	189	408	SR-25	South of Hillcrest Rd	25,970	45	0.0%	97.4%	0.0%	2.6%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
37	64.7	68.4	68.8	42	89	193	Hillcrest Rd	East of SR-25	9,760	45	0.0%	98.5%	0.0%	1.5%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
38 39	64.6 58.5	68.3 62.2	68.7 62.6	41 16	89 35	191 75	Hillcrest Rd San Benito St	West of SR-25 North of Nash Rd	9,870 7.690	35 30	0.0%	94.6% 99.3%	0.0%	5.4%	75.0% 75.0%	10.0% 10.0%	15.0% 15.0%	2	Soft Soft	50 50	0.5 0.5	20 20
40	59.5	63.2	63.6	19	40	87	San Benito St	South of Nash Rd	9,940	30	0.0%	99.4%	0.0%	0.6%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
41 42	59.0 56.8	62.7 60.5	63.1	17 12	37 26	81 57	Nash Rd Nash Rd	East of San Benito St West of San Benito St	11,100 4,230	30 35	0.0%	100.0%	0.0%	0.0%	75.0% 75.0%	10.0%	15.0% 15.0%	2	Soft Soft	50 50	0.5 0.5	20 20
43	61.8	65.5	65.9	27	58	124	San Benito St	North of Union Rd	10,690	30	0.0%	97.6%	0.0%	2.4%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
44	65.4	69.1	69.5	46	99	214	Union Rd Union Rd	East of San Benito St	12,440	40	0.0%	97.0% 94.4%	0.0%	3.0%	75.0%	10.0%	15.0%	2	Soft Soft	50 50	0.5	20
45 46	67.1 57.7	70.8 61.5	71.2 61.8	60 14	130 31	280 66	Southside Rd	West of San Benito St North of Union Rd	13,730 2,120	40 45	0.0%	94.4%	0.0%	5.6% 1.2%	75.0% 75.0%	10.0% 10.0%	15.0% 15.0%	2	Soft	50	0.5 0.5	20 20
47	62.3	66.0	66.4	29	62	133	Southside Rd	South of Union Rd	5,430	45	0.0%	98.1%	0.0%	1.9%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
48 49	68.8 66.8	72.5 70.5	72.9 70.9	78 57	168 123	362 266	Union Rd Union Rd	East of Southside Rd West of Southside Rd	12,740 12.530	55 45	0.0%	96.2% 96.4%	0.0%	3.8%	75.0% 75.0%	10.0%	15.0% 15.0%	2	Soft Soft	50 50	0.5 0.5	20 20
50	70.8	74.5	74.9	105	227	489	Airline Hwy/SR-25	North of Union Rd	16,140	55	0.0%	93.3%	0.0%	6.7%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
51	68.4	72.2	72.5	74	159	342	Airline Hwy/SR-25	South of Union Rd	11,800	55	0.0%	96.3%	0.0%	3.7%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
52 53	61.3 68.6	65.0 72.3	65.4 72.7	25 75	53 162	115 349	Avenida Cesar Chavez Union Rd	East of Airline Hwy/SR-25 West of Airline Hwy/SR-25	9,970 12,470	35 55	0.0%	99.3% 96.6%	0.0%	0.7%	75.0% 75.0%	10.0%	15.0% 15.0%	2	Soft Soft	50 50	0.5 0.5	20 20
54	60.6	64.3	64.7	22	48	103	San Benito St	North of 4th St	9,920	25	0.0%	97.2%	0.0%	2.8%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
55 56	54.3 63.5	58.0 67.2	58.4 67.6	8 35	18 75	39 161	San Benito St 4th St	South of 4th St East of San Benito St	6,330 9.000	25 35	0.0%	100.0% 95.9%	0.0%	0.0% 4.1%	75.0% 75.0%	10.0% 10.0%	15.0% 15.0%	1	Soft Soft	50 50	0.5 0.5	6 20
57	64.2	67.9	68.3	38	82	178	4th St	West of San Benito St	13,050	35	0.0%	97.4%	0.0%	2.6%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
58 59	63.4	67.2 65.6	67.5 66.0	34 27	74 59	159 126	Fairview Rd Fairview Rd	North of Hillcrest Rd South of Hillcrest Rd	9,470 7.850	35 35	0.0%	96.4% 97.5%	0.0%	3.6%	75.0% 75.0%	10.0%	15.0% 15.0%	2	Soft	50 50	0.5 0.5	20 32
60	58.2	61.9	62.3	15	33	71	Hillcrest Rd	East of Fairview Rd	1,760	45	0.0%	96.6%	0.0%	3.4%	75.0% 75.0%	10.0%	15.0%	2	Soft	50	0.5	20
61	62.0	65.7	66.1	28	59	128	Hillcrest Rd	West of Fairview Rd	3,900	50	0.0%	97.9%	0.0%	2.1%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
62 63	64.4 61.0	68.1 64.7	68.4 65.1	39 23	85 50	183 109	Fairview Rd Fairview Rd	North of Sunnyslope Rd South of Sunnyslope Rd	7,750 6,050	35 35	0.0%	93.2% 97.2%	0.0%	6.8% 2.8%	75.0% 75.0%	10.0% 10.0%	15.0% 15.0%	4 2	Soft Soft	50 50	0.5 0.5	44 20
64	54.6	58.3	58.7	9	19	41	Sunnyslope Rd	East of Fairview Rd	2,550	25	0.0%	97.2%	0.0%	2.8%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
65	60.6 62.5	64.3	64.7 66.6	22	48 64	102	Sunnyslope Rd	West of Fairview Rd	4,990	40	0.0%	98.3%	0.0%	1.7%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
66 67	62.5 60.9	66.2 64.6	66.6 65.0	30 23	64 50	137 108	Fairview Rd Ridgemark Dr	North of Airline Hwy/SR-25 South of Airline Hwy/SR-25	4,380 5,820	35 35	0.0%	91.3% 97.0%	0.0%	8.7% 3.0%	75.0% 75.0%	10.0% 10.0%	15.0% 15.0%	2	Soft Soft	50 50	0.5 0.5	20 20
68	66.7	70.4	70.8	57	122	262	Airline Hwy/SR-25	East of Fairview Rd	5,770	55	0.0%	91.8%	0.0%	8.2%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
69 70	69.4 72.2	73.1 75.9	73.5 76.3	85 131	184 282	396 608	Airline Hwy/SR-25 SR-156	West of Fairview Rd North of San Juan Hollister Rd	9,830 9.050	55 55	0.0%	90.3% 71.0%	0.0%	9.7% 29.0%	75.0% 75.0%	10.0% 10.0%	15.0% 15.0%	2	Soft Soft	50 50	0.5 0.5	20 20
71	73.4	77.1	77.5	158	340	732	SR-156	South of San Juan Hollister Rd	21,040	55	0.0%	87.8%	0.0%	12.2%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44
72 73	68.2 70.5	71.9 74.2	72.3 74.5	71 100	153 216	330 466	San Juan Hollister Rd San Felipe Rd	East of SR-156 North of Fallon Rd	9,810 10.160	55 55	0.0%	95.0% 86.7%	0.0%	5.0%	75.0% 75.0%	10.0%	15.0% 15.0%	4	Soft	50 50	0.5	44
73	70.5 68.8	74.2 72.5	74.5 72.9	100 78	216 168	466 363	San Felipe Rd San Felipe Rd	North of Fallon Rd South of Fallon Rd	10,160	55 55	0.0%	98.1%	0.0%	13.3%	75.0% 75.0%	10.0%	15.0% 15.0%	4	Soft	50 50	0.5	44
75	68.2	71.9	72.2	71	152	328	Fallon Rd	East of San Felipe Rd	10,870	45	0.0%	91.1%	0.0%	8.9%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
76 77	69.2 67.3	72.9 71.0	73.3 71.4	83 62	178 133	384 286	San Felipe Rd San Felipe Rd	North of Rd P South of Rd P	8,610 8,670	55 55	0.0%	88.7% 95.8%	0.0%	11.3% 4.2%	75.0% 75.0%	10.0% 10.0%	15.0% 15.0%	2	Soft Soft	50 50	0.5 0.5	20 20
78	61.3	65.0	65.4	24	53	114	San Felipe Rd	North of Pacheco Pass Hwy/SR-156	6,470	35	0.0%	97.2%	0.0%	2.8%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
79	63.3	67.0	67.3	33	72	154	San Felipe Rd	South of Pacheco Pass Hwy/SR-156	8,450	35	0.0%	95.9%	0.0%	4.1%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
80 81	73.1 73.4	76.8 77.2	77.1 77.5	150 159	323 343	695 738	Pacheco Pass Hwy/SR -156 Pacheco Pass Hwy/SR -156	East of San Felipe Rd West of San Felipe Rd	12,730 11,670	55 55	0.0%	75.9% 69.6%	0.0%	24.1% 30.4%	75.0% 75.0%	10.0% 10.0%	15.0% 15.0%	2	Soft Soft	50 50	0.5 0.5	20 20
82	71.8	75.5	75.9	124	267	575	SR-25	North of Flynn Rd	26,340	45	0.0%	91.7%	0.0%	8.3%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
83 84	68.2 71.3	71.9 75.0	72.3 75.3	71 114	153 245	330 527	SR-25 SR-25	South of Flynn Rd North of Wright Rd	22,830 23,950	40 40	0.0%	96.7% 89.6%	0.0%	3.3% 10.4%	75.0% 75.0%	10.0% 10.0%	15.0% 15.0%	2	Soft Soft	50 50	0.5 0.5	20 20
85	68.3	72.0	72.4	72	155	334	SR-25	South of Wright Rd	22,430	40	0.0%	96.4%	0.0%	3.6%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
86	63.5	67.2	67.6	35	74	160	Wright Rd	East of SR-25	3,080	40	0.0%	85.1%	0.0%	14.9%	75.0%	10.0%	15.0%	2	Soft	50	0.5	20
87 88	58.0 63.3	61.7 67.0	62.1 67.4	15 33	32 72	69 155	Wright Rd Fairview Rd	West of SR-25 North of Avenida Cesar Chavez	2,680 5,810	40 35	0.0%	98.1% 92.5%	0.0%	1.9% 7.5%	75.0% 75.0%	10.0% 10.0%	15.0% 15.0%	2	Soft Soft	50 50	0.5 0.5	20 20
89	59.3	63.0	63.4	18	39	85	Fairview Rd	South of Avenida Cesar Chavez	4,030	35	0.0%	97.2%	0.0%	2.8%	75.0%	10.0%	15.0%	4	Soft	50	0.5	44

FRA Grade Crossing Noise Model

	User Input					
1	Noise Situation (Pick from List)					
110	Horn Lmax (dBA) @ 100 feet					
1	Horn Location on Locomotive(Pick from List)					
2	Non Train Noise Environment (pick from list)					
4	Shielding (Pick from List)					
1	Length of Impact Area (pick from list)					
10	Existing Train Speed (mph)					
10	Future Train Speed (mph)					
1	Number of Existing Trains in one Direction					
1	Number of Future Trains in one Direction					
1	Existing Number of Day Trains (7 am to 10 p.m.)					
1	Future Number of Day Trains (7 am to 10 p.m.)					
0	Existing Number of Night Trains (10 p.m. to 7 am)					
0	Future Number of Night Trains (10 p.m. to 7 am)					
8	Existing Average Number of Cars					
8	Future Average Number of Cars					
2	Existing Average Number of Locomotives					
2	Future Average Number of Locomotives					

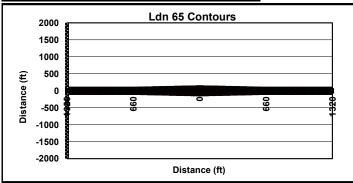
Noise Situation							
Horns Existing and Future 1							
Horns in Future Only							
No Horns Existing and	d Futu	ire	3				
Horn Location on Locomotive							
National Average (50% front, 50% middle)							
All Front Mounted							
All Middle Mounted			3				
User Defined	9	% front mounted horns	4				
Non Train Noise Environment							
Urban 1							
Suburban	Suburban						

50 dBA

Shielding		Ldn 65 Contours Numeric Output (in feet)			
Dense Urban 1		Existing 65 Ldn Contour at X-ing	145		
Light Urban	2	Future 65 Ldn Contour at X-ing	145		
Dense Suburban	3	Existing 65 Ldn Contour at 1/2 zone length	102		
Light Suburban	4	Future 65 Ldn Contour at 1/2 zone length	102		
Rural	5	Zone Length	1320		
No Shielding	6	1/2 Zone Length	660		

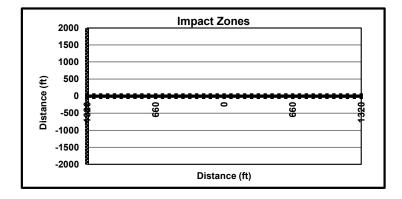
		_					
ength of Impact Area							
1/4 mile	1						
20 seconds	2						
15 seconds	3						
		S					

npact Zones Numeric Output (in feet)					
0	Impact Distance at X-ing				
0	Severe Impact Distance at X-ing				
0	Impact Distance at 1/2 zone length				
0	Severe Impact Distance at 1/2 zone length				
1320	Zone Length				
660	1/2 Zone Length				



Rural

User Defined Ldn =



Noise Model Based on Federal Transit Adminstration General Transit Noise Assessmen Developed for Chicago Create Project Copyright 2006, HMMH Inc.

Hollister GP Existing and Future Conditions Case:

RESULTS			
Noise Source	Ldn (dB)	Leq - daytime (dB)	Leq - nighttime (dB)
All Sources	65	66	51
Source 1	64	65	51
Source 2	54	56	34
Source 3	0	0	0
Source 4	0	0	0
Source 5	0	0	0
Source 6	0	0	0
Source 7	0	0	0
Source 8	0	0	0

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

Enter data for up to 8 noise sources below - see reference list for source numbers.

NOISE SOURCE PARAMETERS	NOISE SOURCE PARAMETERS									
Parameter	Source 1		Source 2		Source 3					
Source Num.	Freight Locomotive	9	Freight Cars	10						
Distance (source to receiver)	distance (ft)	7	distance (ft)	7						
Daytime Hours	speed (mph)	10	speed (mph)	10						
(7 AM - 10 PM)	trains/hour	0.13	trains/hour	0.13						
	locos/train	2	length of cars (ft) / train	480						
Nighttime Hours	speed (mph)	10	speed (mph)	10						
(10 PM - 7 AM)	trains/hour	0	trains/hour	0						
	locos/train	0	length of cars (ft) / train	0						
Wheel Flats?		0.00%	% of cars w/ wheel flats	0.00%						
Jointed Track?	Y/N	n	Y/N	n						
Embedded Track?	Y/N	n	Y/N	n						
Aerial Structure?	Y/N	n	Y/N	n						
Barrier Present?	Y/N	n	Y/N	n						
Intervening Rows of of Buildings	number of rows	0	number of rows	0						

NOISE MONITORING LONG-TERM GRAPHS

