

Appendix D.3.

Noise and Vibration Data

The work upon which this publication is based was funded in whole or in part through a grant awarded by the Strategic Growth Council.

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RESULTS: SOUND LEVELS

<Organization?>
<Analysis By?>

5 March 2015
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT:

Ventura County - Saticoy Area Plan Update

RUN:

<Run Title?>

BARRIER DESIGN:

INPUT HEIGHTS

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

ATMOSPHERICS:

20 deg C, 50% RH

Receiver												
Name	No.	#DUs	Existing LAeq1h	No Barrier				With Barrier				
				Calculated	Crit'n	Calculated	Crit'n	Type	Calculated LAeq1h	Noise Reduction		Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Park near Aster	1	1	0.0	48.7	66	48.7	10	----	48.7	0.0	8	-8.0
Rosal_County Dr house	2	1	0.0	57.3	66	57.3	10	----	57.3	0.0	8	-8.0
Azahar_central_house	3	1	0.0	56.0	66	56.0	10	----	56.0	0.0	8	-8.0
Azahar_Alelia house	4	1	0.0	59.0	66	59.0	10	----	59.0	0.0	8	-8.0
LA Ave_Aster house	5	1	0.0	55.5	66	55.5	10	----	55.5	0.0	8	-8.0
Wells_Aster house	6	1	0.0	63.6	66	63.6	10	----	63.6	0.0	8	-8.0
Snapdragon multi-family bldg	7	1	0.0	55.5	66	55.5	10	----	55.5	0.0	8	-8.0
Rosal_LA Ave house	8	1	0.0	63.5	66	63.5	10	----	63.5	0.0	8	-8.0
Aster west protected	10	1	0.0	62.0	66	62.0	10	----	62.0	0.0	8	-8.0
Aster west unprotected	11	1	0.0	64.2	66	64.2	10	----	64.2	0.0	8	-8.0
Nardo_Wells_LA Ave bldg	12	1	0.0	62.0	66	62.0	10	----	62.0	0.0	8	-8.0
Violeta_Alelia house	14	1	0.0	48.0	66	48.0	10	----	48.0	0.0	8	-8.0
Rosal south 3	17	1	0.0	55.1	66	55.1	10	----	55.1	0.0	8	-8.0
Wells and Nardo	19	1	0.0	70.9	66	70.9	10	Snd Lvl	70.9	0.0	8	-8.0
Nardo west of L.A. Ave	23	1	0.0	65.7	66	65.7	10	----	65.7	0.0	8	-8.0
118 south of County Dr	26	1	0.0	76.0	66	76.0	10	Snd Lvl	76.0	0.0	8	-8.0
New Saticoy library	27	1	0.0	60.1	66	60.1	10	----	60.1	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction		
		Min	Avg	Max
		dB	dB	dB
All Selected	17	0.0	0.0	0.0
All Impacted	2	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

RESULTS: SOUND LEVELS

<Organization?>
<Analysis By?>

5 March 2015
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT: Ventura County - Saticoy Area Plan Update

RUN: <Run Title?>

BARRIER DESIGN: INPUT HEIGHTS

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

ATMOSPHERICS: 20 deg C, 50% RH

Receiver												
Name	No.	#DUs	Existing LAeq1h	No Barrier					With Barrier			
				LAeq1h		Increase over existing		Type Impact	Calculated LAeq1h	Noise Reduction		Calculated minus Goal
				Calculated	Crit'n	Calculated	Crit'n Sub'l Inc			Calculated	Goal	
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Park near Aster	1	1	0.0	49.7	66	49.7	10	----	49.7	0.0	8	-8.0
Rosal_County Dr house	2	1	0.0	59.9	66	59.9	10	----	59.9	0.0	8	-8.0
Azahar_central_house	3	1	0.0	61.8	66	61.8	10	----	61.8	0.0	8	-8.0
Azahar_Alelia house	4	1	0.0	64.5	66	64.5	10	----	64.5	0.0	8	-8.0
LA Ave_Aster house	5	1	0.0	56.0	66	56.0	10	----	56.0	0.0	8	-8.0
Wells_Aster house	6	1	0.0	64.3	66	64.3	10	----	64.3	0.0	8	-8.0
Snapdragon multi-family bldg	7	1	0.0	56.5	66	56.5	10	----	56.5	0.0	8	-8.0
Rosal_LA Ave house	8	1	0.0	64.1	66	64.1	10	----	64.1	0.0	8	-8.0
Aster west protected	10	1	0.0	62.6	66	62.6	10	----	62.6	0.0	8	-8.0
Aster west unprotected	11	1	0.0	64.9	66	64.9	10	----	64.9	0.0	8	-8.0
Nardo_Wells_LA Ave bldg	12	1	0.0	62.7	66	62.7	10	----	62.7	0.0	8	-8.0
Violeta_Alelia house	14	1	0.0	49.3	66	49.3	10	----	49.3	0.0	8	-8.0
Rosal south 3	17	1	0.0	55.7	66	55.7	10	----	55.7	0.0	8	-8.0
Wells at Nardo	19	1	0.0	71.5	66	71.5	10	Snd Lvl	71.5	0.0	8	-8.0
Nardo west of L.A. Ave	20	1	0.0	66.4	66	66.4	10	Snd Lvl	66.4	0.0	8	-8.0
118 south of County Dr	21	1	0.0	76.5	66	76.5	10	Snd Lvl	76.5	0.0	8	-8.0
New Saticoy library	22	1	0.0	61.8	66	61.8	10	----	61.8	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction		
		Min	Avg	Max
		dB	dB	dB
All Selected	17	0.0	0.0	0.0
All Impacted	3	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

RESULTS: SOUND LEVELS

<Organization?>

19 February 2015

<Analysis By?>

TNM 2.5

Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT:

Ventura County - Saticoy Area Plan Update

RUN:

<Run Title?>

BARRIER DESIGN:

INPUT HEIGHTS

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

ATMOSPHERICS:

20 deg C, 50% RH

Receiver												
Name	No.	#DUs	Existing LAeq1h	No Barrier				Type Impact	With Barrier			
				LAeq1h Calculated	Crit'n	Increase over existing Calculated	Crit'n Sub'l Inc		LAeq1h Calculated	Noise Reduction		Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Park near Aster	1	1	0.0	49.8	66	49.8	10	----	49.8	0.0	8	-8.0
Rosal_County Dr house	2	1	0.0	58.4	66	58.4	10	----	58.4	0.0	8	-8.0
Azahar_central_house	3	1	0.0	56.6	66	56.6	10	----	56.6	0.0	8	-8.0
Azahar_Alelia house	4	1	0.0	59.6	66	59.6	10	----	59.6	0.0	8	-8.0
LA Ave_Aster house	5	1	0.0	56.5	66	56.5	10	----	56.5	0.0	8	-8.0
Wells_Aster house	6	1	0.0	64.7	66	64.7	10	----	64.7	0.0	8	-8.0
Snapdragon multi-family bldg	7	1	0.0	57.0	66	57.0	10	----	57.0	0.0	8	-8.0
Rosal_LA Ave house	8	1	0.0	64.6	66	64.6	10	----	64.6	0.0	8	-8.0
Aster west protected	10	1	0.0	63.1	66	63.1	10	----	63.1	0.0	8	-8.0
Aster west unprotected	11	1	0.0	65.4	66	65.4	10	----	65.4	0.0	8	-8.0
Nardo_Wells_LA Ave bldg	12	1	0.0	63.0	66	63.0	10	----	63.0	0.0	8	-8.0
Violeta_Alelia house	14	1	0.0	49.0	66	49.0	10	----	49.0	0.0	8	-8.0
Rosal south 3	17	1	0.0	56.1	66	56.1	10	----	56.1	0.0	8	-8.0
Wells and Nardo	19	1	0.0	71.9	66	71.9	10	Snd Lvl	71.9	0.0	8	-8.0
Nardo west of L.A. Ave	20	1	0.0	66.7	66	66.7	10	Snd Lvl	66.7	0.0	8	-8.0
118 south of County Dr	21	1	0.0	77.1	66	77.1	10	Snd Lvl	77.1	0.0	8	-8.0
New Saticoy library	22	1	0.0	61.1	66	61.1	10	----	61.1	0.0	8	-8.0
Dwelling Units		# DUs	Noise Reduction									
			Min	Avg	Max							
			dB	dB	dB							
All Selected		17	0.0	0.0	0.0							
All Impacted		3	0.0	0.0	0.0							
All that meet NR Goal		0	0.0	0.0	0.0							

RESULTS: SOUND LEVELS

<Organization?>
<Analysis By?>

5 March 2015
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS

PROJECT/CONTRACT:

Ventura County - Saticoy Area Plan Update

RUN:

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BARRIER DESIGN:

INPUT HEIGHTS

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

ATMOSPHERICS:

20 deg C, 50% RH

Receiver												
Name	No.	#DUs	Existing LAeq1h	No Barrier					With Barrier			
				LAeq1h		Increase over existing		Type Impact	Calculated LAeq1h	Noise Reduction		Calculated minus Goal
				Calculated	Crit'n	Calculated	Crit'n Sub'l Inc			Calculated	Goal	
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Park near Aster	1	1	0.0	50.6	66	50.6	10	----	50.6	0.0	8	-8.0
Rosal_County Dr house	2	1	0.0	60.5	66	60.5	10	----	60.5	0.0	8	-8.0
Azahar_central_house	3	1	0.0	62.0	66	62.0	10	----	62.0	0.0	8	-8.0
Azahar_Alelia house	4	1	0.0	64.7	66	64.7	10	----	64.7	0.0	8	-8.0
LA Ave_Aster house	5	1	0.0	56.9	66	56.9	10	----	56.9	0.0	8	-8.0
Wells_Aster house	6	1	0.0	65.2	66	65.2	10	----	65.2	0.0	8	-8.0
Snapdragon multi-family bldg	7	1	0.0	57.6	66	57.6	10	----	57.6	0.0	8	-8.0
Rosal_LA Ave house	8	1	0.0	65.0	66	65.0	10	----	65.0	0.0	8	-8.0
Aster west protected	10	1	0.0	63.6	66	63.6	10	----	63.6	0.0	8	-8.0
Aster west unprotected	11	1	0.0	65.9	66	65.9	10	----	65.9	0.0	8	-8.0
Nardo_Wells_LA Ave bldg	12	1	0.0	63.6	66	63.6	10	----	63.6	0.0	8	-8.0
Violeta_Alelia house	14	1	0.0	50.1	66	50.1	10	----	50.1	0.0	8	-8.0
Rosal south 3	17	1	0.0	56.6	66	56.6	10	----	56.6	0.0	8	-8.0
Wells and Nardo	19	1	0.0	72.4	66	72.4	10	Snd Lvl	72.4	0.0	8	-8.0
Nardo west of L.A. Ave	20	1	0.0	67.3	66	67.3	10	Snd Lvl	67.3	0.0	8	-8.0
118 south of County Dr	21	1	0.0	77.4	66	77.4	10	Snd Lvl	77.4	0.0	8	-8.0
New Saticoy library	22	1	0.0	62.5	66	62.5	10	----	62.5	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction		
		Min	Avg	Max
		dB	dB	dB
All Selected	17	0.0	0.0	0.0
All Impacted	3	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

Measurement Location 1

Address	Time	Measurme	LAeq	LAE	LAmx	LAmn	LA10
1	#####	0:15:00	63.8	93.4	76.2	55	67.6
2	#####	0:00:08	58.9	67.9	60.7	56.5	60.6

LA33	LA50	LA90	LA95	Lppeak	Over	Under	Pause
62.9	60.9	57.5	56.8	98.2	-	-	-
59.1	57.5	56.6	56.5	90.2	-	-	-

Measurement Location 2

Address	Time	Measurme	LAeq	LAE	LAmx	L Amin	LA10	
1	2/19/2015 8:07	0:15:00		59.6	89.1	76.9	48.9	62.7

LA33	LA50	LA90	LA95	Lppeak	Over	Under	Pause
59	57.1	51.3	50.3	98.2	-	-	-

Measurement Location 3

Address	Time	Measurme	LAeq	LAE	LAmix	Lamin	LA10
1	#####	0:15:00	53.4	83	70.3	48.9	53.9
2	#####	0:00:01	53.1	53.1	53.1	52.8	53.1

LA33	LA50	LA90	LA95	Lppeak	Over	Under	Pause
52.6	51.9	50.4	50	94.5	-	-	-
53.1	53.1	52.9	52.8	74.8	-	-	-

Measurement Location 4

Address	Time	Measurme	LAeq	LAE	LAmx	LAmn	LA10
1	#####	0:15:00	52.6	82.2	66.1	44.9	55.5
2	#####	0:01:38	51.3	71.2	64.1	44.5	53.8

LA33	LA50	LA90	LA95	Lppeak	Over	Under	Pause
50.6	49.5	46.8	46.4	92.6	-	-	-
46.4	46	45.2	45.1	88.6	-	-	-

Measurement Location 4

Address	Time	Measurme	LAeq	LAE	LAmx	LAmn	LA10
1	#####	0:15:00	49.6	79.2	59	44	52.1
2	#####	0:00:05	45.5	52.5	46.2	44.9	46.1

LA33	LA50	LA90	LA95	Lppeak	Over	Under	Pause
49.5	48.5	46.1	45.7	95.7	-	-	-
45.6	45.3	45	45	82.8	-	-	-

Measurement Location 6

Address	Time	Measurme	LAeq	LAE	LAmay	LAmín	LA10
1	#####	0:15:00	55.3	84.9	73.2	50	56.8
2	#####	0:00:04	53	59	54.8	52.1	54.3

LA33	LA50	LA90	LA95	Lppeak	Over	Under	Pause
54.7	54.1	52.3	51.7	91.6	-	-	-
53.4	53	52.4	52.3	83.3	-	-	-

Measurement Location 7

Address	Time	Measurme	LAeq	LAE	LAmx	LAmn	LA10
1	#####	0:15:00	57.5	87	70.5	52.8	58.6
2	#####	0:00:02	57.2	60.2	57.4	56.9	57.4

LA33	LA50	LA90	LA95	Lppeak	Over	Under	Pause
57.4	56.8	54.9	54.4	97.5	-	-	-
57.2	57.1	56.9	56.9	91	-	-	-

Measurement Location 8

Address	Time	Measurme	LAeq	LAE	LAmx	LAmn	LA10
1	#####	0:15:00	63.4	92.9	77.1	51.3	66.2
2	#####	0:00:06	62.1	69.9	64.6	60.1	62.6

LA33	LA50	LA90	LA95	Lppeak	Over	Under	Pause
63	61.7	56.5	55.1	96.3	-	-	Pause
61.1	61	60.4	60.3	84.4	-	-	-

Measurement Location 9

Address	Time	Measurme	LAeq	LAE	LAmix	LAmix	LA10
1	2/19/2015 7:25	0:15:00	75.6	105.2	90.4	57.8	78.7

LA33	LA50	LA90	LA95	Lppeak	Over	Under	Pause
75.3	73.7	67.1	63.9	108.2	-	-	-

Measurement Location 10

Address	Time	Measurme	LAeq	LAE	LAmx	LAmn	LA10
1	#####	0:15:00	51.3	80.9	59.6	48.1	52.6
2	#####	0:01:09	49.7	68.1	52.6	48.1	50.7

LA33	LA50	LA90	LA95	Lppeak	Over	Under	Pause
51.3	50.8	49.6	49.2	100.7	-	-	-
49.9	49.6	48.7	48.5	94.8	-	-	-