APPENDIX H

Noise Modeling Data

<Organization?> 23 August 2016
<Analysis By?> TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: <Project Name?>
RUN: Kaiser Irwindale_CalRun

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

Roadway Name	Width	Points Name	No.	Coordinates (pavement) X	Y	Z	Flow Control Control Device	Speed Constraint	Percent Vehicles Affected	Segment Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Ramona Blvd_W	80.0	point1	1	0.0	0.0	0.00				Average	
		point2	2	1,680.0	0.0	0.00					
Schabarum Ave	50.0	point3	3	560.0	1.0	0.00				Average	
		point4	4	560.0	880.0	0.00					
Syracuse Ave	40.0	point5	5	560.0	-1.0	0.00				Average	
		point6	6	560.0	-880.0	0.00					
Francisquito Ave_N	50.0	point7	7	2,635.0	1.0	0.00				Average	
		point8	8	2,635.0	430.0	0.00					
Francisquito Ave_S	60.0	point9	9	2,635.0	-1.0	0.00				Average	
		point10	10	2,635.0	-880.0	0.00					
Ramona Blvd_E	80.0	point11	11	1,681.0	0.0	0.00				Average	
		point12	12	3,360.0	0.0	0.00					

<Organization?> 23 August 2016
<Analysis By?> TNM 2.5

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: <Project Name?>
RUN: Kaiser Irwindale_CalRun

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Ramona Blvd_W	point1	1	1392	40	40	40	36	40	12	40	0	0
	point2	2										
Schabarum Ave	point3	3	144	30	8	30	8	30	0	0	0	0
	point4	4										
Syracuse Ave	point5	5	0	0	0	0	0	0	0	0	0	0
	point6	6										
Francisquito Ave_N	point7	7	0	0	0	0	0	0	0	0	0	0
	point8	8										
Francisquito Ave_S	point9	9	0	0	0	0	0	0	0	0	0	0
	point10	10										
Ramona Blvd_E	point11	11	1376	40	36	40	16	40	0	0	0	0
	point12	12										

<Organization?> 23 August 2016
<Analysis By?> TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: <Project Name?>
RUN: Kaiser Irwindale_CalRun

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria Existing LAeq1h	Impact Criteria LAeq1h	Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
M1a	1	1	560.0	1,115.0	0.00	5.00	59.60	66	10.0	8.0	Y
M1b	2	1	180.0	1,050.0	0.00	5.00	78.20	66	10.0	8.0	Y
M2	3	1	2,035.0	111.0	0.00	5.00	65.60	66	10.0	8.0	Y
M3	5	1	390.0	151.0	0.00	5.00	60.80	66	10.0	8.0	Y
M4	6	1	940.0	-53.0	0.00	5.00	70.40	66	10.0	8.0	Y

RESULTS: SOUND LEVELS **<Project Name?>**

<Organization?> **23 August 2016**
<Analysis By?> **TNM 2.5**
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: **<Project Name?>**
RUN: **Kaiser Irwindale_CalRun**
BARRIER DESIGN: **INPUT HEIGHTS**
ATMOSPHERICS: **68 deg F, 50% RH**

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

Receiver												
Name	**No.**	**#DUs**	**Existing**	**No Barrier**					**With Barrier**			
			LAeq1h	**LAeq1h**		**Increase over existing**		**Type**	**Calculated**	**Noise Reduction**		
				Calculated	**Crit'n**	**Calculated**	**Crit'n**	**Impact**	**LAeq1h**	**Calculated**	**Goal**	**Calculated**
							Sub'l Inc					**minus**
												Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
M1a	1	1	59.6	43.4	66	-16.2	10	----	43.4	0.0	8	-8.0
M1b	2	1	78.2	43.3	66	-34.9	10	----	43.3	0.0	8	-8.0
M2	3	1	65.6	63.7	66	-1.9	10	----	63.7	0.0	8	-8.0
M3	5	1	60.8	62.8	66	2.0	10	----	62.8	0.0	8	-8.0
M4	6	1	70.4	68.4	66	-2.0	10	Snd Lvl	68.4	0.0	8	-8.0

Dwelling Units	**# DUs**	**Noise Reduction**		
		Min	**Avg**	**Max**
		dB	**dB**	**dB**
All Selected	5	0.0	0.0	0.0
All Impacted	1	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

<Organization?> 23 August 2016
<Analysis By?> TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: <Project Name?>
RUN: Kaiser Irwindale_Existing

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

Roadway Name	Width	Points Name	No.	Coordinates (pavement) X	Y	Z	Flow Control Control Device	Speed Constraint	Percent Vehicles Affected	Segment Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Ramona Blvd_W	80.0	point1	1	0.0	0.0	0.00				Average	
		point2	2	1,680.0	0.0	0.00					
Schabarum Ave	50.0	point3	3	560.0	1.0	0.00				Average	
		point4	4	560.0	880.0	0.00					
Syracuse Ave	40.0	point5	5	560.0	-1.0	0.00				Average	
		point6	6	560.0	-880.0	0.00					
Francisquito Ave_N	50.0	point7	7	2,635.0	1.0	0.00				Average	
		point8	8	2,635.0	430.0	0.00					
Francisquito Ave_S	60.0	point9	9	2,635.0	-1.0	0.00				Average	
		point10	10	2,635.0	-880.0	0.00					
Ramona Blvd_E	80.0	point11	11	1,681.0	0.0	0.00				Average	
		point12	12	3,360.0	0.0	0.00					

<Organization?> 23 August 2016
<Analysis By?> TNM 2.5

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: <Project Name?>
RUN: Kaiser Irwindale_Existing

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Ramona Blvd_W	point1	1	5108	40	161	40	108	40	0	0	0	0
	point2	2										
Schabarum Ave	point3	3	738	30	23	30	16	30	0	0	0	0
	point4	4										
Syracuse Ave	point5	5	0	0	0	0	0	0	0	0	0	0
	point6	6										
Francisquito Ave_N	point7	7	124	35	4	35	3	35	0	0	0	0
	point8	8										
Francisquito Ave_S	point9	9	875	35	28	35	18	35	0	0	0	0
	point10	10										
Ramona Blvd_E	point11	11	4281	40	135	40	90	40	0	0	0	0
	point12	12										

<Organization?> 23 August 2016
<Analysis By?> TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: <Project Name?>
RUN: Kaiser Irwindale_Existing

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria Existing LAeq1h	Impact Criteria LAeq1h	Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
M1a	1	1	560.0	1,115.0	0.00	5.00	59.60	66	10.0	8.0	Y
M1b	2	1	180.0	1,050.0	0.00	5.00	78.20	66	10.0	8.0	Y
M2	3	1	2,035.0	111.0	0.00	5.00	65.60	66	10.0	8.0	Y
M3	5	1	390.0	151.0	0.00	5.00	60.80	66	10.0	8.0	Y
M4	6	1	940.0	-53.0	0.00	5.00	70.40	66	10.0	8.0	Y

RESULTS: SOUND LEVELS **<Project Name?>**

<Organization?> **23 August 2016**
<Analysis By?> **TNM 2.5**
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: **<Project Name?>**
RUN: **Kaiser Irwindale_Existing**
BARRIER DESIGN: **INPUT HEIGHTS**
ATMOSPHERICS: **68 deg F, 50% RH**

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

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
M1a	1	1	59.6	48.5	66	-11.1	10	----	48.5	0.0	8	-8.0
M1b	2	1	78.2	48.5	66	-29.7	10	----	48.5	0.0	8	-8.0
M2	3	1	65.6	69.1	66	3.5	10	Snd Lvl	69.1	0.0	8	-8.0
M3	5	1	60.8	68.1	66	7.3	10	Snd Lvl	68.1	0.0	8	-8.0
M4	6	1	70.4	73.7	66	3.3	10	Snd Lvl	73.7	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	5	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

<Organization?> 23 August 2016
<Analysis By?> TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: <Project Name?>
RUN: Kaiser Irwindale_Existing+Project

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

Roadway Name	Width	Points Name	No.	Coordinates (pavement) X	Y	Z	Flow Control Control Device	Speed Constraint	Percent Vehicles Affected	Segment Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Ramona Blvd_W	80.0	point1	1	0.0	0.0	0.00				Average	
		point2	2	1,680.0	0.0	0.00					
Schabarum Ave	50.0	point3	3	560.0	1.0	0.00				Average	
		point4	4	560.0	880.0	0.00					
Syracuse Ave	40.0	point5	5	560.0	-1.0	0.00				Average	
		point6	6	560.0	-880.0	0.00					
Francisquito Ave_N	50.0	point7	7	2,635.0	1.0	0.00				Average	
		point8	8	2,635.0	430.0	0.00					
Francisquito Ave_S	60.0	point9	9	2,635.0	-1.0	0.00				Average	
		point10	10	2,635.0	-880.0	0.00					
Ramona Blvd_E	80.0	point11	11	1,681.0	0.0	0.00				Average	
		point12	12	3,360.0	0.0	0.00					

<Organization?> 23 August 2016
<Analysis By?> TNM 2.5

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: <Project Name?>
RUN: Kaiser Irwindale_Existing+Project

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Ramona Blvd_W	point1	1	5341	40	169	40	112	40	0	0	0	0
	point2	2										
Schabarum Ave	point3	3	980	30	94	30	62	30	0	0	0	0
	point4	4										
Syracuse Ave	point5	5	0	0	0	0	0	0	0	0	0	0
	point6	6										
Francisquito Ave_N	point7	7	124	35	4	35	3	35	0	0	0	0
	point8	8										
Francisquito Ave_S	point9	9	932	35	29	35	20	35	0	0	0	0
	point10	10										
Ramona Blvd_E	point11	11	4446	40	140	40	94	40	0	0	0	0
	point12	12										

<Organization?> 23 August 2016
<Analysis By?> TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: <Project Name?>
RUN: Kaiser Irwindale_Existing+Project

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria Existing LAeq1h	Impact Criteria LAeq1h	Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
M1a	1	1	560.0	1,115.0	0.00	5.00	59.60	66	10.0	8.0	Y
M1b	2	1	180.0	1,050.0	0.00	5.00	78.20	66	10.0	8.0	Y
M2	3	1	2,035.0	111.0	0.00	5.00	65.60	66	10.0	8.0	Y
M3	5	1	390.0	151.0	0.00	5.00	60.80	66	10.0	8.0	Y
M4	6	1	940.0	-53.0	0.00	5.00	70.40	66	10.0	8.0	Y

<Organization?>
<Analysis By?>

23 August 2016
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: <Project Name?>
RUN: Kaiser Irwindale_Existing+Project
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

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

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
M1a	1	1	59.6	50.4	66	-9.2	10	----	50.4	0.0	8	-8.0
M1b	2	1	78.2	50.2	66	-28.0	10	----	50.2	0.0	8	-8.0
M2	3	1	65.6	69.3	66	3.7	10	Snd Lvl	69.3	0.0	8	-8.0
M3	5	1	60.8	68.6	66	7.8	10	Snd Lvl	68.6	0.0	8	-8.0
M4	6	1	70.4	73.9	66	3.5	10	Snd Lvl	73.9	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	5	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

<Organization?> 23 August 2016
<Analysis By?> TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: <Project Name?>
RUN: Kaiser Irwindale_Future With Project

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

Roadway Name	Width	Points Name	No.	Coordinates (pavement) X	Y	Z	Flow Control Control Device	Speed Constraint	Percent Vehicles Affected	Segment Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Ramona Blvd_W	80.0	point1	1	0.0	0.0	0.00				Average	
		point2	2	1,680.0	0.0	0.00					
Schabarum Ave	50.0	point3	3	560.0	1.0	0.00				Average	
		point4	4	560.0	880.0	0.00					
Syracuse Ave	40.0	point5	5	560.0	-1.0	0.00				Average	
		point6	6	560.0	-880.0	0.00					
Francisquito Ave_N	50.0	point7	7	2,635.0	1.0	0.00				Average	
		point8	8	2,635.0	430.0	0.00					
Francisquito Ave_S	60.0	point9	9	2,635.0	-1.0	0.00				Average	
		point10	10	2,635.0	-880.0	0.00					
Ramona Blvd_E	80.0	point11	11	1,681.0	0.0	0.00				Average	
		point12	12	3,360.0	0.0	0.00					

<Organization?> 23 August 2016
<Analysis By?> TNM 2.5

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: <Project Name?>
RUN: Kaiser Irwindale_Future With Project

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Ramona Blvd_W	point1	1	5693	40	180	40	120	40	0	0	0	0
	point2	2										
Schabarum Ave	point3	3	1029	30	32	30	22	30	0	0	0	0
	point4	4										
Syracuse Ave	point5	5	0	0	0	0	0	0	0	0	0	0
	point6	6										
Francisquito Ave_N	point7	7	128	35	4	35	3	35	0	0	0	0
	point8	8										
Francisquito Ave_S	point9	9	999	35	32	35	21	35	0	0	0	0
	point10	10										
Ramona Blvd_E	point11	11	4766	40	151	40	100	40	0	0	0	0
	point12	12										

<Organization?> 23 August 2016
<Analysis By?> TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: <Project Name?>
RUN: Kaiser Irwindale_Future With Project

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria Existing LAeq1h	Impact Criteria LAeq1h	Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
M1a	1	1	560.0	1,115.0	0.00	5.00	59.60	66	10.0	8.0	Y
M1b	2	1	180.0	1,050.0	0.00	5.00	78.20	66	10.0	8.0	Y
M2	3	1	2,035.0	111.0	0.00	5.00	65.60	66	10.0	8.0	Y
M3	5	1	390.0	151.0	0.00	5.00	60.80	66	10.0	8.0	Y
M4	6	1	940.0	-53.0	0.00	5.00	70.40	66	10.0	8.0	Y

<Organization?>
<Analysis By?>

23 August 2016
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: <Project Name?>
RUN: Kaiser Irwindale_Future With Project
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

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

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
M1a	1	1	59.6	49.2	66	-10.4	10	----	49.2	0.0	8	-8.0
M1b	2	1	78.2	49.2	66	-29.0	10	----	49.2	0.0	8	-8.0
M2	3	1	65.6	69.6	66	4.0	10	Snd Lvl	69.6	0.0	8	-8.0
M3	5	1	60.8	68.7	66	7.9	10	Snd Lvl	68.7	0.0	8	-8.0
M4	6	1	70.4	74.2	66	3.8	10	Snd Lvl	74.2	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	5	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

<Organization?> 23 August 2016
<Analysis By?> TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: <Project Name?>
RUN: Kaiser Irwindale_Future Without Project

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

Roadway Name	Width	Points Name	No.	Coordinates (pavement) X	Y	Z	Flow Control Control Device	Speed Constraint	Percent Vehicles Affected	Segment Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Ramona Blvd_W	80.0	point1	1	0.0	0.0	0.00				Average	
		point2	2	1,680.0	0.0	0.00					
Schabarum Ave	50.0	point3	3	560.0	1.0	0.00				Average	
		point4	4	560.0	880.0	0.00					
Syracuse Ave	40.0	point5	5	560.0	-1.0	0.00				Average	
		point6	6	560.0	-880.0	0.00					
Francisquito Ave_N	50.0	point7	7	2,635.0	1.0	0.00				Average	
		point8	8	2,635.0	430.0	0.00					
Francisquito Ave_S	60.0	point9	9	2,635.0	-1.0	0.00				Average	
		point10	10	2,635.0	-880.0	0.00					
Ramona Blvd_E	80.0	point11	11	1,681.0	0.0	0.00				Average	
		point12	12	3,360.0	0.0	0.00					

<Organization?> 23 August 2016
<Analysis By?> TNM 2.5

INPUT: TRAFFIC FOR LAeq1h Volumes
PROJECT/CONTRACT: <Project Name?>
RUN: Kaiser Irwindale_Future Without Project

Roadway	Points											
Name	Name	No.	Segment									
			Autos		MTrucks		HTrucks		Buses		Motorcycles	
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Ramona Blvd_W	point1	1	5461	40	172	40	115	40	0	0	0	0
	point2	2										
Schabarum Ave	point3	3	787	30	25	30	17	30	0	0	0	0
	point4	4										
Syracuse Ave	point5	5	0	0	0	0	0	0	0	0	0	0
	point6	6										
Francisquito Ave_N	point7	7	128	35	4	35	3	35	0	0	0	0
	point8	8										
Francisquito Ave_S	point9	9	942	35	30	35	20	35	0	0	0	0
	point10	10										
Ramona Blvd_E	point11	11	4601	40	145	40	97	40	0	0	0	0
	point12	12										

<Organization?> 23 August 2016
<Analysis By?> TNM 2.5

INPUT: RECEIVERS
PROJECT/CONTRACT: <Project Name?>
RUN: Kaiser Irwindale_Future Without Project

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria Existing LAeq1h	Impact Criteria LAeq1h	Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
M1a	1	1	560.0	1,115.0	0.00	5.00	59.60	66	10.0	8.0	Y
M1b	2	1	180.0	1,050.0	0.00	5.00	78.20	66	10.0	8.0	Y
M2	3	1	2,035.0	111.0	0.00	5.00	65.60	66	10.0	8.0	Y
M3	5	1	390.0	151.0	0.00	5.00	60.80	66	10.0	8.0	Y
M4	6	1	940.0	-53.0	0.00	5.00	70.40	66	10.0	8.0	Y

<Organization?>
<Analysis By?>

23 August 2016
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: <Project Name?>
RUN: Kaiser Irwindale_Future Without Project
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

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

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Crit'n Sub'l Inc	Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
M1a	1	1	59.6	48.8	66	-10.8	10	----	48.8	0.0	8	-8.0
M1b	2	1	78.2	48.7	66	-29.5	10	----	48.7	0.0	8	-8.0
M2	3	1	65.6	69.4	66	3.8	10	Snd Lvl	69.4	0.0	8	-8.0
M3	5	1	60.8	68.4	66	7.6	10	Snd Lvl	68.4	0.0	8	-8.0
M4	6	1	70.4	74.0	66	3.6	10	Snd Lvl	74.0	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	5	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