Appendix F
Noise Impact Forms/Details

MDOT
MMR - 7-27-03

5 August 2003
TNM 2.0

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: <Project Name?>
RUN: I-69, Section1
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 70 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
Mobile Home (REC 1)	4	1	0.0	58.2	66	58.2	15	----	58.2	0.0	8	-8.0
Brick House (REC 2 - NAC5H)	5	1	0.0	64.7	66	64.7	15	----	64.7	0.0	8	-8.0
Verner Rd Park (REC 3)	6	1	0.0	59.3	66	59.3	15	----	59.3	0.0	8	-8.0
Verner Rd Park (REC 4)	8	1	0.0	59.0	66	59.0	15	----	59.0	0.0	8	-8.0
Verner Rd Park (REC 5)	9	1	0.0	59.2	66	59.2	15	----	59.2	0.0	8	-8.0
House - NA9H	11	1	0.0	63.2	66	63.2	15	----	63.2	0.0	8	-8.0
House - NA8H	12	1	0.0	60.1	66	60.1	15	----	60.1	0.0	8	-8.0
Oak Grove Church3 - NA408C	14	1	0.0	55.9	66	55.9	15	----	55.9	0.0	8	-8.0
Oak Grove Church1 - NA408C	15	1	0.0	56.6	66	56.6	15	----	56.6	0.0	8	-8.0
Oak Grove Church2 - NA408C	16	1	0.0	56.1	66	56.1	15	----	56.1	0.0	8	-8.0
House - NA10H	18	1	0.0	60.4	66	60.4	15	----	60.4	0.0	8	-8.0
Noise REC - NRECP4	20	1	0.0	51.0	66	51.0	15	----	51.0	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	12	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

MDOT
MMR 7-27-03

5 August 2003
TNM 2.0

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: KHA
RUN: I-69 Section 2
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: 68 deg F, 50% RH

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
Farm - NB215B	1	1	0.0	62.7	66	62.7	15	----	62.7	0.0	10	-10.0
House - NB216H	3	1	0.0	61.5	66	61.5	15	----	61.5	0.0	10	-10.0
Mobile Home - NB219MH	5	1	0.0	64.1	66	64.1	15	----	64.1	0.0	10	-10.0
Barn - ND236BS	9	1	0.0	64.2	66	64.2	15	----	64.2	0.0	10	-10.0
House - ND237H	10	1	0.0	60.0	66	60.0	15	----	60.0	0.0	10	-10.0
Church - ND240C	12	1	0.0	56.1	66	56.1	15	----	56.1	0.0	10	-10.0
Shed - ND230BS	14	1	0.0	61.4	66	61.4	15	----	61.4	0.0	10	-10.0
Business - ND231B	15	1	0.0	59.8	66	59.8	15	----	59.8	0.0	10	-10.0
Shed - ND232BS	16	1	0.0	56.4	66	56.4	15	----	56.4	0.0	10	-10.0
House - ND233H	17	1	0.0	57.1	66	57.1	15	----	57.1	0.0	10	-10.0
House - ND234H	18	1	0.0	55.7	66	55.7	15	----	55.7	0.0	10	-10.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	11	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

MDOT
MMR 7-29-03

5 August 2003
TNM 2.0

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: KHA
RUN: I-69, Section 3
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: 68 deg F, 50% RH

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
Noise Rec - NRECP11	1	1	0.0	59.4	66	59.4	15	----	59.4	0.0	10	-10.0
Noise Rec - NRECP12	3	1	0.0	57.6	66	57.6	15	----	57.6	0.0	10	-10.0
House - NA26H	5	1	0.0	65.2	66	65.2	15	----	65.2	0.0	10	-10.0
Storage Bldg - NA32B	6	1	0.0	64.7	66	64.7	15	----	64.7	0.0	10	-10.0
House - NA27H	7	1	0.0	62.0	66	62.0	15	----	62.0	0.0	10	-10.0
Shed - NA29BS	8	1	0.0	63.4	66	63.4	15	----	63.4	0.0	10	-10.0
Shed - NA30BS	9	1	0.0	62.2	66	62.2	15	----	62.2	0.0	10	-10.0
Shed - NA31BS	10	1	0.0	60.9	66	60.9	15	----	60.9	0.0	10	-10.0
Business - NA34B	12	1	0.0	56.9	66	56.9	15	----	56.9	0.0	10	-10.0
Business - NA35B	14	1	0.0	58.7	66	58.7	15	----	58.7	0.0	10	-10.0
Noise Rec - NRECP13	16	1	0.0	56.6	66	56.6	15	----	56.6	0.0	10	-10.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	11	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

MDOT
MMR 7-30-03

5 August 2003
TNM 2.0
* INCLUDES EASTERN, CENTRAL, & WESTERN ALIGNMENTS @ US 61 NEAR NEW AFRICAN RD

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: KHA
RUN: I-69, Section 4
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
Home - NE38H	1	1	0.0	65.9	66	65.9	15	----	65.9	0.0	8	-8.0
Farm - NE106B	3	1	0.0	57.6	66	57.6	15	----	57.6	0.0	8	-8.0
Shed - NE105BS	6	1	0.0	64.8	66	64.8	15	----	64.8	0.0	8	-8.0
Home - NE107MH	9	1	0.0	54.9	66	54.9	15	----	54.9	0.0	8	-8.0
House - NE108H	11	1	0.0	58.4	66	58.4	15	----	58.4	0.0	8	-8.0
Shed - NE109BS	13	1	0.0	50.0	66	50.0	15	----	50.0	0.0	8	-8.0
Shed - NE110BS	14	1	0.0	51.0	66	51.0	15	----	51.0	0.0	8	-8.0
House - NE111HV	16	1	0.0	65.1	66	65.1	15	----	65.1	0.0	8	-8.0
House - NE112HV	17	1	0.0	59.1	66	59.1	15	----	59.1	0.0	8	-8.0
Church - NA40C	19	1	0.0	61.6	66	61.6	15	----	61.6	0.0	8	-8.0
House - NA37H	20	1	0.0	62.4	66	62.4	15	----	62.4	0.0	8	-8.0
House - NA39BR	22	1	0.0	62.3	66	62.3	15	----	62.3	0.0	8	-8.0
X Church - NA36BR (NOT EXCEED)	24	1	0.0	73.5	66	73.5	15	Snd Lvl	73.5	0.0	8	-8.0
Truck Scale - NA52B	27	1	0.0	66.7	66	66.7	15	Snd Lvl	66.7	0.0	8	-8.0
Storage - NA51B	29	1	0.0	66.6	66	66.6	15	Snd Lvl	66.6	0.0	8	-8.0
House - NA50H	33	1	0.0	60.4	66	60.4	15	----	60.4	0.0	8	-8.0
House - NA49H	35	1	0.0	63.0	66	63.0	15	----	63.0	0.0	8	-8.0
Farm - NA53B	39	1	0.0	65.3	66	65.3	15	----	65.3	0.0	8	-8.0
Farm - NA55B	41	1	0.0	64.5	66	64.5	15	----	64.5	0.0	8	-8.0
House - NA56H	43	1	0.0	64.6	66	64.6	15	----	64.6	0.0	8	-8.0
House - NA59HR (BELO)	45	1	0.0	67.5	66	67.5	15	Snd Lvl	67.5	0.0	8	-8.0
Business - NA60B	48	1	0.0	63.2	66	63.2	15	----	63.2	0.0	8	-8.0
Business - NA62B	50	1	0.0	64.9	66	64.9	15	----	64.9	0.0	8	-8.0

House - NA61H	52	1	0.0	62.6	66	62.6	15	----	62.6	0.0	8	-8.0
House - NA63HV	56	1	0.0	60.9	66	60.9	15	----	60.9	0.0	8	-8.0
House - NA64MH	58	1	0.0	63.6	66	63.6	15	----	63.6	0.0	8	-8.0
House - NA65H	60	1	0.0	60.5	66	60.5	15	----	60.5	0.0	8	-8.0
House - NA66H	62	1	0.0	63.0	66	63.0	15	----	63.0	0.0	8	-8.0
Church - NA68C	64	1	0.0	65.1	66	65.1	15	----	65.1	0.0	8	-8.0
House - NA67H	66	1	0.0	61.5	66	61.5	15	----	61.5	0.0	8	-8.0
Noise REC - NRECP18	68	1	0.0	46.5	66	46.5	15	----	46.5	0.0	8	-8.0
House - NA69HV	69	1	0.0	64.5	66	64.5	15	----	64.5	0.0	8	-8.0
House - NA70H	70	1	0.0	62.5	66	62.5	15	----	62.5	0.0	8	-8.0
House - NF102H	72	1	0.0	58.2	66	58.2	15	----	58.2	0.0	8	-8.0
House - NF101H	74	1	0.0	57.9	66	57.9	15	----	57.9	0.0	8	-8.0
House - NF100H	76	1	0.0	51.3	66	51.3	15	----	51.3	0.0	8	-8.0
Business - NF99B	78	1	0.0	50.4	66	50.4	15	----	50.4	0.0	8	-8.0
Noise Rec - NRECP15	80	1	0.0	51.2	66	51.2	15	----	51.2	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction		
		Min	Avg	Max
		dB	dB	dB
All Selected	38	0.0	0.0	0.0
All Impacted	4	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

MDOT
MMR 7-30-03

5 August 2003
TNM 2.0
*INCLUDES EASTERN ONLY ALIGNMENT @ US 61 NEAR NEW AFRICAN RD.

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: KHA
RUN: I-69, Section 4A
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
Home - NE38H	1	1	0.0	65.2	66	65.2	15	----	65.2	0.0	8	-8.0
Farm - NE106B	3	1	0.0	57.6	66	57.6	15	----	57.6	0.0	8	-8.0
Shed - NE105BS	6	1	0.0	64.8	66	64.8	15	----	64.8	0.0	8	-8.0
Home - NE107MH	9	1	0.0	54.9	66	54.9	15	----	54.9	0.0	8	-8.0
House - NE108H	11	1	0.0	58.4	66	58.4	15	----	58.4	0.0	8	-8.0
Shed - NE109BS	13	1	0.0	50.0	66	50.0	15	----	50.0	0.0	8	-8.0
Shed - NE110BS	14	1	0.0	51.0	66	51.0	15	----	51.0	0.0	8	-8.0
House - NE111HV	16	1	0.0	65.1	66	65.1	15	----	65.1	0.0	8	-8.0
House - NE112HV	17	1	0.0	59.1	66	59.1	15	----	59.1	0.0	8	-8.0
Church - NA40C	19	1	0.0	55.4	66	55.4	15	----	55.4	0.0	8	-8.0
House - NA37H	20	1	0.0	56.9	66	56.9	15	----	56.9	0.0	8	-8.0
House - NA39BR	22	1	0.0	54.3	66	54.3	15	----	54.3	0.0	8	-8.0
Church - NA36BR (GOOD)	24	1	0.0	64.2	66	64.2	15	----	64.2	0.0	8	-8.0
Truck Scale - NA52B	27	1	0.0	66.7	66	66.7	15	Snd Lvl	66.7	0.0	8	-8.0
Storage - NA51B	29	1	0.0	66.6	66	66.6	15	Snd Lvl	66.6	0.0	8	-8.0
House - NA50H	33	1	0.0	60.4	66	60.4	15	----	60.4	0.0	8	-8.0
House - NA49H	35	1	0.0	63.0	66	63.0	15	----	63.0	0.0	8	-8.0
Farm - NA53B	39	1	0.0	65.3	66	65.3	15	----	65.3	0.0	8	-8.0
Farm - NA55B	41	1	0.0	64.5	66	64.5	15	----	64.5	0.0	8	-8.0
House - NA56H	43	1	0.0	64.6	66	64.6	15	----	64.6	0.0	8	-8.0
House - NA59HR	45	1	0.0	67.5	66	67.5	15	Snd Lvl	67.5	0.0	8	-8.0
Business - NA60B	48	1	0.0	63.2	66	63.2	15	----	63.2	0.0	8	-8.0
Business - NA62B	50	1	0.0	64.9	66	64.9	15	----	64.9	0.0	8	-8.0

RESULTS: SOUND LEVELS

House - NA61H	52	1	0.0	62.6	66	62.6	15	----	62.6	0.0	8	-8.0
House - NA63HV	56	1	0.0	60.9	66	60.9	15	----	60.9	0.0	8	-8.0
House - NA64MH	58	1	0.0	63.6	66	63.6	15	----	63.6	0.0	8	-8.0
House - NA65H	60	1	0.0	60.5	66	60.5	15	----	60.5	0.0	8	-8.0
House - NA66H	62	1	0.0	63.0	66	63.0	15	----	63.0	0.0	8	-8.0
Church - NA68C	64	1	0.0	65.1	66	65.1	15	----	65.1	0.0	8	-8.0
House - NA67H	66	1	0.0	61.5	66	61.5	15	----	61.5	0.0	8	-8.0
Noise REC - NRECP18	68	1	0.0	46.5	66	46.5	15	----	46.5	0.0	8	-8.0
House - NA69HV	69	1	0.0	64.5	66	64.5	15	----	64.5	0.0	8	-8.0
House - NA70H	70	1	0.0	62.5	66	62.5	15	----	62.5	0.0	8	-8.0
House - NF102H	72	1	0.0	58.2	66	58.2	15	----	58.2	0.0	8	-8.0
House - NF101H	74	1	0.0	57.9	66	57.9	15	----	57.9	0.0	8	-8.0
House - NF100H	76	1	0.0	51.3	66	51.3	15	----	51.3	0.0	8	-8.0
Business - NF99B	78	1	0.0	50.4	66	50.4	15	----	50.4	0.0	8	-8.0
Noise Rec - NRECP15	80	1	0.0	51.1	66	51.1	15	----	51.1	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction		
		Min	Avg	Max
		dB	dB	dB
All Selected	38	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

MDOT
MMR - 7-31-03

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: KHA
RUN: I-69, Section 5
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
Noise REC - NRECP20	1	1	0.0	51.8	66	51.8	15	----	51.8	0.0	8	-8.0
House - NE115H	3	1	0.0	60.4	66	60.4	15	----	60.4	0.0	8	-8.0
Farm - NE117H	5	1	0.0	63.3	66	63.3	15	----	63.3	0.0	8	-8.0
Farm - NE116H	6	1	0.0	61.4	66	61.4	15	----	61.4	0.0	8	-8.0
House - NA71H	8	1	0.0	60.0	66	60.0	15	----	60.0	0.0	8	-8.0
House - NA73MH	10	1	0.0	62.7	66	62.7	15	----	62.7	0.0	8	-8.0
House - NA74H	11	1	0.0	60.6	66	60.6	15	----	60.6	0.0	8	-8.0
House - NA75H	13	1	0.0	58.1	66	58.1	15	----	58.1	0.0	8	-8.0
Business - NA76BS	16	1	0.0	64.6	66	64.6	15	----	64.6	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	9	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

MDOT
MMR 7-31-03

5 August 2003
TNM 2.0

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: KHA
RUN: I-69, Section 6
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
Business - NE124BABANDONED	1	1	0.0	60.4	66	60.4	15	----	60.4	0.0	8	-8.0
Business - NE123B	3	1	0.0	61.8	66	61.8	15	----	61.8	0.0	8	-8.0
House - NE125H	5	1	0.0	57.1	66	57.1	15	----	57.1	0.0	8	-8.0
Noise REC - NRECP25	7	1	0.0	50.7	66	50.7	15	----	50.7	0.0	8	-8.0
House - NE126H	8	1	0.0	60.1	66	60.1	15	----	60.1	0.0	8	-8.0
House - NE139H	10	1	0.0	60.1	66	60.1	15	----	60.1	0.0	8	-8.0
House - NE140H	12	1	0.0	61.9	66	61.9	15	----	61.9	0.0	8	-8.0
Business - NE141B	14	1	0.0	61.7	66	61.7	15	----	61.7	0.0	8	-8.0
House - NE142H	15	1	0.0	58.7	66	58.7	15	----	58.7	0.0	8	-8.0
Business - NG365B	25	1	0.0	59.2	66	59.2	15	----	59.2	0.0	8	-8.0
Business - NG364B	26	1	0.0	56.0	66	56.0	15	----	56.0	0.0	8	-8.0
House - NG363H	27	1	0.0	59.8	66	59.8	15	----	59.8	0.0	8	-8.0
Business - NG362B	28	1	0.0	61.4	66	61.4	15	----	61.4	0.0	8	-8.0
House - NG361MH	29	1	0.0	57.8	66	57.8	15	----	57.8	0.0	8	-8.0
Business - NG368B	31	1	0.0	63.6	66	63.6	15	----	63.6	0.0	8	-8.0
Business - NG369B	32	1	0.0	63.7	66	63.7	15	----	63.7	0.0	8	-8.0
Business - NG367B	34	1	0.0	59.7	66	59.7	15	----	59.7	0.0	8	-8.0
House - NG360H	36	1	0.0	58.4	66	58.4	15	----	58.4	0.0	8	-8.0
House - NG366H	37	1	0.0	60.1	66	60.1	15	----	60.1	0.0	8	-8.0
Shed - NG357BS	38	1	0.0	60.3	66	60.3	15	----	60.3	0.0	8	-8.0
Shed - NG359BS	39	1	0.0	62.2	66	62.2	15	----	62.2	0.0	8	-8.0
Business - NG351B	41	1	0.0	63.1	66	63.1	15	----	63.1	0.0	8	-8.0
Business - NG352B	42	1	0.0	63.1	66	63.1	15	----	63.1	0.0	8	-8.0

Business - NG353B	43	1	0.0	58.8	66	58.8	15	----	58.8	0.0	8	-8.0
Business - NG354B	44	1	0.0	57.1	66	57.1	15	----	57.1	0.0	8	-8.0
Business - NG355B	45	1	0.0	54.0	66	54.0	15	----	54.0	0.0	8	-8.0
House - NG350H	47	1	0.0	60.6	66	60.6	15	----	60.6	0.0	8	-8.0
House - NG349H	49	1	0.0	62.9	66	62.9	15	----	62.9	0.0	8	-8.0
House - NG348H	50	1	0.0	61.8	66	61.8	15	----	61.8	0.0	8	-8.0
House - NG344H	51	1	0.0	61.0	66	61.0	15	----	61.0	0.0	8	-8.0
Shed- NG346BS	52	1	0.0	59.5	66	59.5	15	----	59.5	0.0	8	-8.0
Business - NG347B	53	1	0.0	55.0	66	55.0	15	----	55.0	0.0	8	-8.0
House - NG343H	54	1	0.0	62.1	66	62.1	15	----	62.1	0.0	8	-8.0
House - NG342H	56	1	0.0	60.3	66	60.3	15	----	60.3	0.0	8	-8.0
House - NG341H	58	1	0.0	58.6	66	58.6	15	----	58.6	0.0	8	-8.0
House - NG407H	60	1	0.0	59.7	66	59.7	15	----	59.7	0.0	8	-8.0
House - NG406H	62	1	0.0	55.7	66	55.7	15	----	55.7	0.0	8	-8.0
Business - NG337B	64	1	0.0	61.5	66	61.5	15	----	61.5	0.0	8	-8.0
House - NG405H	66	1	0.0	59.7	66	59.7	15	----	59.7	0.0	8	-8.0
Business - NG335B	68	1	0.0	57.8	66	57.8	15	----	57.8	0.0	8	-8.0
House - NG336H	69	1	0.0	59.8	66	59.8	15	----	59.8	0.0	8	-8.0
Noise REC - NRECP26	71	1	0.0	52.6	66	52.6	15	----	52.6	0.0	8	-8.0
Business - NG333B	73	1	0.0	57.6	66	57.6	15	----	57.6	0.0	8	-8.0
House - NG331H	74	1	0.0	60.3	66	60.3	15	----	60.3	0.0	8	-8.0
House - NG332H	75	1	0.0	62.7	66	62.7	15	----	62.7	0.0	8	-8.0
House - NG330H	76	1	0.0	60.8	66	60.8	15	----	60.8	0.0	8	-8.0
House - NG329H	77	1	0.0	61.5	66	61.5	15	----	61.5	0.0	8	-8.0
House - NG327H	79	1	0.0	56.1	66	56.1	15	----	56.1	0.0	8	-8.0
House - NG328MH	80	1	0.0	62.4	66	62.4	15	----	62.4	0.0	8	-8.0
House - NG326H	81	1	0.0	62.3	66	62.3	15	----	62.3	0.0	8	-8.0
House - NG325H	82	1	0.0	57.9	66	57.9	15	----	57.9	0.0	8	-8.0
House - NG324H	83	1	0.0	60.7	66	60.7	15	----	60.7	0.0	8	-8.0
House - NG323H	85	1	0.0	64.4	66	64.4	15	----	64.4	0.0	8	-8.0
House - NA206H	87	1	0.0	66.0	66	66.0	15	Snd Lvl	66.0	0.0	8	-8.0
House - NA205H	88	1	0.0	64.8	66	64.8	15	----	64.8	0.0	8	-8.0
House - NG402H	90	1	0.0	60.7	66	60.7	15	----	60.7	0.0	8	-8.0
House - NG401H	92	1	0.0	59.8	66	59.8	15	----	59.8	0.0	8	-8.0
Shed - NG403BS	94	1	0.0	57.3	66	57.3	15	----	57.3	0.0	8	-8.0
Business - NG404B	95	1	0.0	62.7	66	62.7	15	----	62.7	0.0	8	-8.0
House - NG400H	97	1	0.0	62.5	66	62.5	15	----	62.5	0.0	8	-8.0
House - NG399H	98	1	0.0	63.7	66	63.7	15	----	63.7	0.0	8	-8.0
House - NG398H	99	1	0.0	63.4	66	63.4	15	----	63.4	0.0	8	-8.0
House - NG397H	100	1	0.0	62.6	66	62.6	15	----	62.6	0.0	8	-8.0

House - NG395H	101	1	0.0	64.9	66	64.9	15	----	64.9	0.0	8	-8.0
House - NG396H	102	1	0.0	61.6	66	61.6	15	----	61.6	0.0	8	-8.0
Shed - NG393BS	104	1	0.0	58.5	66	58.5	15	----	58.5	0.0	8	-8.0
Shed - NG392BS	105	1	0.0	58.9	66	58.9	15	----	58.9	0.0	8	-8.0
Shed - NG394BS	106	1	0.0	61.2	66	61.2	15	----	61.2	0.0	8	-8.0
House - NG310H	108	1	0.0	60.0	66	60.0	15	----	60.0	0.0	8	-8.0
Shed - NG391BS	110	1	0.0	60.7	66	60.7	15	----	60.7	0.0	8	-8.0
Business - NG390B	112	1	0.0	60.1	66	60.1	15	----	60.1	0.0	8	-8.0
House - NG386H	114	1	0.0	59.7	66	59.7	15	----	59.7	0.0	8	-8.0
House - NG387H	115	1	0.0	62.5	66	62.5	15	----	62.5	0.0	8	-8.0
Shed - NG388BS	116	1	0.0	59.2	66	59.2	15	----	59.2	0.0	8	-8.0
Shed - NG389BS	117	1	0.0	58.3	66	58.3	15	----	58.3	0.0	8	-8.0
House - NG384MH	119	1	0.0	59.2	66	59.2	15	----	59.2	0.0	8	-8.0
Shed - NG414BS	121	1	0.0	54.3	66	54.3	15	----	54.3	0.0	8	-8.0
House - NG415MH	122	1	0.0	61.1	66	61.1	15	----	61.1	0.0	8	-8.0
House - NG416MH	123	1	0.0	60.1	66	60.1	15	----	60.1	0.0	8	-8.0
House - NG418MH	124	1	0.0	60.4	66	60.4	15	----	60.4	0.0	8	-8.0
House - NG417MH	125	1	0.0	55.6	66	55.6	15	----	55.6	0.0	8	-8.0
House - NG419H	126	1	0.0	58.9	66	58.9	15	----	58.9	0.0	8	-8.0
House - NG413H	128	1	0.0	62.5	66	62.5	15	----	62.5	0.0	8	-8.0
House - NG312H	130	1	0.0	52.4	66	52.4	15	----	52.4	0.0	8	-8.0
House - NG383H	131	1	0.0	57.9	66	57.9	15	----	57.9	0.0	8	-8.0
House - NG314MH	133	1	0.0	59.6	66	59.6	15	----	59.6	0.0	8	-8.0
House - NG310H	135	1	0.0	59.1	66	59.1	15	----	59.1	0.0	8	-8.0
House - NG377H	136	1	0.0	54.9	66	54.9	15	----	54.9	0.0	8	-8.0
Shed - NG378BS	137	1	0.0	52.8	66	52.8	15	----	52.8	0.0	8	-8.0
Business - NG311B	138	1	0.0	53.0	66	53.0	15	----	53.0	0.0	8	-8.0
Shed - NG382BS	139	1	0.0	52.4	66	52.4	15	----	52.4	0.0	8	-8.0
Shed - NG379BS	140	1	0.0	50.0	66	50.0	15	----	50.0	0.0	8	-8.0
Shed - NG380BS	141	1	0.0	50.6	66	50.6	15	----	50.6	0.0	8	-8.0
Shed - NG381BS	142	1	0.0	49.8	66	49.8	15	----	49.8	0.0	8	-8.0
Business - NG305B	144	1	0.0	58.7	66	58.7	15	----	58.7	0.0	8	-8.0
Business - NG306B	145	1	0.0	55.9	66	55.9	15	----	55.9	0.0	8	-8.0
Business - NG307B	146	1	0.0	54.4	66	54.4	15	----	54.4	0.0	8	-8.0
House - NG308H	147	1	0.0	52.8	66	52.8	15	----	52.8	0.0	8	-8.0
House - NG309H	148	1	0.0	56.3	66	56.3	15	----	56.3	0.0	8	-8.0
House - NG297H	150	1	0.0	56.7	66	56.7	15	----	56.7	0.0	8	-8.0
Church - NG300C	151	1	0.0	52.9	66	52.9	15	----	52.9	0.0	8	-8.0
House - NG301HAbandoned	152	1	0.0	54.4	66	54.4	15	----	54.4	0.0	8	-8.0
House - NG302MH	153	1	0.0	55.0	66	55.0	15	----	55.0	0.0	8	-8.0

House - NG298H	154	1	0.0	58.4	66	58.4	15	----	58.4	0.0	8	-8.0
House - NG295H	156	1	0.0	57.2	66	57.2	15	----	57.2	0.0	8	-8.0
House - NG296H	157	1	0.0	56.7	66	56.7	15	----	56.7	0.0	8	-8.0
Business - NG290B	159	1	0.0	57.2	66	57.2	15	----	57.2	0.0	8	-8.0
House - NG291H	160	1	0.0	60.1	66	60.1	15	----	60.1	0.0	8	-8.0
House - NG292H	161	1	0.0	56.9	66	56.9	15	----	56.9	0.0	8	-8.0
House - NG293H	162	1	0.0	53.0	66	53.0	15	----	53.0	0.0	8	-8.0
Business - NG287B	164	1	0.0	56.8	66	56.8	15	----	56.8	0.0	8	-8.0
House - NG276MH	166	1	0.0	56.4	66	56.4	15	----	56.4	0.0	8	-8.0
House - NG277H	167	1	0.0	60.8	66	60.8	15	----	60.8	0.0	8	-8.0
House - NG278H	168	1	0.0	59.5	66	59.5	15	----	59.5	0.0	8	-8.0
House - NG279H	169	1	0.0	55.5	66	55.5	15	----	55.5	0.0	8	-8.0
House - NG274H	171	1	0.0	57.6	66	57.6	15	----	57.6	0.0	8	-8.0
House - NG275MH	172	1	0.0	60.0	66	60.0	15	----	60.0	0.0	8	-8.0
House - NG281MH	173	1	0.0	59.2	66	59.2	15	----	59.2	0.0	8	-8.0
House - NG273H	175	1	0.0	55.4	66	55.4	15	----	55.4	0.0	8	-8.0
Business - NG271B	176	1	0.0	52.3	66	52.3	15	----	52.3	0.0	8	-8.0
House - NG268H	178	1	0.0	56.9	66	56.9	15	----	56.9	0.0	8	-8.0
House - NG269H	179	1	0.0	57.0	66	57.0	15	----	57.0	0.0	8	-8.0
House - NG265MH	181	1	0.0	54.4	66	54.4	15	----	54.4	0.0	8	-8.0
House - NG251MH	183	1	0.0	59.7	66	59.7	15	----	59.7	0.0	8	-8.0
House - NG252HAbandoned	184	1	0.0	61.5	66	61.5	15	----	61.5	0.0	8	-8.0
House - NG253H	185	1	0.0	64.3	66	64.3	15	----	64.3	0.0	8	-8.0
House - NG254H	186	1	0.0	63.4	66	63.4	15	----	63.4	0.0	8	-8.0
House - NG255H	187	1	0.0	64.3	66	64.3	15	----	64.3	0.0	8	-8.0
Business - NG256B	188	1	0.0	62.5	66	62.5	15	----	62.5	0.0	8	-8.0
Church - NG191C	190	1	0.0	60.5	66	60.5	15	----	60.5	0.0	8	-8.0
Business - NG249B	192	1	0.0	57.3	66	57.3	15	----	57.3	0.0	8	-8.0
Business - NG250B	193	1	0.0	50.9	66	50.9	15	----	50.9	0.0	8	-8.0
Business - NG247B	195	1	0.0	57.4	66	57.4	15	----	57.4	0.0	8	-8.0
Business - NG248B	196	1	0.0	54.6	66	54.6	15	----	54.6	0.0	8	-8.0
Business - NG245B	197	1	0.0	56.7	66	56.7	15	----	56.7	0.0	8	-8.0
Business - NG246B	198	1	0.0	58.2	66	58.2	15	----	58.2	0.0	8	-8.0
House - NG242MH	199	1	0.0	49.4	66	49.4	15	----	49.4	0.0	8	-8.0
Church - NG243C	201	1	0.0	46.6	66	46.6	15	----	46.6	0.0	8	-8.0
Business - NG241B	203	1	0.0	47.8	66	47.8	15	----	47.8	0.0	8	-8.0
Church - NG244C	205	1	0.0	49.1	66	49.1	15	----	49.1	0.0	8	-8.0
House - NA85H	207	1	0.0	61.6	66	61.6	15	----	61.6	0.0	8	-8.0
House - NA78H	209	1	0.0	63.3	66	63.3	15	----	63.3	0.0	8	-8.0
Dwelling Units		**# DUs**	**Noise Reduction**									

		Min	Avg	Max
		dB	dB	dB
All Selected	142	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

MDOT
MMR 8-3-03

5 August 2003
TNM 2.0

INCLUDES MIDDLE AND TOP SECTIONS OF EASTERN ALIGNMENT JUST WEST OF US 61 INTERCHANGE

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: KHA
RUN: I-69, Section 7A
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
House - NE160H	1	1	0.0	50.3	66	50.3	15	----	50.3	0.0	8	-8.0
House - NE421H	4	1	0.0	60.0	66	60.0	15	----	60.0	0.0	8	-8.0
House - NE422H	5	1	0.0	59.7	66	59.7	15	----	59.7	0.0	8	-8.0
House - NE423H	6	1	0.0	59.8	66	59.8	15	----	59.8	0.0	8	-8.0
House - NE424H	7	1	0.0	58.4	66	58.4	15	----	58.4	0.0	8	-8.0
House - NE146H	8	1	0.0	52.1	66	52.1	15	----	52.1	0.0	8	-8.0
House - NE147H	9	1	0.0	51.3	66	51.3	15	----	51.3	0.0	8	-8.0
House - NE148H	10	1	0.0	49.8	66	49.8	15	----	49.8	0.0	8	-8.0
House - NE149H	11	1	0.0	49.1	66	49.1	15	----	49.1	0.0	8	-8.0
House - NE150H	12	1	0.0	48.9	66	48.9	15	----	48.9	0.0	8	-8.0
House - NE151H	13	1	0.0	48.9	66	48.9	15	----	48.9	0.0	8	-8.0
House - NE152H	14	1	0.0	48.1	66	48.1	15	----	48.1	0.0	8	-8.0
House - NE153H	15	1	0.0	48.9	66	48.9	15	----	48.9	0.0	8	-8.0
House - NE154H	16	1	0.0	47.6	66	47.6	15	----	47.6	0.0	8	-8.0
House - NE155H	18	1	0.0	47.9	66	47.9	15	----	47.9	0.0	8	-8.0
House - NE156H	19	1	0.0	47.2	66	47.2	15	----	47.2	0.0	8	-8.0
House - NE157H	20	1	0.0	47.5	66	47.5	15	----	47.5	0.0	8	-8.0
House - NE158H	21	1	0.0	47.3	66	47.3	15	----	47.3	0.0	8	-8.0
House - NE159H	23	1	0.0	47.3	66	47.3	15	----	47.3	0.0	8	-8.0
Noise REC - NRECP30	25	1	0.0	43.7	66	43.7	15	----	43.7	0.0	8	-8.0
House - NE161H	26	1	0.0	49.6	66	49.6	15	----	49.6	0.0	8	-8.0
Business - NA62B	28	1	0.0	52.4	66	52.4	15	----	52.4	0.0	8	-8.0
House - NE164H	30	1	0.0	61.2	66	61.2	15	----	61.2	0.0	8	-8.0

RESULTS: SOU... LEVELS

KHA

X Church - NE169C USE 7B	32	1	0.0	64.0	66	64.0	15	----	64.0	0.0	8	-8.0
Shed - NE167BS	34	1	0.0	65.1	66	65.1	15	----	65.1	0.0	8	-8.0
Shed - NE168BS	35	1	0.0	62.7	66	62.7	15	----	62.7	0.0	8	-8.0
Business - NE166B	36	1	0.0	63.5	66	63.5	15	----	63.5	0.0	8	-8.0
Business - NE165B	37	1	0.0	60.8	66	60.8	15	----	60.8	0.0	8	-8.0
Business - NE170B	39	1	0.0	58.9	66	58.9	15	----	58.9	0.0	8	-8.0
Shed - NE171BS	40	1	0.0	63.2	66	63.2	15	----	63.2	0.0	8	-8.0
House - NE174H	42	1	0.0	63.6	66	63.6	15	----	63.6	0.0	8	-8.0
House - NE175MH	43	1	0.0	63.5	66	63.5	15	----	63.5	0.0	8	-8.0
Shed - NG194BS	45	1	0.0	60.1	66	60.1	15	----	60.1	0.0	8	-8.0
House - NG195H	46	1	0.0	60.4	66	60.4	15	----	60.4	0.0	8	-8.0
House - NG193H	48	1	0.0	53.6	66	53.6	15	----	53.6	0.0	8	-8.0
Noise REC - NRECP31	50	1	0.0	50.0	66	50.0	15	----	50.0	0.0	8	-8.0
Business - NA199B	52	1	0.0	60.8	66	60.8	15	----	60.8	0.0	8	-8.0
House - NA198H	54	1	0.0	59.3	66	59.3	15	----	59.3	0.0	8	-8.0
Business - NA197B	56	1	0.0	62.6	66	62.6	15	----	62.6	0.0	8	-8.0
Noise REC - NRECP29	58	1	0.0	51.4	66	51.4	15	----	51.4	0.0	8	-8.0
House - NA196MH	60	1	0.0	65.5	66	65.5	15	----	65.5	0.0	8	-8.0
House(Relo) - NE162HR	62	1	0.0	54.8	66	54.8	15	----	54.8	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction		
		Min	Avg	Max
		dB	dB	dB
All Selected	42	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

MDOT
MMR 8-3-03

5 August 2003
TNM 2.0

INCLUDES TOP & BOTTOM SECTIONS OF EASTERN ALIGNMENT JUST WEST OF US 61 INTERCHANGE

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: KHA
RUN: I-69, Section 7 B
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
House - NE160H	1	1	0.0	50.3	66	50.3	15	----	50.3	0.0	8	-8.0
House - NE421H	4	1	0.0	60.0	66	60.0	15	----	60.0	0.0	8	-8.0
House - NE422H	5	1	0.0	59.7	66	59.7	15	----	59.7	0.0	8	-8.0
House - NE423H	6	1	0.0	59.8	66	59.8	15	----	59.8	0.0	8	-8.0
House - NE424H	7	1	0.0	58.4	66	58.4	15	----	58.4	0.0	8	-8.0
House - NE146H	8	1	0.0	52.1	66	52.1	15	----	52.1	0.0	8	-8.0
House - NE147H	9	1	0.0	51.3	66	51.3	15	----	51.3	0.0	8	-8.0
House - NE148H	10	1	0.0	49.8	66	49.8	15	----	49.8	0.0	8	-8.0
House - NE149H	11	1	0.0	49.1	66	49.1	15	----	49.1	0.0	8	-8.0
House - NE150H	12	1	0.0	48.9	66	48.9	15	----	48.9	0.0	8	-8.0
House - NE151H	13	1	0.0	48.9	66	48.9	15	----	48.9	0.0	8	-8.0
House - NE152H	14	1	0.0	48.1	66	48.1	15	----	48.1	0.0	8	-8.0
House - NE153H	15	1	0.0	48.9	66	48.9	15	----	48.9	0.0	8	-8.0
House - NE154H	16	1	0.0	47.6	66	47.6	15	----	47.6	0.0	8	-8.0
House - NE155H	18	1	0.0	47.9	66	47.9	15	----	47.9	0.0	8	-8.0
House - NE156H	19	1	0.0	47.2	66	47.2	15	----	47.2	0.0	8	-8.0
House - NE157H	20	1	0.0	47.5	66	47.5	15	----	47.5	0.0	8	-8.0
House - NE158H	21	1	0.0	47.3	66	47.3	15	----	47.3	0.0	8	-8.0
House - NE159H	23	1	0.0	47.3	66	47.3	15	----	47.3	0.0	8	-8.0
Noise REC - NRECP30	25	1	0.0	43.7	66	43.7	15	----	43.7	0.0	8	-8.0
House - NE161H	26	1	0.0	49.6	66	49.6	15	----	49.6	0.0	8	-8.0
Business - NA62B	28	1	0.0	52.4	66	52.4	15	----	52.4	0.0	8	-8.0
House - NE164H	30	1	0.0	61.2	66	61.2	15	----	61.2	0.0	8	-8.0

RESULTS: SOUND LEVELS

KHA

Church - NE169C Good	32	1	0.0	62.9	66	62.9	15	----	62.9	0.0	8	-8.0
Shed - NE167BS	34	1	0.0	63.5	66	63.5	15	----	63.5	0.0	8	-8.0
Shed - NE168BS	35	1	0.0	64.0	66	64.0	15	----	64.0	0.0	8	-8.0
Business - NE166B	36	1	0.0	64.2	66	64.2	15	----	64.2	0.0	8	-8.0
Business - NE165B	37	1	0.0	65.9	66	65.9	15	----	65.9	0.0	8	-8.0
Business - NE170B	39	1	0.0	58.9	66	58.9	15	----	58.9	0.0	8	-8.0
Shed - NE171BS	40	1	0.0	63.2	66	63.2	15	----	63.2	0.0	8	-8.0
House - NE174H	42	1	0.0	63.6	66	63.6	15	----	63.6	0.0	8	-8.0
House - NE175MH	43	1	0.0	63.5	66	63.5	15	----	63.5	0.0	8	-8.0
Shed - NG194BS	45	1	0.0	60.1	66	60.1	15	----	60.1	0.0	8	-8.0
House - NG195H	46	1	0.0	60.4	66	60.4	15	----	60.4	0.0	8	-8.0
House - NG193H	48	1	0.0	53.6	66	53.6	15	----	53.6	0.0	8	-8.0
Noise REC - NRECP31	50	1	0.0	50.0	66	50.0	15	----	50.0	0.0	8	-8.0
Business - NA199B	52	1	0.0	60.7	66	60.7	15	----	60.7	0.0	8	-8.0
House - NA198H	54	1	0.0	59.3	66	59.3	15	----	59.3	0.0	8	-8.0
Business - NA197B	56	1	0.0	62.6	66	62.6	15	----	62.6	0.0	8	-8.0
Noise REC - NRECP29	58	1	0.0	51.4	66	51.4	15	----	51.4	0.0	8	-8.0
House - NA196MH	60	1	0.0	65.5	66	65.5	15	----	65.5	0.0	8	-8.0
House(Relo) - NE162HR	62	1	0.0	54.8	66	54.8	15	----	54.8	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction		
		Min	Avg	Max
		dB	dB	dB
All Selected	42	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

MDOT
MMR 8-5-03

5 August 2003
TNM 2.0

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: KHA
RUN: I-69, Section 8
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: 68 deg F, 50% RH

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
Noise REC - NRECP33	1	1	0.0	48.4	66	48.4	15	----	48.4	0.0	8	-8.0
House - NJ183H	3	1	0.0	57.0	66	57.0	15	----	57.0	0.0	8	-8.0
House - NJ182H	4	1	0.0	57.0	66	57.0	15	----	57.0	0.0	8	-8.0
House - NJ181H	5	1	0.0	56.4	66	56.4	15	----	56.4	0.0	8	-8.0
Shed - NJ184BS	6	1	0.0	56.0	66	56.0	15	----	56.0	0.0	8	-8.0
House - NJ185MH	7	1	0.0	54.9	66	54.9	15	----	54.9	0.0	8	-8.0
Church - NJ186C	9	1	0.0	62.6	66	62.6	15	----	62.6	0.0	8	-8.0
House - NE180H	11	1	0.0	58.1	66	58.1	15	----	58.1	0.0	8	-8.0
Church - NK373C	13	1	0.0	57.6	66	57.6	15	----	57.6	0.0	8	-8.0
Shed - NK376BS	15	1	0.0	58.6	66	58.6	15	----	58.6	0.0	8	-8.0
House - NK374H	17	1	0.0	56.7	66	56.7	15	----	56.7	0.0	8	-8.0
Business - NK375B	18	1	0.0	57.2	66	57.2	15	----	57.2	0.0	8	-8.0
House - NK372H	21	1	0.0	59.7	66	59.7	15	----	59.7	0.0	8	-8.0
School - NK371B1	22	1	0.0	58.9	66	58.9	15	----	58.9	0.0	8	-8.0
School - NK371B2	23	1	0.0	58.5	66	58.5	15	----	58.5	0.0	8	-8.0
School - NK371B3	24	1	0.0	58.1	66	58.1	15	----	58.1	0.0	8	-8.0
Ball Field - NK370B1	25	1	0.0	56.5	66	56.5	15	----	56.5	0.0	8	-8.0
Ball Field - NK370B2	26	1	0.0	62.1	66	62.1	15	----	62.1	0.0	8	-8.0
Ball Field - NK370B3	27	1	0.0	61.2	66	61.2	15	----	61.2	0.0	8	-8.0
Ball Field - NK370B4	28	1	0.0	60.5	66	60.5	15	----	60.5	0.0	8	-8.0
Ball Field - NK370B5	29	1	0.0	59.6	66	59.6	15	----	59.6	0.0	8	-8.0
Ball Field - NK370B6	30	1	0.0	59.5	66	59.5	15	----	59.5	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction

RESULTS: SOU _EVELS

KHA

		Min	Avg	Max
		dB	dB	dB
All Selected	22	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

MDOT
MMR - 7-27-03

5 August 2003
TNM 2.0

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: <Project Name?>
RUN: I-69, Section1
BARRIER DESIGN: INPUT HEIGHTS

ATMOSPHERICS: 70 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
Mobile Home (REC 1)	4	1	0.0	58.2	66	58.2	15	----	58.2	0.0	8	-8.0
Brick House (REC 2 - NAC5H)	5	1	0.0	64.7	66	64.7	15	----	64.7	0.0	8	-8.0
Verner Rd Park (REC 3)	6	1	0.0	59.3	66	59.3	15	----	59.3	0.0	8	-8.0
Verner Rd Park (REC 4)	8	1	0.0	59.0	66	59.0	15	----	59.0	0.0	8	-8.0
Verner Rd Park (REC 5)	9	1	0.0	59.2	66	59.2	15	----	59.2	0.0	8	-8.0
House - NA9H	11	1	0.0	63.2	66	63.2	15	----	63.2	0.0	8	-8.0
House - NA8H	12	1	0.0	60.1	66	60.1	15	----	60.1	0.0	8	-8.0
Oak Grove Church3 - NA408C	14	1	0.0	55.9	66	55.9	15	----	55.9	0.0	8	-8.0
Oak Grove Church1 - NA408C	15	1	0.0	56.6	66	56.6	15	----	56.6	0.0	8	-8.0
Oak Grove Church2 - NA408C	16	1	0.0	56.1	66	56.1	15	----	56.1	0.0	8	-8.0
House - NA10H	18	1	0.0	60.4	66	60.4	15	----	60.4	0.0	8	-8.0
Noise REC - NRECP4	20	1	0.0	51.0	66	51.0	15	----	51.0	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	12	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

MDOT
MMR 7-27-03

5 August 2003
TNM 2.0

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: KHA
RUN: I-69 Section 2
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
Farm - NB215B	1	1	0.0	62.7	66	62.7	15	----	62.7	0.0	10	-10.0
House - NB216H	3	1	0.0	61.5	66	61.5	15	----	61.5	0.0	10	-10.0
Mobile Home - NB219MH	5	1	0.0	64.1	66	64.1	15	----	64.1	0.0	10	-10.0
Barn - ND236BS	9	1	0.0	64.2	66	64.2	15	----	64.2	0.0	10	-10.0
House - ND237H	10	1	0.0	60.0	66	60.0	15	----	60.0	0.0	10	-10.0
Church - ND240C	12	1	0.0	56.1	66	56.1	15	----	56.1	0.0	10	-10.0
Shed - ND230BS	14	1	0.0	61.4	66	61.4	15	----	61.4	0.0	10	-10.0
Business - ND231B	15	1	0.0	59.8	66	59.8	15	----	59.8	0.0	10	-10.0
Shed - ND232BS	16	1	0.0	56.4	66	56.4	15	----	56.4	0.0	10	-10.0
House - ND233H	17	1	0.0	57.1	66	57.1	15	----	57.1	0.0	10	-10.0
House - ND234H	18	1	0.0	55.7	66	55.7	15	----	55.7	0.0	10	-10.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	11	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

MDOT
MMR 7-29-03

5 August 2003
TNM 2.0

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: KHA
RUN: I-69, Section 3
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
Noise Rec - NRECP11	1	1	0.0	59.4	66	59.4	15	----	59.4	0.0	10	-10.0
Noise Rec - NRECP12	3	1	0.0	57.6	66	57.6	15	----	57.6	0.0	10	-10.0
House - NA26H	5	1	0.0	65.2	66	65.2	15	----	65.2	0.0	10	-10.0
Storage Bldg - NA32B	6	1	0.0	64.7	66	64.7	15	----	64.7	0.0	10	-10.0
House - NA27H	7	1	0.0	62.0	66	62.0	15	----	62.0	0.0	10	-10.0
Shed - NA29BS	8	1	0.0	63.4	66	63.4	15	----	63.4	0.0	10	-10.0
Shed - NA30BS	9	1	0.0	62.2	66	62.2	15	----	62.2	0.0	10	-10.0
Shed - NA31BS	10	1	0.0	60.9	66	60.9	15	----	60.9	0.0	10	-10.0
Business - NA34B	12	1	0.0	56.9	66	56.9	15	----	56.9	0.0	10	-10.0
Business - NA35B	14	1	0.0	58.7	66	58.7	15	----	58.7	0.0	10	-10.0
Noise Rec - NRECP13	16	1	0.0	56.6	66	56.6	15	----	56.6	0.0	10	-10.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	11	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

RESULTS: SOUND LEVELS

MDOT
MMR 7-30-03

5 August 2003
TNM 2.0
* INCLUDES EASTERN, CENTRAL, & WESTERN ALIGNMENTS @ US 61 NEAR NEW AFRICAN RD

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: KHA
RUN: I-69, Section 4
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: 68 deg F, 50% RH

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
Home - NE38H	1	1	0.0	65.9	66	65.9	15	----	65.9	0.0	8	-8.0
Farm - NE106B	3	1	0.0	57.6	66	57.6	15	----	57.6	0.0	8	-8.0
Shed - NE105BS	6	1	0.0	64.8	66	64.8	15	----	64.8	0.0	8	-8.0
Home - NE107MH	9	1	0.0	54.9	66	54.9	15	----	54.9	0.0	8	-8.0
House - NE108H	11	1	0.0	58.4	66	58.4	15	----	58.4	0.0	8	-8.0
Shed - NE109BS	13	1	0.0	50.0	66	50.0	15	----	50.0	0.0	8	-8.0
Shed - NE110BS	14	1	0.0	51.0	66	51.0	15	----	51.0	0.0	8	-8.0
House - NE111HV	16	1	0.0	65.1	66	65.1	15	----	65.1	0.0	8	-8.0
House - NE112HV	17	1	0.0	59.1	66	59.1	15	----	59.1	0.0	8	-8.0
Church - NA40C	19	1	0.0	61.6	66	61.6	15	----	61.6	0.0	8	-8.0
House - NA37H	20	1	0.0	62.4	66	62.4	15	----	62.4	0.0	8	-8.0
House - NA39BR	22	1	0.0	62.3	66	62.3	15	----	62.3	0.0	8	-8.0
X Church - NA36BR (NOT EXCEED)	24	1	0.0	73.5	66	73.5	15	Snd Lvl	73.5	0.0	8	-8.0
Truck Scale - NA52B	27	1	0.0	66.7	66	66.7	15	Snd Lvl	66.7	0.0	8	-8.0
Storage - NA51B	29	1	0.0	66.6	66	66.6	15	Snd Lvl	66.6	0.0	8	-8.0
House - NA50H	33	1	0.0	60.4	66	60.4	15	----	60.4	0.0	8	-8.0
House - NA49H	35	1	0.0	63.0	66	63.0	15	----	63.0	0.0	8	-8.0
Farm - NA53B	39	1	0.0	65.3	66	65.3	15	----	65.3	0.0	8	-8.0
Farm - NA55B	41	1	0.0	64.5	66	64.5	15	----	64.5	0.0	8	-8.0
House - NA56H	43	1	0.0	64.6	66	64.6	15	----	64.6	0.0	8	-8.0
House - NA59HR (RELO)	45	1	0.0	67.5	66	67.5	15	Snd Lvl	67.5	0.0	8	-8.0
Business - NA60B	48	1	0.0	63.2	66	63.2	15	----	63.2	0.0	8	-8.0
Business - NA62B	50	1	0.0	64.9	66	64.9	15	----	64.9	0.0	8	-8.0

RESULTS: SOUND LEVELS

KHA

House - NA61H	52	1	0.0	62.6	66	62.6	15	----	62.6	0.0	8	-8.0
House - NA63HV	56	1	0.0	60.9	66	60.9	15	----	60.9	0.0	8	-8.0
House - NA64MH	58	1	0.0	63.6	66	63.6	15	----	63.6	0.0	8	-8.0
House - NA65H	60	1	0.0	60.5	66	60.5	15	----	60.5	0.0	8	-8.0
House - NA66H	62	1	0.0	63.0	66	63.0	15	----	63.0	0.0	8	-8.0
Church - NA68C	64	1	0.0	65.1	66	65.1	15	----	65.1	0.0	8	-8.0
House - NA67H	66	1	0.0	61.5	66	61.5	15	----	61.5	0.0	8	-8.0
Noise REC - NRECP18	68	1	0.0	46.5	66	46.5	15	----	46.5	0.0	8	-8.0
House - NA69HV	69	1	0.0	64.5	66	64.5	15	----	64.5	0.0	8	-8.0
House - NA70H	70	1	0.0	62.5	66	62.5	15	----	62.5	0.0	8	-8.0
House - NF102H	72	1	0.0	58.2	66	58.2	15	----	58.2	0.0	8	-8.0
House - NF101H	74	1	0.0	57.9	66	57.9	15	----	57.9	0.0	8	-8.0
House - NF100H	76	1	0.0	51.3	66	51.3	15	----	51.3	0.0	8	-8.0
Business - NF99B	78	1	0.0	50.4	66	50.4	15	----	50.4	0.0	8	-8.0
Noise Rec - NRECP15	80	1	0.0	51.2	66	51.2	15	----	51.2	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction		
		Min	Avg	Max
		dB	dB	dB
All Selected	38	0.0	0.0	0.0
All Impacted	4	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

MDOT
MMR 7-30-03

5 August 2003
TNM 2.0

* INCLUDES EASTERN ONLY ALIGNMENT @ US 61 NEAR NEW AFRICAN RD.

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: KHA
RUN: I-69, Section 4A
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: 68 deg F, 50% RH

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
Home - NE38H	1	1	0.0	65.2	66	65.2	15	----	65.2	0.0	8	-8.0
Farm - NE106B	3	1	0.0	57.6	66	57.6	15	----	57.6	0.0	8	-8.0
Shed - NE105BS	6	1	0.0	64.8	66	64.8	15	----	64.8	0.0	8	-8.0
Home - NE107MH	9	1	0.0	54.9	66	54.9	15	----	54.9	0.0	8	-8.0
House - NE108H	11	1	0.0	58.4	66	58.4	15	----	58.4	0.0	8	-8.0
Shed - NE109BS	13	1	0.0	50.0	66	50.0	15	----	50.0	0.0	8	-8.0
Shed - NE110BS	14	1	0.0	51.0	66	51.0	15	----	51.0	0.0	8	-8.0
House - NE111HV	16	1	0.0	65.1	66	65.1	15	----	65.1	0.0	8	-8.0
House - NE112HV	17	1	0.0	59.1	66	59.1	15	----	59.1	0.0	8	-8.0
Church - NA40C	19	1	0.0	55.4	66	55.4	15	----	55.4	0.0	8	-8.0
House - NA37H	20	1	0.0	56.9	66	56.9	15	----	56.9	0.0	8	-8.0
House - NA39BR	22	1	0.0	54.3	66	54.3	15	----	54.3	0.0	8	-8.0
Church - NA36BR (GOOD)	24	1	0.0	64.2	66	64.2	15	----	64.2	0.0	8	-8.0
Truck Scale - NA52B	27	1	0.0	66.7	66	66.7	15	Snd Lvl	66.7	0.0	8	-8.0
Storage - NA51B	29	1	0.0	66.6	66	66.6	15	Snd Lvl	66.6	0.0	8	-8.0
House - NA50H	33	1	0.0	60.4	66	60.4	15	----	60.4	0.0	8	-8.0
House - NA49H	35	1	0.0	63.0	66	63.0	15	----	63.0	0.0	8	-8.0
Farm - NA53B	39	1	0.0	65.3	66	65.3	15	----	65.3	0.0	8	-8.0
Farm - NA55B	41	1	0.0	64.5	66	64.5	15	----	64.5	0.0	8	-8.0
House - NA56H	43	1	0.0	64.6	66	64.6	15	----	64.6	0.0	8	-8.0
House - NA59HR	45	1	0.0	67.5	66	67.5	15	Snd Lvl	67.5	0.0	8	-8.0
Business - NA60B	48	1	0.0	63.2	66	63.2	15	----	63.2	0.0	8	-8.0
Business - NA62B	50	1	0.0	64.9	66	64.9	15	----	64.9	0.0	8	-8.0

KHA

RESULTS: SOUND LEVELS

House - NA61H	52	1	0.0	62.6	66	62.6	15	----	62.6	0.0	8	-8.0
House - NA63HV	56	1	0.0	60.9	66	60.9	15	----	60.9	0.0	8	-8.0
House - NA64MH	58	1	0.0	63.6	66	63.6	15	----	63.6	0.0	8	-8.0
House - NA65H	60	1	0.0	60.5	66	60.5	15	----	60.5	0.0	8	-8.0
House - NA66H	62	1	0.0	63.0	66	63.0	15	----	63.0	0.0	8	-8.0
Church - NA68C	64	1	0.0	65.1	66	65.1	15	----	65.1	0.0	8	-8.0
House - NA67H	66	1	0.0	61.5	66	61.5	15	----	61.5	0.0	8	-8.0
Noise REC - NRECP18	68	1	0.0	46.5	66	46.5	15	----	46.5	0.0	8	-8.0
House - NA69HV	69	1	0.0	64.5	66	64.5	15	----	64.5	0.0	8	-8.0
House - NA70H	70	1	0.0	62.5	66	62.5	15	----	62.5	0.0	8	-8.0
House - NF102H	72	1	0.0	58.2	66	58.2	15	----	58.2	0.0	8	-8.0
House - NF101H	74	1	0.0	57.9	66	57.9	15	----	57.9	0.0	8	-8.0
House - NF100H	76	1	0.0	51.3	66	51.3	15	----	51.3	0.0	8	-8.0
Business - NF99B	78	1	0.0	50.4	66	50.4	15	----	50.4	0.0	8	-8.0
Noise Rec - NRECP15	80	1	0.0	51.1	66	51.1	15	----	51.1	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction Min dB	Avg dB	Max dB
All Selected	38	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

5 August 2003
TNM 2.0

MDOT
MMR - 7-31-03

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: KHA
RUN: I-69, Section 5
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: 68 deg F, 50% RH

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
Noise REC - NRECP20	1	1	0.0	51.8	66	51.8	15	----	51.8	0.0	8	-8.0
House - NE115H	3	1	0.0	60.4	66	60.4	15	----	60.4	0.0	8	-8.0
Farm - NE117H	5	1	0.0	63.3	66	63.3	15	----	63.3	0.0	8	-8.0
Farm - NE116H	6	1	0.0	61.4	66	61.4	15	----	61.4	0.0	8	-8.0
House - NA71H	8	1	0.0	60.0	66	60.0	15	----	60.0	0.0	8	-8.0
House - NA73MH	10	1	0.0	62.7	66	62.7	15	----	62.7	0.0	8	-8.0
House - NA74H	11	1	0.0	60.6	66	60.6	15	----	60.6	0.0	8	-8.0
House - NA75H	13	1	0.0	58.1	66	58.1	15	----	58.1	0.0	8	-8.0
Business - NA76BS	16	1	0.0	64.6	66	64.6	15	----	64.6	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction Min	Avg	Max
		dB	dB	dB
All Selected	9	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

MDOT
MMR 7-31-03

5 August 2003
TNM 2.0

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: KHA
RUN: I-69, Section 6
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: 68 deg F, 50% RH

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
Business - NE124BABANDONED	1	1	0.0	60.4	66	60.4	15	----	60.4	0.0	8	-8.0
Business - NE123B	3	1	0.0	61.8	66	61.8	15	----	61.8	0.0	8	-8.0
House - NE125H	5	1	0.0	57.1	66	57.1	15	----	57.1	0.0	8	-8.0
Noise REC - NRECP25	7	1	0.0	50.7	66	50.7	15	----	50.7	0.0	8	-8.0
House - NE126H	8	1	0.0	60.1	66	60.1	15	----	60.1	0.0	8	-8.0
House - NE139H	10	1	0.0	60.1	66	60.1	15	----	60.1	0.0	8	-8.0
House - NE140H	12	1	0.0	61.9	66	61.9	15	----	61.9	0.0	8	-8.0
Business - NE141B	14	1	0.0	61.7	66	61.7	15	----	61.7	0.0	8	-8.0
House - NE142H	15	1	0.0	58.7	66	58.7	15	----	58.7	0.0	8	-8.0
Business - NG365B	25	1	0.0	59.2	66	59.2	15	----	59.2	0.0	8	-8.0
Business - NG364B	26	1	0.0	56.0	66	56.0	15	----	56.0	0.0	8	-8.0
House - NG363H	27	1	0.0	59.8	66	59.8	15	----	59.8	0.0	8	-8.0
Business - NG362B	28	1	0.0	61.4	66	61.4	15	----	61.4	0.0	8	-8.0
House - NG361MH	29	1	0.0	57.8	66	57.8	15	----	57.8	0.0	8	-8.0
Business - NG368B	31	1	0.0	63.6	66	63.6	15	----	63.6	0.0	8	-8.0
Business - NG369B	32	1	0.0	63.7	66	63.7	15	----	63.7	0.0	8	-8.0
Business - NG367B	34	1	0.0	59.7	66	59.7	15	----	59.7	0.0	8	-8.0
House - NG360H	36	1	0.0	58.4	66	58.4	15	----	58.4	0.0	8	-8.0
House - NG366H	37	1	0.0	60.1	66	60.1	15	----	60.1	0.0	8	-8.0
Shed - NG357BS	38	1	0.0	60.3	66	60.3	15	----	60.3	0.0	8	-8.0
Shed - NG359BS	39	1	0.0	62.2	66	62.2	15	----	62.2	0.0	8	-8.0
Business - NG351B	41	1	0.0	63.1	66	63.1	15	----	63.1	0.0	8	-8.0
Business - NG352B	42	1	0.0	63.1	66	63.1	15	----	63.1	0.0	8	-8.0

Business - NG353B	43	1	0.0	58.8	66	58.8	15	----	58.8	0.0	8	-8.0
Business - NG354B	44	1	0.0	57.1	66	57.1	15	----	57.1	0.0	8	-8.0
Business - NG355B	45	1	0.0	54.0	66	54.0	15	----	54.0	0.0	8	-8.0
House - NG350H	47	1	0.0	60.6	66	60.6	15	----	60.6	0.0	8	-8.0
House - NG349H	49	1	0.0	62.9	66	62.9	15	----	62.9	0.0	8	-8.0
House - NG348H	50	1	0.0	61.8	66	61.8	15	----	61.8	0.0	8	-8.0
House - NG344H	51	1	0.0	61.0	66	61.0	15	----	61.0	0.0	8	-8.0
Shed- NG346BS	52	1	0.0	59.5	66	59.5	15	----	59.5	0.0	8	-8.0
Business - NG347B	53	1	0.0	55.0	66	55.0	15	----	55.0	0.0	8	-8.0
House - NG343H	54	1	0.0	62.1	66	62.1	15	----	62.1	0.0	8	-8.0
House - NG342H	56	1	0.0	60.3	66	60.3	15	----	60.3	0.0	8	-8.0
House - NG341H	58	1	0.0	58.6	66	58.6	15	----	58.6	0.0	8	-8.0
House - NG407H	60	1	0.0	59.7	66	59.7	15	----	59.7	0.0	8	-8.0
House - NG406H	62	1	0.0	55.7	66	55.7	15	----	55.7	0.0	8	-8.0
Business - NG337B	64	1	0.0	61.5	66	61.5	15	----	61.5	0.0	8	-8.0
House - NG405H	66	1	0.0	59.7	66	59.7	15	----	59.7	0.0	8	-8.0
Business - NG335B	68	1	0.0	57.8	66	57.8	15	----	57.8	0.0	8	-8.0
House - NG336H	69	1	0.0	59.8	66	59.8	15	----	59.8	0.0	8	-8.0
Noise REC - NRECP26	71	1	0.0	52.6	66	52.6	15	----	52.6	0.0	8	-8.0
Business - NG333B	73	1	0.0	57.6	66	57.6	15	----	57.6	0.0	8	-8.0
House - NG331H	74	1	0.0	60.3	66	60.3	15	----	60.3	0.0	8	-8.0
House - NG332H	75	1	0.0	62.7	66	62.7	15	----	62.7	0.0	8	-8.0
House - NG330H	76	1	0.0	60.8	66	60.8	15	----	60.8	0.0	8	-8.0
House - NG329H	77	1	0.0	61.5	66	61.5	15	----	61.5	0.0	8	-8.0
House - NG327H	79	1	0.0	56.1	66	56.1	15	----	56.1	0.0	8	-8.0
House - NG328MH	80	1	0.0	62.4	66	62.4	15	----	62.4	0.0	8	-8.0
House - NG326H	81	1	0.0	62.3	66	62.3	15	----	62.3	0.0	8	-8.0
House - NG325H	82	1	0.0	57.9	66	57.9	15	----	57.9	0.0	8	-8.0
House - NG324H	83	1	0.0	60.7	66	60.7	15	----	60.7	0.0	8	-8.0
House - NG323H	85	1	0.0	64.4	66	64.4	15	----	64.4	0.0	8	-8.0
House - NA206H	87	1	0.0	66.0	66	66.0	15	Snd Lvl	66.0	0.0	8	-8.0
House - NA205H	88	1	0.0	64.8	66	64.8	15	----	64.8	0.0	8	-8.0
House - NG402H	90	1	0.0	60.7	66	60.7	15	----	60.7	0.0	8	-8.0
House - NG401H	92	1	0.0	59.8	66	59.8	15	----	59.8	0.0	8	-8.0
Shed - NG403BS	94	1	0.0	57.3	66	57.3	15	----	57.3	0.0	8	-8.0
Business - NG404B	95	1	0.0	62.7	66	62.7	15	----	62.7	0.0	8	-8.0
House - NG400H	97	1	0.0	62.5	66	62.5	15	----	62.5	0.0	8	-8.0
House - NG399H	98	1	0.0	63.7	66	63.7	15	----	63.7	0.0	8	-8.0
House - NG398H	99	1	0.0	63.4	66	63.4	15	----	63.4	0.0	8	-8.0
House - NG397H	100	1	0.0	62.6	66	62.6	15	----	62.6	0.0	8	-8.0

House - NG395H	101	1	0.0	64.9	66	64.9	15	----	64.9	0.0	8	-8.0
House - NG396H	102	1	0.0	61.6	66	61.6	15	----	61.6	0.0	8	-8.0
Shed - NG393BS	104	1	0.0	58.5	66	58.5	15	----	58.5	0.0	8	-8.0
Shed - NG392BS	105	1	0.0	58.9	66	58.9	15	----	58.9	0.0	8	-8.0
Shed - NG394BS	106	1	0.0	61.2	66	61.2	15	----	61.2	0.0	8	-8.0
House - NG310H	108	1	0.0	60.0	66	60.0	15	----	60.0	0.0	8	-8.0
Shed - NG391BS	110	1	0.0	60.7	66	60.7	15	----	60.7	0.0	8	-8.0
Business - NG390B	112	1	0.0	60.1	66	60.1	15	----	60.1	0.0	8	-8.0
House - NG386H	114	1	0.0	59.7	66	59.7	15	----	59.7	0.0	8	-8.0
House - NG387H	115	1	0.0	62.5	66	62.5	15	----	62.5	0.0	8	-8.0
Shed - NG388BS	116	1	0.0	59.2	66	59.2	15	----	59.2	0.0	8	-8.0
Shed - NG389BS	117	1	0.0	58.3	66	58.3	15	----	58.3	0.0	8	-8.0
House - NG384MH	119	1	0.0	59.2	66	59.2	15	----	59.2	0.0	8	-8.0
Shed - NG414BS	121	1	0.0	54.3	66	54.3	15	----	54.3	0.0	8	-8.0
House - NG415MH	122	1	0.0	61.1	66	61.1	15	----	61.1	0.0	8	-8.0
House - NG416MH	123	1	0.0	60.1	66	60.1	15	----	60.1	0.0	8	-8.0
House - NG418MH	124	1	0.0	60.4	66	60.4	15	----	60.4	0.0	8	-8.0
House - NG417MH	125	1	0.0	55.6	66	55.6	15	----	55.6	0.0	8	-8.0
House - NG419H	126	1	0.0	58.9	66	58.9	15	----	58.9	0.0	8	-8.0
House - NG413H	128	1	0.0	62.5	66	62.5	15	----	62.5	0.0	8	-8.0
House - NG312H	130	1	0.0	52.4	66	52.4	15	----	52.4	0.0	8	-8.0
House - NG383H	131	1	0.0	57.9	66	57.9	15	----	57.9	0.0	8	-8.0
House - NG314MH	133	1	0.0	59.6	66	59.6	15	----	59.6	0.0	8	-8.0
House - NG310H	135	1	0.0	59.1	66	59.1	15	----	59.1	0.0	8	-8.0
House - NG377H	136	1	0.0	54.9	66	54.9	15	----	54.9	0.0	8	-8.0
Shed - NG378BS	137	1	0.0	52.8	66	52.8	15	----	52.8	0.0	8	-8.0
Business - NG311B	138	1	0.0	53.0	66	53.0	15	----	53.0	0.0	8	-8.0
Shed - NG382BS	139	1	0.0	52.4	66	52.4	15	----	52.4	0.0	8	-8.0
Shed - NG379BS	140	1	0.0	50.0	66	50.0	15	----	50.0	0.0	8	-8.0
Shed - NG380BS	141	1	0.0	50.6	66	50.6	15	----	50.6	0.0	8	-8.0
Shed - NG381BS	142	1	0.0	49.8	66	49.8	15	----	49.8	0.0	8	-8.0
Business - NG305B	144	1	0.0	58.7	66	58.7	15	----	58.7	0.0	8	-8.0
Business - NG306B	145	1	0.0	55.9	66	55.9	15	----	55.9	0.0	8	-8.0
Business - NG307B	146	1	0.0	54.4	66	54.4	15	----	54.4	0.0	8	-8.0
House - NG308H	147	1	0.0	52.8	66	52.8	15	----	52.8	0.0	8	-8.0
House - NG309H	148	1	0.0	56.3	66	56.3	15	----	56.3	0.0	8	-8.0
House - NG297H	150	1	0.0	56.7	66	56.7	15	----	56.7	0.0	8	-8.0
Church - NG300C	151	1	0.0	52.9	66	52.9	15	----	52.9	0.0	8	-8.0
House - NG301HAbandoned	152	1	0.0	54.4	66	54.4	15	----	54.4	0.0	8	-8.0
House - NG302MH	153	1	0.0	55.0	66	55.0	15	----	55.0	0.0	8	-8.0

RESULTS: SOUND LEVELS

House - NG298H	154	1	0.0	58.4	66	58.4	15	----	58.4	0.0	8	-8.0
House - NG295H	156	1	0.0	57.2	66	57.2	15	----	57.2	0.0	8	-8.0
House - NG296H	157	1	0.0	56.7	66	56.7	15	----	56.7	0.0	8	-8.0
Business - NG290B	159	1	0.0	57.2	66	57.2	15	----	57.2	0.0	8	-8.0
House - NG291H	160	1	0.0	60.1	66	60.1	15	----	60.1	0.0	8	-8.0
House - NG292H	161	1	0.0	56.9	66	56.9	15	----	56.9	0.0	8	-8.0
House - NG293H	162	1	0.0	53.0	66	53.0	15	----	53.0	0.0	8	-8.0
Business - NG287B	164	1	0.0	56.8	66	56.8	15	----	56.8	0.0	8	-8.0
House - NG276MH	166	1	0.0	56.4	66	56.4	15	----	56.4	0.0	8	-8.0
House - NG277H	167	1	0.0	60.8	66	60.8	15	----	60.8	0.0	8	-8.0
House - NG278H	168	1	0.0	59.5	66	59.5	15	----	59.5	0.0	8	-8.0
House - NG279H	169	1	0.0	55.5	66	55.5	15	----	55.5	0.0	8	-8.0
House - NG274H	171	1	0.0	57.6	66	57.6	15	----	57.6	0.0	8	-8.0
House - NG275MH	172	1	0.0	60.0	66	60.0	15	----	60.0	0.0	8	-8.0
House - NG281MH	173	1	0.0	59.2	66	59.2	15	----	59.2	0.0	8	-8.0
House - NG273H	175	1	0.0	55.4	66	55.4	15	----	55.4	0.0	8	-8.0
Business - NG271B	176	1	0.0	52.3	66	52.3	15	----	52.3	0.0	8	-8.0
House - NG268H	178	1	0.0	56.9	66	56.9	15	----	56.9	0.0	8	-8.0
House - NG269H	179	1	0.0	57.0	66	57.0	15	----	57.0	0.0	8	-8.0
House - NG265MH	181	1	0.0	54.4	66	54.4	15	----	54.4	0.0	8	-8.0
House - NG251MH	183	1	0.0	59.7	66	59.7	15	----	59.7	0.0	8	-8.0
House - NG252HAbandoned	184	1	0.0	61.5	66	61.5	15	----	61.5	0.0	8	-8.0
House - NG253H	185	1	0.0	64.3	66	64.3	15	----	64.3	0.0	8	-8.0
House - NG254H	186	1	0.0	63.4	66	63.4	15	----	63.4	0.0	8	-8.0
House - NG255H	187	1	0.0	64.3	66	64.3	15	----	64.3	0.0	8	-8.0
Business - NG256B	188	1	0.0	62.5	66	62.5	15	----	62.5	0.0	8	-8.0
Church - NG191C	190	1	0.0	60.5	66	60.5	15	----	60.5	0.0	8	-8.0
Business - NG249B	192	1	0.0	57.3	66	57.3	15	----	57.3	0.0	8	-8.0
Business - NG250B	193	1	0.0	50.9	66	50.9	15	----	50.9	0.0	8	-8.0
Business - NG247B	195	1	0.0	57.4	66	57.4	15	----	57.4	0.0	8	-8.0
Business - NG248B	196	1	0.0	54.6	66	54.6	15	----	54.6	0.0	8	-8.0
Business - NG245B	197	1	0.0	56.7	66	56.7	15	----	56.7	0.0	8	-8.0
Business - NG246B	198	1	0.0	58.2	66	58.2	15	----	58.2	0.0	8	-8.0
House - NG242MH	199	1	0.0	49.4	66	49.4	15	----	49.4	0.0	8	-8.0
Church - NG243C	201	1	0.0	46.6	66	46.6	15	----	46.6	0.0	8	-8.0
Business - NG241B	203	1	0.0	47.8	66	47.8	15	----	47.8	0.0	8	-8.0
Church - NG244C	205	1	0.0	49.1	66	49.1	15	----	49.1	0.0	8	-8.0
House - NA85H	207	1	0.0	61.6	66	61.6	15	----	61.6	0.0	8	-8.0
House - NA78H	209	1	0.0	63.3	66	63.3	15	----	63.3	0.0	8	-8.0
Dwelling Units		**# DUs**	**Noise Reduction**									

RESULTS: SOUND LEVELS

KHA

		Min	Avg	Max
		dB	dB	dB
All Selected	142	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

MDOT
MMR 8-3-03

5 August 2003
TNM 2.0

INCLUDES MIDDLE AND TOP SECTIONS OF EASTERN ALIGNMENT JUST WEST OF US 61 INTERCHANGE

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: KHA
RUN: I-69, Section 7A
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
House - NE160H	1	1	0.0	50.3	66	50.3	15	----	50.3	0.0	8	-8.0
House - NE421H	4	1	0.0	60.0	66	60.0	15	----	60.0	0.0	8	-8.0
House - NE422H	5	1	0.0	59.7	66	59.7	15	----	59.7	0.0	8	-8.0
House - NE423H	6	1	0.0	59.8	66	59.8	15	----	59.8	0.0	8	-8.0
House - NE424H	7	1	0.0	58.4	66	58.4	15	----	58.4	0.0	8	-8.0
House - NE146H	8	1	0.0	52.1	66	52.1	15	----	52.1	0.0	8	-8.0
House - NE147H	9	1	0.0	51.3	66	51.3	15	----	51.3	0.0	8	-8.0
House - NE148H	10	1	0.0	49.8	66	49.8	15	----	49.8	0.0	8	-8.0
House - NE149H	11	1	0.0	49.1	66	49.1	15	----	49.1	0.0	8	-8.0
House - NE150H	12	1	0.0	48.9	66	48.9	15	----	48.9	0.0	8	-8.0
House - NE151H	13	1	0.0	48.9	66	48.9	15	----	48.9	0.0	8	-8.0
House - NE152H	14	1	0.0	48.1	66	48.1	15	----	48.1	0.0	8	-8.0
House - NE153H	15	1	0.0	48.9	66	48.9	15	----	48.9	0.0	8	-8.0
House - NE154H	16	1	0.0	47.6	66	47.6	15	----	47.6	0.0	8	-8.0
House - NE155H	18	1	0.0	47.9	66	47.9	15	----	47.9	0.0	8	-8.0
House - NE156H	19	1	0.0	47.2	66	47.2	15	----	47.2	0.0	8	-8.0
House - NE157H	20	1	0.0	47.5	66	47.5	15	----	47.5	0.0	8	-8.0
House - NE158H	21	1	0.0	47.3	66	47.3	15	----	47.3	0.0	8	-8.0
House - NE159H	23	1	0.0	47.3	66	47.3	15	----	47.3	0.0	8	-8.0
Noise REC - NRECP30	25	1	0.0	43.7	66	43.7	15	----	43.7	0.0	8	-8.0
House - NE161H	26	1	0.0	49.6	66	49.6	15	----	49.6	0.0	8	-8.0
Business - NA62B	28	1	0.0	52.4	66	52.4	15	----	52.4	0.0	8	-8.0
House - NE164H	30	1	0.0	61.2	66	61.2	15	----	61.2	0.0	8	-8.0

RESULTS: SOUND LEVELS KHA

Church - NE169C USE 7B	32	1	0.0	64.0	66	64.0	15	----	64.0	0.0	8	-8.0
Shed - NE167BS	34	1	0.0	65.1	66	65.1	15	----	65.1	0.0	8	-8.0
Shed - NE168BS	35	1	0.0	62.7	66	62.7	15	----	62.7	0.0	8	-8.0
Business - NE166B	36	1	0.0	63.5	66	63.5	15	----	63.5	0.0	8	-8.0
Business - NE165B	37	1	0.0	60.8	66	60.8	15	----	60.8	0.0	8	-8.0
Business - NE170B	39	1	0.0	58.9	66	58.9	15	----	58.9	0.0	8	-8.0
Shed - NE171BS	40	1	0.0	63.2	66	63.2	15	----	63.2	0.0	8	-8.0
House - NE174H	42	1	0.0	63.6	66	63.6	15	----	63.6	0.0	8	-8.0
House - NE175MH	43	1	0.0	63.5	66	63.5	15	----	63.5	0.0	8	-8.0
Shed - NG194BS	45	1	0.0	60.1	66	60.1	15	----	60.1	0.0	8	-8.0
House - NG195H	46	1	0.0	60.4	66	60.4	15	----	60.4	0.0	8	-8.0
House - NG193H	48	1	0.0	53.6	66	53.6	15	----	53.6	0.0	8	-8.0
Noise REC - NRECP31	50	1	0.0	50.0	66	50.0	15	----	50.0	0.0	8	-8.0
Business - NA199B	52	1	0.0	60.8	66	60.8	15	----	60.8	0.0	8	-8.0
House - NA198H	54	1	0.0	59.3	66	59.3	15	----	59.3	0.0	8	-8.0
Business - NA197B	56	1	0.0	62.6	66	62.6	15	----	62.6	0.0	8	-8.0
Noise REC - NRECP29	58	1	0.0	51.4	66	51.4	15	----	51.4	0.0	8	-8.0
House - NA196MH	60	1	0.0	65.5	66	65.5	15	----	65.5	0.0	8	-8.0
House(Relo) - NE162HR	62	1	0.0	54.8	66	54.8	15	----	54.8	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction		
		Min	Avg	Max
		dB	dB	dB
All Selected	42	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

MDOT
MMR 8-3-03

5 August 2003
TNM 2.0

INCLUDES TOP & BOTTOM SECTIONS OF EASTERN ALIGNMENT JUST WEST OF US 61 INTERCHANGE

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: KHA
RUN: I-69, Section 7 B
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
House - NE160H	1	1	0.0	50.3	66	50.3	15	----	50.3	0.0	8	-8.0
House - NE421H	4	1	0.0	60.0	66	60.0	15	----	60.0	0.0	8	-8.0
House - NE422H	5	1	0.0	59.7	66	59.7	15	----	59.7	0.0	8	-8.0
House - NE423H	6	1	0.0	59.8	66	59.8	15	----	59.8	0.0	8	-8.0
House - NE424H	7	1	0.0	58.4	66	58.4	15	----	58.4	0.0	8	-8.0
House - NE146H	8	1	0.0	52.1	66	52.1	15	----	52.1	0.0	8	-8.0
House - NE147H	9	1	0.0	51.3	66	51.3	15	----	51.3	0.0	8	-8.0
House - NE148H	10	1	0.0	49.8	66	49.8	15	----	49.8	0.0	8	-8.0
House - NE149H	11	1	0.0	49.1	66	49.1	15	----	49.1	0.0	8	-8.0
House - NE150H	12	1	0.0	48.9	66	48.9	15	----	48.9	0.0	8	-8.0
House - NE151H	13	1	0.0	48.9	66	48.9	15	----	48.9	0.0	8	-8.0
House - NE152H	14	1	0.0	48.1	66	48.1	15	----	48.1	0.0	8	-8.0
House - NE153H	15	1	0.0	48.9	66	48.9	15	----	48.9	0.0	8	-8.0
House - NE154H	16	1	0.0	47.6	66	47.6	15	----	47.6	0.0	8	-8.0
House - NE155H	18	1	0.0	47.9	66	47.9	15	----	47.9	0.0	8	-8.0
House - NE156H	19	1	0.0	47.2	66	47.2	15	----	47.2	0.0	8	-8.0
House - NE157H	20	1	0.0	47.5	66	47.5	15	----	47.5	0.0	8	-8.0
House - NE158H	21	1	0.0	47.3	66	47.3	15	----	47.3	0.0	8	-8.0
House - NE159H	23	1	0.0	47.3	66	47.3	15	----	47.3	0.0	8	-8.0
Noise REC - NRECP30	25	1	0.0	43.7	66	43.7	15	----	43.7	0.0	8	-8.0
House - NE161H	26	1	0.0	49.6	66	49.6	15	----	49.6	0.0	8	-8.0
Business - NA62B	28	1	0.0	52.4	66	52.4	15	----	52.4	0.0	8	-8.0
House - NE164H	30	1	0.0	61.2	66	61.2	15	----	61.2	0.0	8	-8.0

RESULTS: SOUND LEVELS

KHA

Church - NE169C Good	32	1	0.0	62.9	66	62.9	15	----	62.9	0.0	8	-8.0
Shed - NE167BS	34	1	0.0	63.5	66	63.5	15	----	63.5	0.0	8	-8.0
Shed - NE168BS	35	1	0.0	64.0	66	64.0	15	----	64.0	0.0	8	-8.0
Business - NE166B	36	1	0.0	64.2	66	64.2	15	----	64.2	0.0	8	-8.0
Business - NE165B	37	1	0.0	65.9	66	65.9	15	----	65.9	0.0	8	-8.0
Business - NE170B	39	1	0.0	58.9	66	58.9	15	----	58.9	0.0	8	-8.0
Shed - NE171BS	40	1	0.0	63.2	66	63.2	15	----	63.2	0.0	8	-8.0
House - NE174H	42	1	0.0	63.6	66	63.6	15	----	63.6	0.0	8	-8.0
House - NE175MH	43	1	0.0	63.5	66	63.5	15	----	63.5	0.0	8	-8.0
Shed - NG194BS	45	1	0.0	60.1	66	60.1	15	----	60.1	0.0	8	-8.0
House - NG195H	46	1	0.0	60.4	66	60.4	15	----	60.4	0.0	8	-8.0
House - NG193H	48	1	0.0	53.6	66	53.6	15	----	53.6	0.0	8	-8.0
Noise REC - NRECP31	50	1	0.0	50.0	66	50.0	15	----	50.0	0.0	8	-8.0
Business - NA199B	52	1	0.0	60.7	66	60.7	15	----	60.7	0.0	8	-8.0
House - NA198H	54	1	0.0	59.3	66	59.3	15	----	59.3	0.0	8	-8.0
Business - NA197B	56	1	0.0	62.6	66	62.6	15	----	62.6	0.0	8	-8.0
Noise REC - NRECP29	58	1	0.0	51.4	66	51.4	15	----	51.4	0.0	8	-8.0
House - NA196MH	60	1	0.0	65.5	66	65.5	15	----	65.5	0.0	8	-8.0
House(Relo) - NE162HR	62	1	0.0	54.8	66	54.8	15	----	54.8	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction		
		Min	Avg	Max
		dB	dB	dB
All Selected	42	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

MDOT
MMR 8-5-03

5 August 2003
TNM 2.0

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: KHA
RUN: I-69, Section 8
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
Noise REC - NRECP33	1	1	0.0	48.4	66	48.4	15	----	48.4	0.0	8	-8.0
House - NJ183H	3	1	0.0	57.0	66	57.0	15	----	57.0	0.0	8	-8.0
House - NJ182H	4	1	0.0	57.0	66	57.0	15	----	57.0	0.0	8	-8.0
House - NJ181H	5	1	0.0	56.4	66	56.4	15	----	56.4	0.0	8	-8.0
Shed - NJ184BS	6	1	0.0	56.0	66	56.0	15	----	56.0	0.0	8	-8.0
House - NJ185MH	7	1	0.0	54.9	66	54.9	15	----	54.9	0.0	8	-8.0
Church - NJ186C	9	1	0.0	62.6	66	62.6	15	----	62.6	0.0	8	-8.0
House - NE180H	11	1	0.0	58.1	66	58.1	15	----	58.1	0.0	8	-8.0
Church - NK373C	13	1	0.0	57.6	66	57.6	15	----	57.6	0.0	8	-8.0
Shed - NK376BS	15	1	0.0	58.6	66	58.6	15	----	58.6	0.0	8	-8.0
House - NK374H	17	1	0.0	56.7	66	56.7	15	----	56.7	0.0	8	-8.0
Business - NK375B	18	1	0.0	57.2	66	57.2	15	----	57.2	0.0	8	-8.0
House - NK372H	21	1	0.0	59.7	66	59.7	15	----	59.7	0.0	8	-8.0
School - NK371B1	22	1	0.0	58.9	66	58.9	15	----	58.9	0.0	8	-8.0
School - NK371B2	23	1	0.0	58.5	66	58.5	15	----	58.5	0.0	8	-8.0
School - NK371B3	24	1	0.0	58.1	66	58.1	15	----	58.1	0.0	8	-8.0
Ball Field - NK370B1	25	1	0.0	56.5	66	56.5	15	----	56.5	0.0	8	-8.0
Ball Field - NK370B2	26	1	0.0	62.1	66	62.1	15	----	62.1	0.0	8	-8.0
Ball Field - NK370B3	27	1	0.0	61.2	66	61.2	15	----	61.2	0.0	8	-8.0
Ball Field - NK370B4	28	1	0.0	60.5	66	60.5	15	----	60.5	0.0	8	-8.0
Ball Field - NK370B5	29	1	0.0	59.6	66	59.6	15	----	59.6	0.0	8	-8.0
Ball Field - NK370B6	30	1	0.0	59.5	66	59.5	15	----	59.5	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction

RESULTS: SOUND LEVELS

KHA

		Min	Avg	Max
		dB	dB	dB
All Selected	22	0.0	0.0	0.0
All Impacted	0	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0