

**RESULTS: SOUND LEVELS**

**Bake & Jeronimo**

ICF  
 Peter Hardie  
 29 August 2023  
 TNM 2.5  
 Calculated with TNM 2.5

**RESULTS: SOUND LEVELS**

**PROJECT/CONTRACT:** Bake & Jeronimo  
**RUN:** 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	No Barrier	With Barrier							
			LAeq1h	LAeq1h	Increase over existing	Type	Calculated	Noise Reduction	Calculated	Goal	Calculated	
				Calculated	Crit'n	Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calculated
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	Goal
M01.01	1	1	0.0	62.4	66	62.4	10	----	62.4	0.0	8	-8.0
M01.02	2	1	0.0	63.1	66	63.1	10	----	63.1	0.0	8	-8.0
M01.03	3	1	0.0	66.1	66	66.1	10	Snd Lvl	66.1	0.0	8	-8.0
M01.04	4	1	0.0	66.3	66	66.3	10	Snd Lvl	66.3	0.0	8	-8.0
M01.05	5	1	0.0	67.8	66	67.8	10	Snd Lvl	67.8	0.0	8	-8.0
M01.06	6	1	0.0	64.9	66	64.9	10	----	64.9	0.0	8	-8.0
M01.07	7	1	0.0	64.0	66	64.0	10	----	64.0	0.0	8	-8.0
M01.08	8	1	0.0	61.8	66	61.8	10	----	61.8	0.0	8	-8.0
M01.09	9	1	0.0	64.1	66	64.1	10	----	64.1	0.0	8	-8.0
M01.10	10	1	0.0	63.8	66	63.8	10	----	63.8	0.0	8	-8.0
M01.11	11	1	0.0	59.4	66	59.4	10	----	59.4	0.0	8	-8.0
M02.01	12	1	0.0	52.3	66	52.3	10	----	52.3	0.0	8	-8.0
M02.02	13	1	0.0	61.7	66	61.7	10	----	61.7	0.0	8	-8.0
M02.03	14	1	0.0	60.7	66	60.7	10	----	60.7	0.0	8	-8.0
M02.04	15	1	0.0	60.6	66	60.6	10	----	60.6	0.0	8	-8.0
M02.05	16	1	0.0	60.8	66	60.8	10	----	60.8	0.0	8	-8.0
M02.06	17	1	0.0	60.7	66	60.7	10	----	60.7	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							

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Receiver													
Name	No.	#DUs	Existing	No Barrier		Increase over existing			With Barrier				
			LAeq1h	LAeq1h	Crit'n	Calculated	Crit'n	Type	Calculated	Noise Reduction		Calculated	
				Calculated	dBA	dBA	dB	dB	Impact	LAeq1h	Calculated	Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB			dBA	dB	dB	dB
M01.01	1	1	0.0	62.2	66	62.2	10	----		62.2	0.0	8	-8.0
M01.02	2	1	0.0	63.1	66	63.1	10	----		63.1	0.0	8	-8.0
M01.03	3	1	0.0	65.9	66	65.9	10	----		65.9	0.0	8	-8.0
M01.04	4	1	0.0	66.2	66	66.2	10	Snd Lvl		66.2	0.0	8	-8.0
M01.05	5	1	0.0	67.7	66	67.7	10	Snd Lvl		67.7	0.0	8	-8.0
M01.06	6	1	0.0	64.9	66	64.9	10	----		64.9	0.0	8	-8.0
M01.07	7	1	0.0	64.1	66	64.1	10	----		64.1	0.0	8	-8.0
M01.08	8	1	0.0	61.8	66	61.8	10	----		61.8	0.0	8	-8.0
M01.09	9	1	0.0	64.1	66	64.1	10	----		64.1	0.0	8	-8.0
M01.10	10	1	0.0	63.8	66	63.8	10	----		63.8	0.0	8	-8.0
M01.11	11	1	0.0	59.4	66	59.4	10	----		59.4	0.0	8	-8.0
M02.01	12	1	0.0	52.4	66	52.4	10	----		52.4	0.0	8	-8.0
M02.02	13	1	0.0	61.7	66	61.7	10	----		61.7	0.0	8	-8.0
M02.03	14	1	0.0	60.7	66	60.7	10	----		60.7	0.0	8	-8.0
M02.04	15	1	0.0	60.6	66	60.6	10	----		60.6	0.0	8	-8.0
M02.05	16	1	0.0	60.8	66	60.8	10	----		60.8	0.0	8	-8.0
M02.06	17	1	0.0	60.8	66	60.8	10	----		60.8	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		2	0.0	0.0	0.0								
All that meet NR Goal		0	0.0	0.0	0.0								

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Receiver												
Name	No.	#DUs	Existing	No Barrier		Increase over existing		Type Impact	With Barrier			
			LAeq1h	LAeq1h	Crit'n	Calculated	Crit'n		Calculated	Noise Reduction	Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
M01.01	1	1	0.0	63.0	66	63.0	10	----	63.0	0.0	8	-8.0
M01.02	2	1	0.0	63.7	66	63.7	10	----	63.7	0.0	8	-8.0
M01.03	3	1	0.0	66.7	66	66.7	10	Snd Lvl	66.7	0.0	8	-8.0
M01.04	4	1	0.0	66.9	66	66.9	10	Snd Lvl	66.9	0.0	8	-8.0
M01.05	5	1	0.0	68.3	66	68.3	10	Snd Lvl	68.3	0.0	8	-8.0
M01.06	6	1	0.0	65.3	66	65.3	10	----	65.3	0.0	8	-8.0
M01.07	7	1	0.0	64.4	66	64.4	10	----	64.4	0.0	8	-8.0
M01.08	8	1	0.0	62.2	66	62.2	10	----	62.2	0.0	8	-8.0
M01.09	9	1	0.0	64.5	66	64.5	10	----	64.5	0.0	8	-8.0
M01.10	10	1	0.0	64.2	66	64.2	10	----	64.2	0.0	8	-8.0
M01.11	11	1	0.0	59.8	66	59.8	10	----	59.8	0.0	8	-8.0
M02.01	12	1	0.0	52.8	66	52.8	10	----	52.8	0.0	8	-8.0
M02.02	13	1	0.0	62.1	66	62.1	10	----	62.1	0.0	8	-8.0
M02.03	14	1	0.0	61.0	66	61.0	10	----	61.0	0.0	8	-8.0
M02.04	15	1	0.0	60.9	66	60.9	10	----	60.9	0.0	8	-8.0
M02.05	16	1	0.0	61.1	66	61.1	10	----	61.1	0.0	8	-8.0
M02.06	17	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							

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			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
M01.01	1	1	0.0	62.8	66	62.8	10	----	62.8	0.0	8	-8.0
M01.02	2	1	0.0	63.7	66	63.7	10	----	63.7	0.0	8	-8.0
M01.03	3	1	0.0	66.5	66	66.5	10	Snd Lvl	66.5	0.0	8	-8.0
M01.04	4	1	0.0	66.8	66	66.8	10	Snd Lvl	66.8	0.0	8	-8.0
M01.05	5	1	0.0	68.2	66	68.2	10	Snd Lvl	68.2	0.0	8	-8.0
M01.06	6	1	0.0	65.3	66	65.3	10	----	65.3	0.0	8	-8.0
M01.07	7	1	0.0	64.3	66	64.3	10	----	64.3	0.0	8	-8.0
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M01.09	9	1	0.0	64.5	66	64.5	10	----	64.5	0.0	8	-8.0
M01.10	10	1	0.0	64.2	66	64.2	10	----	64.2	0.0	8	-8.0
M01.11	11	1	0.0	59.8	66	59.8	10	----	59.8	0.0	8	-8.0
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M02.02	13	1	0.0	62.1	66	62.1	10	----	62.1	0.0	8	-8.0
M02.03	14	1	0.0	61.0	66	61.0	10	----	61.0	0.0	8	-8.0
M02.04	15	1	0.0	60.9	66	60.9	10	----	60.9	0.0	8	-8.0
M02.05	16	1	0.0	61.1	66	61.1	10	----	61.1	0.0	8	-8.0
M02.06	17	1	0.0	61.1	66	61.1	10	----	61.1	0.0	8	-8.0
Dwelling Units		# DUs	Noise Reduction									
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