

Appendix E

Traffic Noise Model Results



RESULTS: SOUND LEVELS

<Project Name?>

<Organization?>		20 October 2016										
<Analysis By?>		TNM 2.5										
		Calculated with TNM 2.5										
RESULTS: SOUND LEVELS												
PROJECT/CONTRACT:		<Project Name?>										
RUN:		KGI Project - Existing Run										
BARRIER DESIGN:		INPUT HEIGHTS										
ATMOSPHERICS:		20 deg C, 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 minus Goal
										Calculated	Goal	Calculated minus Goal
			dB	dB	dB	dB	dB		dB	dB	dB	dB
Bucknell and Arrow	86	1	0.0	66.1	66	66.1	10	Snd Lvl	66.1	0.0	8	-8.0
Indian and Arrow	90	1	0.0	69.5	66	69.5	10	Snd Lvl	69.5	0.0	8	-8.0
Paul Road	96	1	0.0	57.3	66	57.3	10	----	57.3	0.0	8	-8.0
Dwelling Units		# DUs	Noise Reduction									
			Min	Avg	Max							
			dB	dB	dB							
All Selected		3	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

<Project Name?>

<Organization?>													20 October 2016	
<Analysis By?>													TNM 2.5	
													Calculated with TNM 2.5	
RESULTS: SOUND LEVELS														
PROJECT/CONTRACT:			<Project Name?>											
RUN:			KGI Project - Existing Run											
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 LAeq1h Calculated	Crit'n	Increase over existing		With Barrier					
							Calculated	Crit'n	Type Impact	Calculated LAeq1h	Noise Reduction		Calculated minus Goal	
								Sub'l Inc			Calculated	Goal	Calculated minus Goal	
				dB	dB	dB	dB	dB		dB	dB	dB	dB	
Bucknell and Arrow		86	1	0.0	66.5	66	66.5	10	Snd Lvl	66.5	0.0	8	-8.0	
Indian and Arrow		90	1	0.0	69.7	66	69.7	10	Snd Lvl	69.7	0.0	8	-8.0	
Paul Road		96	1	0.0	57.5	66	57.5	10	----	57.5	0.0	8	-8.0	
Dwelling Units			# DUs	Noise Reduction										
				Min	Avg	Max								
				dB	dB	dB								
All Selected			3	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

<Project Name?>

<Organization?>		24 October 2016											
<Analysis By?>		TNM 2.5											
		Calculated with TNM 2.5											
RESULTS: SOUND LEVELS													
PROJECT/CONTRACT:		<Project Name?>											
RUN:		KGI Project - Cumulative Run											
BARRIER DESIGN:		INPUT HEIGHTS											
ATMOSPHERICS:		20 deg C, 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
			dB	dB	dB	dB	dB		dB	dB	dB	dB	dB
Bucknell and Arrow	86	1	0.0	67.1	66	67.1	10	Snd Lvl	67.1	0.0	8	-8.0	
Indian and Arrow	90	1	0.0	70.4	66	70.4	10	Snd Lvl	70.4	0.0	8	-8.0	
Paul Road	96	1	0.0	58.3	66	58.3	10	----	58.3	0.0	8	-8.0	
Dwelling Units		# DUs	Noise Reduction										
			Min	Avg	Max								
			dB	dB	dB								
All Selected		3	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

<Project Name?>

<Organization?>													24 October 2016	
<Analysis By?>													TNM 2.5	
													Calculated with TNM 2.5	
RESULTS: SOUND LEVELS														
PROJECT/CONTRACT:			<Project Name?>											
RUN:			KGI Project - Cumulative Plus Project Run											
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 LAeq1h Calculated	Crit'n	Increase over existing		With Barrier					
							Calculated	Crit'n	Type Impact	Calculated LAeq1h	Noise Reduction		Calculated minus Goal	
								Sub'l Inc			Calculated	Goal	Calculated minus Goal	
				dB	dB	dB	dB	dB		dB	dB	dB	dB	
Bucknell and Arrow		86	1	0.0	67.3	66	67.3	10	Snd Lvl	67.3	0.0	8	-8.0	
Indian and Arrow		90	1	0.0	70.5	66	70.5	10	Snd Lvl	70.5	0.0	8	-8.0	
Paul Road		96	1	0.0	58.4	66	58.4	10	----	58.4	0.0	8	-8.0	
Dwelling Units			# DUs	Noise Reduction										
				Min	Avg	Max								
				dB	dB	dB								
All Selected			3	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								