

Appendix G: Noise Supporting Information

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Construction Activity Noise Calculation

Receptor: Receiving residential for Billboard #1		Noise Level Calculation Prior to Implementation of Noise Attenuation Requirements									
No.	Equipment Description	Reference (dBA) 50 ft	Quantity	Usage factor[1]	Distance to Receptor	Ground Effect[2]	Shielding (dBA)[3]	Calculated (dBA)		Energy	
		Lmax						Lmax	Leq		
1	Crane	85	1	16	350	1	3	65.1	48.7	73930.87778	
2											
3											
4											
5											
6											
7											
8											
9											
10											
Notes:								Lmax[4]	65	Leq	49

- [1] Percentage of time activity occurs each hour
- [2] Soft ground terrain between project site and receptor.
- [3] Shielding due to terrain or structures
- [4] Calculated Lmax is the Loudest value.

Construction Activity Noise Calculation

Receptor: Receiving residential for Billboard #2		Noise Level Calculation Prior to Implementation of Noise Attenuation Requirements									
No.	Equipment Description	Reference (dBA) 50 ft	Quantity	Usage factor[1]	Distance to Receptor	Ground Effect[2]	Shielding (dBA)[3]	Calculated (dBA)		Energy	
		Lmax						Lmax	Leq		
1	Crane	85	1	16	1500	1	3	52.5	29.7	939.1959659	
2											
3											
4											
5											
6											
7											
8											
9											
10											
Notes:								Lmax[4]	52	Leq	30

- [1] Percentage of time activity occurs each hour
- [2] Soft ground terrain between project site and receptor.
- [3] Shielding due to terrain or structures
- [4] Calculated Lmax is the Loudest value.

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