

Appendix U. Vibration Calculations

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	RMS Velocity (in/sec)			
Receptor				
Source Receptor Distance	25	15	20	25
Equipment				
Vibratory roller	0.21	0.45	0.29	0.21
Caisson Drill	0.089	0.19	0.12	0.09
Large bulldozer	0.089	0.19	0.12	0.09
Small bulldozer	0.003	0.01	0.00	0.00
Jackhammer	0.035	0.08	0.05	0.04
Loaded trucks	0.076	0.16	0.11	0.08
Annoyance Criteria		0.900	0.900	0.900
Building Damage Criteria		0.5	0.5	0.5