construction Noise at 50 Feet (dBA Leq) Construction Phase iround Clearing/Demolition xcavation oundation Construction uilding Construction inishing and Site Cleanup	All Applicable Equipment in Use ¹ 84 88	Minimum Required Equipment in Use ¹	50
iround Clearing/Demolition xcavation oundation Construction uilding Construction	84		
xcavation oundation Construction uilding Construction		84	
oundation Construction uilding Construction	88		
uilding Construction		78	
=	88	88	
inishing and Site Cleanup	79	78	
	84	84	
orth - Residential Iaximum Construction Noise (dBA Leq)			100
Construction Phase	All Applicable Equipment in Use ¹	Minimum Required Equipment in Use ¹	100
iround Clearing/Demolition	78	78	
xcavation (Site Preparation)	82	72	
oundation Construction	82	82	
uilding Construction	73	72	
aving	78	78	
verage Construction Noise (dBA Leq)			1,200
Construction Phase	All Applicable Equipment in Use ¹	Minimum Required Equipment in Use ¹	•
iround Clearing/Demolition	56	56	
xcavation (Site Preparation)	60	50	
oundation Construction	60	60	
	51	50	
uilding Construction aving	56	56	
/est - Hotel laximum Construction Noise (dBA Leq)			2,250
Construction Phase	All Applicable Equipment in Use ¹	Minimum Required Equipment in Use ¹	2,230
	51	51	
iround Clearing/Demolition	55	45	
xcavation (Site Preparation)			
oundation Construction	55	55	
uilding Construction	46	45	
aving	51	51	
verage Construction Noise (dBA Leq) Construction Phase	All Applicable Equipment in Use ¹	Minimum Required Equipment in Use ¹	2,610
	50	50	
round Clearing/Demolition xcavation (Site Preparation)	54	44	
oundation Construction	54	54	
	45	54 44	
uilding Construction aving	50	50	
-			
outh - Golf Course laximum Construction Noise (dBA Leg)			120
Construction Phase	All Applicable Equipment in Use ¹	Minimum Required Equipment in Use ¹	120
round Clearing/Demolition	76	76	
xcavation (Site Preparation)	80	70	
oundation Construction	80	80	
uilding Construction	71	70	
aving	76	76	
	. •		
verage Construction Noise (dBA Leq)			590
Construction Phase	All Applicable Equipment in Use ¹	Minimum Required Equipment in Use ¹	
round Clearing/Demolition	63	63	
xcavation (Site Preparation)	67	57	
oundation Construction	67	67	
uilding Construction	58 63	57 63	
aving	03	03	
ast - Light Industrial			
laximum Construction Noise (dBA Leq)			1,640
Construction Phase	All Applicable Equipment in Use ¹	Minimum Required Equipment in Use ¹	
round Clearing/Demolition	54	54	
xcavation (Site Preparation)	58	48	
oundation Construction	58	58	
uilding Construction	49	48	
aving	54	54	
verage Construction Noise (dBA Leq)			2,180
Construction Phase	All Applicable Equipment in Use ¹	Minimum Required Equipment in Use ¹	2,100
round Clearing/Demolition	51	51	
xcavation (Site Preparation)	55	45	
oundation Construction	55	55	
uilding Construction	46	45	
aving	51	51	

Construction Generated Vibration

North - Residential		Closest Distance (feet):	120
	Approximate RMS a	Approximate RMS	
	66	73.000	
Eguipment	inch/second	inch/second	
Vibratory roller	0.21	0.020	
Large bulldozer	0.089	0.008	
Small bulldozer	0.003	0.000	
Jackhammer	0.035	0.003	
Loaded trucks	0.076	0.007	
Loaded lideks	Criteria	0.250	1700
West - Hotel	Ontonia	Closest Distance (feet):	2,00
	Approximate RMS a	Approximate RMS	
	Velocity at 25 ft,	Velocity Level,	
Equipment	inch/second	inch/second	
Vibratory roller	0.21	0.000	
Large bulldozer	0.089	0.000	
Small bulldozer	0.003	0.000	
Jackhammer	0.035	0.000	
Loaded trucks	0.076	0.000	
	Criteria	0.250	
South - Golf Course		Closest Distance (feet):	2,10
	Approximate RMS a	Approximate RMS	
	Velocity at 25 ft,	Velocity Level,	
Equipment	inch/second	inch/second	
Vibratory roller	0.21	0.000	
Large bulldozer	0.089	0.000	
Small bulldozer	0.003	0.000	
Jackhammer	0.035	0.000	
Loaded trucks	0.076	0.000	
	Criteria	0.250	
East - Light Industrial		Closest Distance (feet):	1,60
	Approximate RMS a	Approximate RMS	
	Velocity at 25 ft,	Velocity Level,	
Equipment	inch/second	inch/second	
Vibratory roller	0.21	0.000	
Large bulldozer	0.089	0.000	
Small bulldozer	0.003	0.000	
Jackhammer	0.035	0.000	
Loaded trucks	0.076	0.000	
	Criteria	0.250	
Based on distance to nearest structure			
,	c hammers that may be used for pavement demolition a	t a distance of 25 feet	
Notes: RMS velocity calculated from vibration level (VdB			
Source: Based on methodology from the Un Assess <i>ment</i> (2006).	ited States Department of Transportation F	ederal Transit Administration, <i>Transit Noise al</i>	nd Vibration Impact