Appendix K

Noise Measurement Data Sheet

GROUNDBORNE VIBRATION ANALYSIS			
Project:	1300 Lawrence Drive		Date: 3/13/23
Source:	Vibratory Roller		
Scenario:	Unmitigated		
Location:	Project Site		
Address:	closest offsite receptor (over 1,000 feet from the Project Boundary)		
PPV = PPVref(25/D)^n (in/sec)			
INPUT			
Equipment = Type	1	Vibratory Roller	INPUT SECTION IN GREEN
PPVref =	0.21	Reference PPV (in/sec) at 25 ft.	
D =	1,000.00	Distance from Equipment to Receiver (ft)	
n =	1.50	Vibration attenuation rate through the ground	
Note: Based on reference equation 7-2 from Transit Noise and Vibration Impact Assessment Manual, Federal Transit Administration, 2018, pg 185.			
RESULTS			
PPV =	0.0008	IN/SEC	OUTPUT IN BLUE

GROUNDBORNE VIBRATION ANALYSIS			
Project:	1300 Lawrence Drive		Date: 3/13/23
Source:	Vibratory Roller		
Scenario:	unmitigated		
Location:	Project Site		
Address:	Commercial/industrial building 50 feet to the south		
PPV = PPVref(25/D)^n (in/sec)			
INPUT			
Equipment = Type	1	Vibratory Roller	INPUT SECTION IN GREEN
PPVref =	0.21	Reference PPV (in/sec) at 25 ft.	
D =	50.00	Distance from Equipment to Receiver (ft)	
n =	1.50	Vibration attenuation rate through the ground	
Note: Based on reference equation 7-2 from Transit Noise and Vibration Impact Assessment Manual, Federal Transit Administration, 2018, pg 185.			
RESULTS			
PPV =	0.074	IN/SEC	OUTPUT IN BLUE