APPENDIX D CONSTRUCTION NOISE

550 Washington Street FEIS Construction Noise Analysis 354 West Street (160 Leroy Street) Sumes Simultaneous Construction of All Buildings

				Voor 1	L Results				ır 2 Results					Ve	ar 3 Results	Year 4 Results						
Building Heigl	nt Façade Floo	Calculated construction Noise level	Non Construction Noise		Increment Impact?	P Total L10	Dominant Noise Source	Calculated construction Noise level	Non Construction Noise	Total Level	Increment Imp	ect? Total L10	Dominant Noise Source	Calculated construction Noise level	Non Construction Noise		Dominant Noise Source	Calculated construction Noise level	Non Construction Noise		ncrement Impact? T	Total L10 Dominant Noise Source
		L _{eq (dBA)}	L _{eq (dBA)}	L _{eq (dBA)}		L ₁₀		L _{iq (dBA)}	L _{eq (dBA)}	L _{eq (dBA)}		L ₁₀		L _{eq (dBA)}	L _{eq (dBA)}	L _{eq (dBA)} L ₁₀		L _{eq (dbA)}	L _{eq (ditA)}	L _{eq (dBA)}		L ₁₀
(m)		50.0				20.0						70.0		50.4		711						Tr. o
354 West Street 1.52		56.8 57.2	74.4	74.5	0.1 no			50.6	74.4	74.4		76.0		*****	74.4	74.4 0.0 no 76.0		45.8	74.4			76.0
354 West Street 5.46 354 West Street 9.4		57.2	74.4 74.4	74.5 74.5		76.0		51.6 52.9	74.4 74.4	74.4		76.0		51.3 52.7	74.4	74.4 0.0 no 76.0 74.4 0.0 no 76.0		46.2 46.7	74.4	74.4		76.0 76.0
354 West Street 9.4		57.4	74.4		0.1 no			52.9	74.4	74.4		76.0		52.7	74.4	74.4 0.0 no 76.0		46.7	74.4			76.0
	8 North 5	58.5	74.4	74.5	0.1 no			54.7	74.4	74.4		76.0		54.5	74.4	74.4 0.0 no 76.0		48.4	74.4	74.4		76.0
354 West Street 21.2		58.9	74.4	74.5	0.1 no			54.7	74.4	74.4		76.0		54.5	74.4	74.4 0.0 no 76.0		48.5	74.4			76.0
354 West Street 25.1		59.2	74.4	74.5				55.0	74.4	74.4		76.0		54.5	74.4	74.4 0.0 no 76.0		48.5	74.4			76.0
354 West Street 29.1	North 8	59.2	74.4	74.5	0.1 no			53.3	74.4	74.4		76.0		51.8	74.4	74.4 0.0 no 76.0		46.4	74.4	74.4		76.0
354 West Street 33.0		60.2	74.4	74.6	0.2 no			51.8	74.4	74.4		76.0		51.2	74.4	74.4 0.0 no 76.0		46.6	74.4	74.4		76.0
354 West Street 36.9		60.4	74.4	74.6	0.2 no			52.3	74.4	74.4		76.0		51 9	74.4	74.4 0.0 no 76.0		46.9	74.4			76.0
354 West Street 40.9		60.7	74.4		0.2 no			51.3	74.4	74.4		76.0		52.7	74.4	74.4 0.0 no 76.0		47.5	74.4			76.0
354 West Street 44.8	6 North 12	62.7	74.4	74.7		76.0		56.2	74.4	74.5		76.0		56.3	74.4	74.5 0.1 no 76.0		52.2	74.4			76.0
354 West Street 1.52	South 1	76.7	74.4	78.7	4.3 ves	81.7	Impact Pile Drivers, hoe rams, concrete saws	73.5	74.4	77.0	2.6 n	76.0		73.4	74.4	76.9 2.5 no 76.0		66.2	74.4	75.0		76.0
354 West Street 5.46	South 2	79.1	74.4	80.4	6.0 yes	83.4	Impact Pile Drivers, hoe rams, concrete saws	75.4	74.4	77.9	3.5 ye	s 80.9	Excavator	75.3	74.4	77.9 3.5 yes 80.9	Excavator	68.9	74.4	75.5	1.1 no	76.0
354 West Street 9.4	South 3	82.6	74.4	83.2	8.8 yes	86.2	Impact Pile Drivers, hoe rams, concrete saws	77.1	74.4	79.0	4.6 ye	s 82.0	Excavator	76.9	74.4	78.8 4.4 yes 81.8	Excavator	71.0	74.4	76.0	1.6 no	76.0
354 West Street 13.3	3 South 4	83.7	74.4	84.2	9.8 yes	87.2	Impact Pile Drivers, hoe rams, concrete saws	77.8	74.4	79.4	5.0 ye	s 82.4	Excavator	77.3	74.4	79.1 4.7 yes 82.1	Excavator	71.1	74.4	76.1		76.0
354 West Street 17.2	7 South 5	83.8	74.4	84.3	9.9 yes	87.3	Impact Pile Drivers, hoe rams, concrete saws	77.5	74.4	79.2		s 82.2	Excavator	77.0	74.4	78.9 4.5 yes 81.9	Excavator	71.3	74.4	76.1	1.7 no	76.0
354 West Street 21.2	1 South 6	83.8	74.4	84.3	9.9 yes	87.3	Impact Pile Drivers, hoe rams, concrete saws	77.5	74.4	79.2	4.8 ye	s 82.2	Excavator	77.0	74.4	78.9 4.5 yes 81.9	Excavator	71.4	74.4	76.2	1.8 no	76.0
354 West Street 25.1	5 South 7	83.6	74.4	84.1	9.7 yes	87.1	Impact Pile Drivers, hoe rams, concrete saws	77.4	74.4	79.2	4.8 ye	s 82.2	Excavator	77.0	74.4	78.9 4.5 yes 81.9	Excavator	71.3	74.4	76.1	1.7 no	76.0
354 West Street 29.0	8 South 8	83.4	74.4	83.9	9.5 yes	86.9	Impact Pile Drivers, hoe rams, concrete saws	77.2	74.4	79.0	4.6 ye	s 82.0	Excavator	76.8	74.4	78.8 4.4 yes 81.8	Excavator	71.4	74.4	76.2	1.8 no	76.0
354 West Street 33.0	2 South 9	83.3	74.4	83.8	9.4 yes	86.8	Impact Pile Drivers, hoe rams, concrete saws	77.0	74.4	78.9	4.5 ye	s 81.9	Excavator	76.6	74.4	78.6 4.2 yes 81.6	Excavator	71.4	74.4	76.2	1.8 no	76.0
354 West Street 36.9	6 South 10	83.0	74.4	83.6	9.2 yes		Impact Pile Drivers, hoe rams, concrete saws	76.8	74.4	78.8		s 81.8	Excavator	76.4	74.4	78.5 4.1 yes 81.5	Excavator	71.3	74.4			76.0
354 West Street 40.8		82.8	74.4	83.4	9.0 yes		Impact Pile Drivers, hoe rams, concrete saws	76.5	74.4	78.6		s 81.6	Excavator	76.2	74.4	78.4 4.0 yes 81.4	Excavator	71.2	74.4			76.0
354 West Street 44.8	3 South 12	82.7	74.4	83.3		86.3	Impact Pile Drivers, hoe rams, concrete saws	76.3	74.4	78.5		s 81.5	Excavator	75.9	74.4	78.2 3.8 yes 81.2	Excavator	71.1	74.4	76.1		76.0
354 West Street 1.52		62.2	82.7	82.7		82.8	Impact Pile Drivers, hoe rams, concrete saws	63.9	82.7	82.8		82.8		63.0	82.7	82.7 0.0 no 82.8		56.3	82.7			82.8
354 West Street 5.46		67.3	82.7	82.8			Impact Pile Drivers, hoe rams, concrete saws	65.2	82.7			82.8		64.2	82.7	82.8 0.1 no 82.8		58.0	82.7		0.0 no	
354 West Street 9.4		67.8	82.7	82.8				65.5	82.7	82.8		p 82.8		64.6	82.7	82.8 0.1 no 82.8		59.6	82.7			82.8
354 West Street 13.3		68.9	82.7	82.9				66.3	82.7	82.8		p 82.8		65.2	82.7	82.8 0.1 no 82.8		60.6	82.7			82.8
	8 West 5	69.2	82.7	82.9	0.2 no			67.1	82.7	82.8		p 82.8		63.9	82.7	82.8 0.1 no 82.8		57.8	82.7			82.8
354 West Street 21.2	2 West 6	66.3	82.7	82.8	0.1 no			66.5	82.7	82.8		82.8		62.6	82.7	82.7 0.0 no 82.8		55.8	82.7			82.8
	6 West 7	65.4	82.7	82.8		82.8		66.3	82.7	82.8		82.8		62.6	82.7	82.7 0.0 no 82.8		55.7	82.7	82.7		82.8
354 West Street 29.1		65.4	82.7	82.8	0.1 no			66.2	82.7	82.8		D 82.8		62.5	82.7	82.7 0.0 no 82.8		55.8	82.7			82.8
354 West Street 33.0		65.5	82.7	82.8				66.0	82.7	82.8		D 82.8		62.4	82.7	82.7 0.0 no 82.8		56.0	82.7			82.8
354 West Street 36.9		66.1	82.7		0.1 no			65.8	82.7	82.8		D 82.8		62.3	82.7	82.7 0.0 no 82.8		56.0	82.7			82.8
354 West Street 40.9		66.1	82.7	82.8	0.1 no			65.6	82.7	82.8		p 82.8		62.2	82.7	82.7 0.0 no 82.8		55.9	82.7			82.8
354 West Street 44.8	6 West 12	66.1	82.7	82.8	0.1 no	82.8		65.4	82.7	82.8	0.1 n	D 82.8		62.0	82.7	82.7 0.0 no 82.8		55.7	82.7	82.7	0.0 no	82.8

				L Results		Year 2 Results				3 Results		Year 4 Results	
Building	Height	Façade Floor Calculated construction Noise le L _{iq (dbA)}	vel Non Construction Noise L _{eq (dBA)}	Total Level Total L10 L _{eq (dBA)} L ₁₀	Dominant Noise Source Calculated construction Noise Leg (dBA)	e level Non Construction Noise Total Level L _{Nq (dBA)} L _{Nq (dBA)}	Total L10 Dominant Noise Source L ₁₀	Calculated construction Noise level L _{eq (dBA)}	Non Construction Noise L _{eq (dBA)}	Total Level L _{eq (dBA)}		on Noise level Non Construction Noise Total Level Total L10 $L_{eq (dBA)} \qquad L_{eq (dBA)} \qquad L_{eq (dBA)} \qquad L_{10}$	Dominant Noise Source
North		East 1 63.9	72.4	72.9 73.3	64.4	72.4 73.0	73.3	64.2	72.4	73.0	73.3 63.7	72.4 72.9 73.3	
North North	9.45	East 2 67.7 East 3 69.0	72.4 72.4	73.6 73.3 74.0 73.3	67.9	72.4 73.7	73.3 73.3	67.2 67.7	72.4 72.4	73.5 73.6	73.3 67.3	72.4 73.5 73.3 72.4 73.5 73.3	
North North	17.01	East 4 69.7 East 5 70.0	72.4 72.4	74.2 73.3 74.4 73.3		72.4 73.8 72.4 73.9	73.3 73.3	68.6 69.6	72.4 72.4	74.2		72.4 73.8 73.3 72.4 74.1 73.3	
North North	24.57	East 6 70.4 East 7 71.2	72.4 72.4	74.5 73.3 74.8 73.3	69.0 70.0	72.4 74.0 72.4 74.4	73.3 73.3	69.6 69.4	72.4 72.4	74.1		72.4 74.1 73.3 72.4 74.0 73.3	
North North	28.35 32.13	East 8 71.2 East 9 70.6 East 10 70.4	72.4 72.4 72.4	74.8 73.3 74.6 73.3 74.5 73.3	69.4	72.4 74.3 72.4 74.1	73.3 73.3 73.3	69.1 68.8	72.4 72.4 72.4	74.0 73.9 73.9	73.3 68.4	72.4 74.0 73.3 72.4 73.8 73.3 72.4 73.8 73.3	
North North North	39.69	East 10 70.4 East 11 70.3 East 12 58.1	72.4 72.4 72.4	74.5 73.3	69.0	72.4 74.0	73.3 73.3 73.3	68.6 68.4 53.8	72.4 72.4 72.4	73.8	73.3 68.0	72.4 73.7 73.3	
North North	44.47	East 12 64.4 East 13 61.2	75.0 72.4	72.5 73.3 75.4 76.6 72.7 73.3		75.0 75.1	76.6 73.3	59.2 58.4	75.0 72.4	72.4 75.1 72.5		75.0 75.1 76.6	
North North	48.25	East 13 71.9 East 14 67.2	75.0 75.4	76.7 76.6 73.5 73.3	67.6	75.0 75.7	76.6 73.3	66.8 63.4	75.0 72.4	75.6 72.9	76.6 64.8	75.0 75.4 76.6	
North North	52.03	East 14 75.9 East 15 69.9	75.0 72.4	78.5 81.5 74.3 73.3	Impact Pile Driver, Concrete Saw, Hoe Ram 70.7 65.6	75.0 76.4 72.4 73.2	76.6 73.3	69.9 65.3	75.0 72.4		76.6 68.8	75.0 75.9 76.6 72.4 72.9 73.3	
North North	55.81 58.59	East 15 76.9 East 16 70.7	75.0 72.4	74.6 73.3	Impact Pile Driver, Concrete Saw, Hoe Ram 71.0 66.9	75.0 76.5 72.4 73.5	76.6 73.3	70.4 66.6	75.0 72.4	76.3 73.4	76.6 69.2 73.3 65.4	75.0 76.0 76.6 72.4 73.2 73.3	
North North	62.37	East 16 77.1 East 17 71.4	75.0 72.4	74.9 73.3	Impact Pile Driver, Concrete Saw, Hoe Ram 71.2 67.4		76.6 73.3	70.6 66.6	75.0 72.4	76.3 73.4	73.3 65.3	75.0 76.1 76.6 72.4 73.1 73.3	
North North	66.15	East 17 77.6 East 18 71.6	75.0 72.4	75.0 73.3	Impact Pile Driver, Concrete Saw, Hoe Ram 71.1 67.6	75.0 76.5 72.4 73.6	76.6 73.3	70.7 66.6	75.0 72.4	76.4 73.4	73.3 65.3	75.0 76.1 76.6 72.4 73.1 73.3	
North North	67.15 69.93	East 18 77.6 East 19 72.3	75.0 72.4	79.5 82.5 75.3 73.3	Impact Pile Driver, Concrete Saw, Hoe Ram 71.2 68.1	75.0 76.5 72.4 73.7	76.6 73.3	70.6 67.2	75.0 72.4	76.3 73.5 76.3	76.6 69.7 73.3 65.3	75.0 76.1 76.6 72.4 73.1 73.3 75.0 76.1 76.6	
North North North	73.71	East 19 77.5 East 20 72.3 East 20 77.4	75.0 72.4 75.0	75.3 73.3	68.2	75.0 76.4 72.4 73.8 75.0 76.4	76.6 73.3 76.6	70.4 67.3 70.3	75.0 72.4 75.0	73.5	73.3 65.5	72.4 73.2 73.3	
North	77.49	East 21 72.2	75.0 72.4 75.0	79.4 82.4 75.3 73.3	Impact Pile Driver, Concrete Saw, Hoe Ram 70.8 68.2	72.4 73.8	73.3	70.3 67.5 70.3	75.0 72.4 75.0	76.3 73.6	73.3 65.8	72.4 73.2 73.3	
North North North	81.27	East 21 77.3 East 22 72.3 East 22 77.0	75.0 72.4 75.0	75.3 73.3	Impact Pile Driver, Concrete Saw, Hoe Ram 70.8 68.2	75.0 76.4 72.4 73.8 75.0 76.3	76.6 73.3 76.6	70.3 67.3 69.9	75.0 72.4 75.0	76.3 73.5 76.2	73.3 65.6	75.0 76.0 76.6 72.4 73.2 73.3 75.0 75.9 76.6	
North North	85.05	East 23 72.3 East 23 77.2	72.4 75.0	75.3 73.3	170.4 170.	73.0 76.3 72.4 73.8 75.0 76.3	73.3	67.6 69.8	73.0 72.4 75.0	73.6 76.1	73.3 66.2	73.0 73.3 73.3 72.4 73.3 73.3 75.0 75.9 76.6	
North North	88.83 89.83	East 24 58.3 East 24 77.2	72.4 75.0	72.5 73.3 79.2 82.2	53.6 Impact Pile Driver, Concrete Saw, Hoe Ram 70.2	72.4 72.4 75.0 76.2	73.3 76.6	53.0 69.7	72.4 75.0	72.4	73.3 51.9	72.4 72.4 73.3 75.0 75.9 76.6	
North North	92.61	East 25 62.3 East 25 77.1	72.4 75.0	72.8 73.3	59.2 Impact Pile Driver, Concrete Saw, Hoe Ram 70.1	72.4 72.6	73.3 76.6	58.6 69.7	72.4 75.0	76.1 72.5 76.1		72.4 72.5 73.3 75.0 75.9 76.6	
North North	96.39 97.39	East 26 67.0 East 26 76.9	72.4 75.0	73.5 73.3 79.1 82.1	63.7 Impact Pile Driver, Concrete Saw, Hoe Ram 70.0	72.4 72.9 75.0 76.2	73.3 76.6	62.9 69.6	72.4 75.0	72.8 76.1	73.3 61.6 76.6 68.4	72.4 72.7 73.3 75.0 75.9 76.6	
North North	100.17	East 27 69.9 East 27 76.8	72.4 75.0	74.3 73.3 79.0 82.0	66.1 Impact Pile Driver. Concrete Saw. Hoe Ram 69.9	72.4 73.3 75.0 76.2	73.3 76.6	65.4 69.5	72.4 75.0	73.2 76.1	73.3 63.8	72.4 72.9 73.3 75.0 75.8 76.6	
North North	103.95 104.95	East 28 70.7 East 28 76.4	72.4 75.0	74.6 73.3 78.8 81.8	66.9 Impact Pile Driver, Concrete Saw, Hoe Ram 69.8	75.0 76.1	73.3 76.6	66.6 69.5	72.4 75.0	73.4 76.1	73.3 65.4 76.6 68.2	72.4 73.2 73.3 75.0 75.8 76.6	
North North	112.51	East 29 76.3 East 30 76.2	75.0 75.0	78.7 81.7	Impact Pile Driver, Concrete Saw, Hoe Ram 69.7 Impact Pile Driver, Concrete Saw, Hoe Ram 69.5	75.0 76.1 75.0 76.1	76.6 76.6	69.4 69.1	75.0 75.0	76.1 76.0	76.6 67.9	75.0 75.8 76.6 75.0 75.8 76.6	
North North	120.07	East 31 76.0 East 32 75.9 East 33 75.8	75.0 75.0	78.5 81.5	Impact Pile Driver, Concrete Saw, Hoe Ram 69.4 Impact Pile Driver, Concrete Saw, Hoe Ram 69.4 Impact Pile Driver, Concrete Saw, Hoe Ram 69.4	75.0 76.1 75.0 76.1 75.0 76.1	76.6 76.6	69.1 68.9	75.0 75.0	76.0	76.6 67.8 76.6 67.8		
North North North		East 33 75.8 East 34 75.7 East 34 75.7	75.0 75.0 75.0	78.4 81.4 78.4 81.4	Impact Pile Driver, Concrete Saw, Hoe Ram 69.4 Impact Pile Driver, Concrete Saw, Hoe Ram 69.2 Impact Pile Driver, Concrete Saw, Hoe Ram 69.2	75.0 76.1 75.0 76.0 75.0 76.0	76.6 76.6 76.6	68.9 68.8 68.8	75.0 75.0 75.0	76.0 75.9 75.9	76.6 67.7 76.6 67.6 76.6 67.6	75.0 75.7 76.6 75.0 75.7 76.6 75.0 75.7 76.6	
North North North	1.89	North 1 60.7	75.0 75.0 75.0	75.2 76.6 75.2 76.6	60.0 60.5	75.0 76.0 75.0 75.1 75.0 75.2	76.6 76.6 76.6	68.8 60.0 60.1	75.0 75.0 75.0	75.9 75.1 75.1	76.6 60.0	75.0 75.7 76.6 75.0 75.1 76.6 75.0 75.1 76.6	
North North	5.67	North 1 61.1 North 2 59.9 North 2 61.3	75.0 75.0	75.1 76.6 75.2 76.6	59.0	75.0 75.1 75.0 75.1	76.6 76.6	59.0 59.1	75.0 75.0	75.1 75.1	76.6 59.0	75.0 75.1 76.6 75.0 75.1 76.6 75.0 75.1 76.6	
North North	9.45	North 3 59.0 North 3 60.8	75.0 75.0	75.1 76.6 75.2 76.6	57.9	75.0 75.1 75.0 75.1	76.6 76.6	57.9 57.9	75.0 75.0	75.1 75.1	76.6 57.8	75.0 75.1 76.6 75.0 75.1 76.6	
North North	13.23	North 4 58.4 North 4 60.6	75.0 75.0	75.1 76.6 75.2 76.6	57.1 57.3	75.0 75.1 75.0 75.1	76.6 76.6	57.0 57.1	75.0 75.0	75.1 75.1	76.6 56.9 76.6 56.6	75.0 75.1 76.6 75.0 75.1 76.6	
North North	17.01	North 5 57.8 North 5 60.4	75.0 75.0	75.1 76.6 75.1 76.6	56.7	75.0 75.1 75.0 75.1	76.6 76.6	56.3 56.5	75.0 75.0	75.1 75.1	76.6 55.8	75.0 75.1 76.6 75.0 75.1 76.6	
North North	20.79	North 6 57.4 North 6 60.1	75.0 75.0	75.1 76.6 75.1 76.6		75.0 75.0 75.0 75.1	76.6 76.6	55.6 55.7	75.0 75.0	75.0 75.1	76.6 55.2	75.0 75.0 76.6 75.0 75.0 76.6	
North North	24.57	North 7 57.0 North 7 57.7 North 8 56.5	75.0 75.0	75.1 76.6 75.1 76.6	54.7	75.0 75.0 75.0 75.0	76.6 76.6	54.9 54.6	75.0 75.0	75.0 75.0	76.6 54.5	75.0 75.0 76.6 75.0 75.0 76.6	
North North North	28.35	North 8 56.8	75.0 75.0 75.0	75.1 76.6 75.1 76.6 75.1 76.6	54.2	75.0 75.0 75.0 75.0 75.0 75.0	76.6 76.6 76.6	54.3 54.1	75.0 75.0 75.0	75.0 75.0 75.0	76.6	75.0 75.0 76.6 75.0 75.0 76.6 75.0 75.0 76.6	
North North North	32.13	North 9 55.9 North 9 56.5 North 10 55.7	75.0 75.0 75.0	75.1 76.6 75.1 76.6 75.1 76.6	53.5	75.0 75.0 75.0 75.0 75.0 75.0	76.6 76.6 76.6	53.2 53.4 52.7	75.0 75.0 75.0		76.6 53.3	75.0 75.0 76.6 75.0 75.0 76.6 75.0 75.0 76.6	
North North	35.91	North 10 56.2 North 11 55.4	75.0 75.0	75.1 76.6 75.0 76.6	53.1	75.0 75.0 75.0 75.0 75.0 75.0	76.6 76.6	53.0 52.3	75.0 75.0	75.0 75.0	76.6 52.8	75.0 75.0 76.6 75.0 75.0 76.6	
North North	39.69	North 11 56.3 North 12 55.2	75.0 75.0	75.1 76.6 75.0 76.6	52.8 52.8 52.0	75.0 75.0 75.0 75.0	76.6 76.6	52.7 51.9	75.0 75.0	75.0 75.0	76.6 52.4	75.0 75.0 76.6 75.0 75.0 76.6	
North North	43.47 47.25	North 12 57.1 North 13 55.1	75.0 75.0	75.1 76.6 75.0 76.6	53.3 51.7	75.0 75.0 75.0 75.0	76.6 76.6	53.0 51.5	75.0 75.0	75.0 75.0	76.6 52.7 76.6 51.2	75.0 75.0 76.6 75.0 75.0 76.6	
North North	48.25 51.03	North 13 55.0 North 14 54.8	75.0 75.0	75.0 76.6 75.0 76.6	48.6 51.0	75.0 75.0 75.0 75.0	76.6 76.6	48.0 50.8	75.0 75.0	75.0 75.0	76.6 46.9 76.6 50.4	75.0 75.0 76.6 75.0 75.0 76.6	
North North	54.81	North 14 55.6 North 15 54.7	75.0 75.0	75.0 76.6 75.0 76.6	50.6	75.0 75.0 75.0 75.0	76.6 76.6	49.1 50.3	75.0 75.0	75.0 75.0	76.6 49.8	75.0 75.0 76.6 75.0 75.0 76.6	
North North	59.59	North 15 56.7 North 16 57.4	75.0 75.0	75.1 76.6 75.1 76.6	51.4	75.0 75.0 75.0 75.0	76.6 76.6	50.5 50.8	75.0 75.0	75.0 75.0	76.6 50.0	75.0 75.0 76.6 75.0 75.0 76.6	
North North	63.37	North 17 54.3 North 17 57.8	75.0 75.0	75.0 76.6 75.1 76.6	48.3 51.3	75.0 75.0 75.0 75.0	76.6 76.6	47.7 50.8	75.0 75.0	75.0 75.0		75.0 75.0 76.6 75.0 75.0 76.6	
North North North	67.15	North 18 54.8 North 18 58.0 North 19 55.3	75.0 75.0 75.0	75.0 76.6 75.1 76.6 75.0 76.6		75.0 75.0 75.0 75.0 75.0 75.0	76.6 76.6 76.6	48.1 51.0 48.7	75.0 75.0 75.0	75.0 75.0 75.0	76.6 47.0 76.6 50.3 76.6 47.6	75.0 75.0 76.6 75.0 75.0 76.6 75.0 75.0 76.6	
North North North	70.93	North 19 57.9 North 20 55.7	75.0 75.0 75.0	75.0 76.6 75.1 76.6 75.1 76.6	51.4	75.0 75.0	76.6 76.6	48.7 51.0 49.1	75.0 75.0 75.0	75.0 75.0	76.6 50.3	75.0 75.0 76.6	
North North	74.71 73.71	North 20 57.9 North 21 55.8	75.0 75.0	75.1 76.6 75.1 76.6	51.4 49.7	75.0 75.0 75.0 75.0	76.6 76.6	51.0 49.3	75.0 75.0	75.0 75.0	76.6 50.4 76.6 48.2	75.0 75.0 76.6 75.0 75.0 76.6	
North North	78.49 77.49	North 21 57.8 North 22 56.1	75.0 75.0	75.1 76.6 75.1 76.6	51.4 50.0	75.0 75.0 75.0 75.0	76.6 76.6	51.0 49.4	75.0 75.0	75.0 75.0	76.6 50.4 76.6 48.5	75.0 75.0 76.6 75.0 75.0 76.6	
North North	82.27 81.27	North 22 57.9 North 23 56.3	75.0 75.0	75.1 76.6 75.1 76.6	51.3 50.1	75.0 75.0 75.0 75.0	76.6 76.6	51.0 49.6	75.0 75.0	75.0 75.0	76.6 50.3 76.6 48.7	75.0 75.0 76.6 75.0 75.0 76.6	
North North	85.05	North 23 57.7 North 24 56.3	75.0 75.0	75.1 76.6 75.1 76.6	51.3 50.1	75.0 75.0	76.6 76.6	51.0 49.8	75.0 75.0		76.6 48.8	75.0 75.0 76.6 75.0 75.0 76.6	
North North		North 24 57.7 North 25 56.5 North 25 57.6	75.0 75.0 75.0	75.1 76.6 75.1 76.6	50.1	75.0 75.0 75.0 75.0 75.0 75.0	76.6	50.8 49.5	75.0 75.0 75.0	75.0 75.0	76.6	75.0 75.0 76.6 75.0 75.0 76.6 75.0 75.0 76.6	
North North North	92.61	North 25 57.6 North 26 56.9 North 26 57.5	75.0 75.0 75.0	75.1 76.6 75.1 76.6 75.1 76.6	51.0 50.2 51.1	75.0 75.0 75.0 75.0 75.0 75.0	76.6 76.6 76.6	50.6 49.8 50.8	75.0 75.0 75.0	75.0 75.0 75.0	76.6 49.9 76.6 48.8 76.6 50.1	75.0 75.0 76.6 75.0 75.0 76.6 75.0 75.0 76.6 75.0 75.0 76.6	
North North North	96.39	North 26 57.5 North 27 57.0 North 27 57.4	75.0 75.0 75.0	75.1 76.6 75.1 76.6 75.1 76.6	50.2		76.6 76.6 76.6	50.8 49.8 50.7	75.0 75.0 75.0	75.0 75.0 75.0	76.6 48.7	75.0 75.0 76.6 75.0 75.0 76.6 75.0 75.0 76.6	
North North	100.17	North 28 56.9 North 28 57.3	75.0 75.0 75.0	75.1 76.6 75.1 76.6 75.1 76.6	50.1	75.0 75.0	76.6 76.6	50.7 49.7 50.5	75.0 75.0	75.0 75.0	76.6 48.7	75.0 75.0 76.6	
North North	103.95 108.73	North 29 56.8 North 29 57.1	75.0 75.0	75.1 76.6 75.1 76.6	50.2 50.8	75.0 75.0 75.0 75.0	76.6 76.6	49.8 50.4	75.0 75.0	75.0 75.0	76.6 48.8 76.6 49.7	75.0 75.0 76.6 75.0 75.0 76.6	
North North	112.51 116.29	North 30 57.0 North 31 56.9	75.0 75.0	75.1 76.6 75.1 76.6	50.7 50.5	75.0 75.0 75.0 75.0	76.6 76.6	50.3 50.2	75.0 75.0	75.0 75.0	76.6 49.6 76.6 49.4	75.0 75.0 76.6 75.0 75.0 76.6	
North North	120.07 123.85	North 32 56.8 North 33 56.7	75.0 75.0	75.1 76.6 75.1 76.6	50.4 50.4	75.0 75.0 75.0 75.0	76.6 76.6	50.1 49.9	75.0 75.0	75.0 75.0	76.6 49.3 76.6 49.1	75.0 75.0 76.6 75.0 75.0 76.6	
North North	127.63 1.89	North 34 56.6 South 1 73.4	75.0 72.4	75.1 76.6 75.9 78.9	50.3 Impact Pile Driver, Concrete Saw, Hoe Ram 73.6	72.4 76.0	76.6 79.0 Dump Truck	49.8 73.0	75.0 72.4	75.0 75.7	76.6 49.0 78.7 Tower Crane 68.5	75.0 75.0 76.6 72.4 73.9 73.3	
North North	1.89 5.67	South 1 72.1 South 2 80.4	75.0 72.4	76.8 76.6 81.0 84.0	Impact Pile Driver, Concrete Saw, Hoe Ram 76.1	75.0 76.7 72.4 77.6	80.6 Dump Truck	70.7 75.6	75.0 72.4	76.4 77.3	80.3 Dump Truck 74.6	75.0 75.6 76.6 72.4 76.6 79.6	Dump Truck
North North North	9.45	South 2 79.2 South 3 82.8 South 3 82.0	75.0 72.4 75.0	80.6 83.6 83.2 86.2 82.8 85.8	74.2 Impact Pile Driver, Concrete Saw, Hoe Ram 76.9 75.0	75.0 77.6 72.4 78.2 75.0 78.0	76.6 81.2 Tower Crane 76.6	73.5 76.7 74.4	75.0 72.4 75.0	77.3 78.1	76.6 73.0 81.1 Dump Truck 76.2 76.6 74.3	75.0 77.1 76.6 72.4 77.7 80.7 75.0 77.7 76.6	Dump Truck
North North North	13.23	South 4 83.1	75.0 72.4 75.0	83.5 86.5	Impact Pile Driver, Concrete Saw, Hoe Ram 77.5	72.4 78.7	81.7 Dump Truck	74.4 76.9 74.7	75.0 72.4 75.0	77.7 78.2 77.9	81.2 Tower Crane 76.1	72.4 77.6 80.6	Dump Truck
North North North	17.01	South 4 82.3 South 5 83.0 South 5 82.4	75.0 72.4 75.0	83.0 86.0 83.4 86.4 83.1 86.1	75.2	75.0 78.1 72.4 78.6 75.0 78.2	81.1 81.6 Dump Truck 81.2	74.7 76.8 74.9	75.0 72.4 75.0	78.1 78.0	81.1 Tower Crane 76.1	72.4 77.6 80.6	Dump Truck
North North	20.79	South 6 83.2 South 6 82.5	72.4 75.0	83.5 86.5	Impact Pile Driver, Concrete Saw, Hoe Ram 77.4	72.4 78.6	81.6 Dump Truck	77.0 75.3	72.4 75.0	78.3 78.2	81.3 Tower Crane 76.1 81.2 74.5	72.4 77.6 80.6	Dump Truck
North North	24.57 24.57	South 7 83.0 South 7 82.3	72.4 75.0	83.0 86.0	Impact Pile Driver, Concrete Saw, Hoe Ram 75.4 Impact Pile Driver, Concrete Saw, Hoe Ram 77.5 Impact Pile Driver, Concrete Saw, Hoe Ram 75.4	75.0 78.2	81.7 Dump Truck 81.2	77.1 75.2	72.4 75.0	78.4 78.1	81.4 Tower Crane 76.1 81.1 74.4	75.0 77.8 76.6 72.4 77.6 80.6 75.0 77.7 76.6	Dump Truck
North North	28.35 28.35	South 8 82.7 South 8 82.0	75.0	83.1 86.1 82.8 85.8	Impact Pile Driver, Concrete Saw, Hoe Ram 76.8 75.0	72.4 78.1 75.0 78.0	81.1 Dump Truck 76.6	76.4 74.8	72.4 75.0	77.8 77.9	80.8 Tower Crane 75.3 76.6 73.9	72.4 77.1 80.1 75.0 77.5 76.6	Dump Truck
North North	32.13 32.13	South 9 82.4 South 9 81.8	72.4 75.0	82.8 85.8 82.6 85.6	Impact Pile Driver, Concrete Saw, Hoe Ram 76.6 74.9	72.4 78.0 75.0 78.0	81.0 Dump Truck 76.6	76.1 74.6	72.4 75.0	77.6 77.8	80.6 Tower Crane 75.1 76.6 73.8	72.4 77.0 80.0 75.0 77.5 76.6	Dump Truck
North North	35.91 35.91	South 10 82.2 South 10 81.7	72.4 75.0	82.6 85.6 82.5 85.5	Impact Pile Driver, Concrete Saw, Hoe Ram 76.3 74.8	72.4 77.8 75.0 77.9	80.8 Dump Truck 76.6	75.9 74.5	72.4 75.0	77.5 77.8	80.5 Tower Crane 74.9 76.6 73.7	72.4 76.8 79.8	Dump Truck

550 Washington Street FEIS Construction Noise Analysis North Building and Outdoor Space Assumes Simultaneous Construction of Center and South Buildings

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Building	Height	Façade Floor	Calculated construction Noise level	Year Non Construction Noise	1 Results Total Level	Total L10	Dominant Noise Source Calculated construction No	e level Non Construction Noise	ear 2 Results Total Level	Total L10 Dominant Noise Source	Calculated construction Noise level	Year Non Construction Noise	3 Results Total Leve	el Tota	al L10 Dominant Noise Source	Calculated construction Noise level	Year 4 Non Construction Noise	Results Total Level	Total L10	Dominant Noise Source
		- ayaaa	L _{eq (dbA)}	L _{eq (dBA)}	L _{eq (dBA)}		L _{ing} (dbA)	L _{eq (dBA)}	L _{eq (dBA)}		L _{eq (dBA)}	L _{eq (dBA)}		L		L _{eq (dBA)}	L _{eq (dBA)}	L _{eq (dBA)}		
North	(m)		82.0	70.4		85.4	Impact Pile Driver, Concrete Saw, Hoe Ram. 76.2	70.4		80.7 Dump Truck		72.4			80.4 Dump Truck	74.8	70.4	20.0	79.8	Dump Truck
	39.69 39.69	South 11 South 11	82.0 81.5	72.4 75.0	82.4 82.4	85.4 85.4	Impact Pile Driver, Concrete Saw, Hoe Ram 76.2	72.4	77.9	76.6 Dump Truck	75.7	72.4	77.4 77.8	76	76.6 Dump Truck	74.8	72.4 75.0	75.8	79.8	Dump Truck
North	43.47	South 12	81.8	72.4	82.4 82.3	85.3	Impact Pile Driver, Concrete Saw, Hoe Ram 76.0	72.4	77.9 77.6	80.6 Dump Truck	75.5	72.4	77.2	80	80.2 Dump Truck	74.6	72.4	76.6	76.6 79.6 76.6	Dump Truck
		South 12 South 12	62.2 81.3	75.0 75.0	75.2 82.2	76.6	58.0 74.7	75.0 75.0	75.1 77.9	76.6	56.9 74.3	75.0 75.0	75.1	76		54.6 73.5	75.0 75.0	75.0	76.6 76.6	
		South 13	81.6	72.4		85.1	Impact Pile Driver, Concrete Saw, Hoe Ram 75.7	72.4	77.4	80.4 Dump Truck	74.3	72.4	77.0	,		73.5	72.4	76.5	79.5	Dump Truck
North	48.25	South 13	69.0	75.0	76.0	76.6	66.8	75.0	77.4 75.6	76.6	66.1	75.0	75.5	76	76.6	63.3	75.0	75.3	79.5 76.6	
North North	51.03	South 14 South 14	81.4 73.8	72.4 75.0	81.9 77.5	84.9	Impact Pile Driver, Concrete Saw, Hoe Ram 75.4 69.4	72.4 75.0	77.2 76.1	80.2 Dump Truck	74.9 68.7	72.4 75.0	76.8 75.9	79	79.8 Dump Truck	74.0 66.8	72.4 75.0	76.3	79.3 76.6	Dump Truck
North	54.81	South 15	68.3	72.4	73.8	73.3	63.0	73.0	72.8	73.3	61.9	72.4		73	73.3	60.0	72.4	72.6	73.3	
North	55.81	South 15	76.1 79.3	75.0	78.6	81.6	70.6	75.0	76.3	76.6	70.0	75.0	76.2	76	76.6	68.9	75.0	76.0	76.6 73.3 76.6	
	58.59	South 16 South 16	79.3 77.0	72.4 75.0	80.1 79.1	83.1	Impact Pile Driver, Concrete Saw, Hoe Ram 73.2	72.4 75.0	75.8 76.6	78.8 Tower Crane	72.6 70.7	72.4 75.0	75.5 76.4		78.5 Dump Truck	71.9 69.8	72.4 75.0	75.1	73.3	
		South 17	80.3	72.4	80.9	83.9	Impact Pile Driver, Concrete Saw, Hoe Ram 74.2	72.4	76.4	79.4 Tower Crane	73.4	72.4	75.9		78.9 Dump Truck	72.4	72.4	75.4	78.4	Dump Truck
North	63.37	South 17	77.4	75.0	79.4	82.4	71.6	75.0	76.6 76.3	76.6	70.9	75.0	76.4	76	76.6	70.4	75.0	76.3	78.4 76.6 78.5	
North North	66.15	South 18	80.3 77.7	72.4	80.9	83.9	Impact Pile Driver, Concrete Saw, Hoe Ram 74.1	72.4 75.0	76.3	79.3 Tower Crane	73.5	72.4	76.0	79	P9.0 Dump Truck	72.6	72.4	75.5	78.5	Dump Truck
North	69.93	South 18 South 19	78.8	75.0 72.4	79.6 79.7	82.7	Impact Pile Driver, Concrete Saw, Hoe Ram 72.8	72.4	76.7 75.6 76.7	78.6 Dump Truck	71.1 72.2	75.0 72.4	76.5 75.3	73	76.6	70.5 71.2	75.0 72.4	74.8	76.6 73.3 76.6	
		South 19	77.7	75.0	79.6	82.6	71.9	75.0	76.7	76.6	71.1	75.0	76.5		76.6	70.4	75.0	76.3	76.6	
North North	73.71	South 20 South 20	79.7 77.9	72.4 75.0	80.4 79.7	83.4	Impact Pile Driver, Concrete Saw, Hoe Ram 73.2	72.4 75.0	75.8 76.6	78.8 Dump Truck	72.8 70.8	72.4 75.0	75.6 76.4		78.6 Dump Truck 76.6	71.9 70.0	72.4 75.0	75.1 76.2	73.3 76.6	
		South 21	79.7		80.4	83.4	Impact Pile Driver, Concrete Saw, Hoe Ram 73.4	73.0	75.9	78.9 Dump Truck	72.9	72.4		78		71.9	72.4	75.1	73.3	
North	78.49	South 21	77.8	75.0	79.6	82.6	71 3	75.0	76.5	76.6	70.6	75.0	76.3		76.6	69.8	75.0	76.1	76.6 73.3 76.6 73.3 76.6	
North North	81.27	South 22 South 22	79.5 77.9	72.4 75.0	80.3 79.7	83.3	Impact Pile Driver, Concrete Saw, Hoe Ram 73.2 71.2	72.4 75.0	75.8 76.5	78.8 Dump Truck	72.7 70.5	72.4 75.0	75.5 76.3		78.5 Dump Truck 76.6	71.8 69.7	72.4 75.0	75.1 76.1	73.3	
North	85.05	South 23	79.3	72.4	80.1	83.1	Impact Pile Driver, Concrete Saw, Hoe Ram 73.0	72.4	76.5 75.7 76.5	78.7 Dump Truck	72.5	72.4	75.4	78	78.4 Dump Truck	71.5	72.4	75.0	73.3	
North		South 23	77.8	75.0 72.4	80.3 79.7 80.1 79.6 72.8	82.6	71.1 56.7	75.0	76.5	76.6	70.4	75.0	76.3	76	76.6	69.5	75.0	76.1	76.6	
North North	88.83 89.83	South 24 South 24	62.6 77.9	72.4 75.0	72.8 79.7	73.3 82.7	56.7 71.0	72.4 75.0	72.5	73.3	55.8 70.3	72.4 75.0	72.5 76.3	73	73.3	53.7 69.4	72.4 75.0	72.4	73.3	
North	92.61	South 25	74.1	72.4	79.7 76.3	79.3	Impact Pile Driver, Concrete Saw, Hoe Ram 68.0	72.4	76.5 73.7	73.3	66.8	72.4	73.4	73	73.3	63.9	72.4	72.9	76.6 73.3	
North	93.61	South 25	77.8	75.0	79.6	82.6	70.9	75.0	76.4	76.6	70.2	75.0	76.2	76	76.6	69.3	75.0	76.0	76.6	
North North	96.39 97.39	South 26 South 26	76.6 77.7	72.4 75.0	78.0 79.6	81.0 82.6	Impact Pile Driver, Concrete Saw, Hoe Ram 70.3	72.4 75.0	74.5 76.4	75.5 76.6	69.6 70.2	72.4 75.0	74.2 76.2	73	76.6	68.6 69.2	72.4 75.0	73.9 76.0	73.3 76.6	
North	100.17	South 27	77.4	72.4	78.6	81.6	Impact Pile Driver, Concrete Saw, Hoe Ram 71.2	72.4	74.8	73.3	70.5	72.4	74.5	73	73.3	69.4	72.4	74.1	73.3	
North North	101.17	South 27 South 28	77.5 78.1	75.0 72.4	79.4 79.1	82.4	70.7 Impact Pile Driver, Concrete Saw, Hoe Ram 71.4	75.0 72.4	76.4 74.9	76.6	70.1 70.8	75.0 72.4	76.2 74.7	76	76.6	69.1 69.8	75.0 72.4	76.0	76.6 73.3	
		South 28	78.1 77.5	72.4 75.0	79.1 79.4	82.1	Impact Pile Driver, Concrete Saw, Hoe Ram 71.4	72.4	76.3	75.3	70.8	72.4 75.0	76.2		75.5	69.0	72.4	74.3	76.6	
North	108.73	South 29	77.3	75.0	79.3	82.3	70.5	75.0	76.3 76.3	76.6	69.9	75.0	76.2		76.6	68.9	75.0	76.0	76.6 76.6	
North North	112.51	South 30	77.2 77.1	75.0 75.0	79.2	82.2	70.4 70.3	75.0 75.0	76.3	76.6	69.9	75.0 75.0	76.2 76.1	76	76.6 76.6	68.8	75.0 75.0	75.9	76.6 76.6	
		South 31 South 32	77.1 77.0	75.0 75.0	79.2 79.1		70.3 70.2	75.0 75.0	76.3 76.2		69.8	75.0 75.0		76		68.7 68.7	75.0 75.0		76.6 76.6	
North	123.85	South 33	76.8	75.0	79.0	82.0	70.1	75.0	76.2	76.6	69.4	75.0	76.1	76	76.6	68.3	75.0	75.8	76.6	
North North		South 34	76.6 57.6	75.0 82.9	78.9	81.9	70.0 58.6	75.0 82.9	76.2	76.6	69.4	75.0 82.9	76.1 82.9		76.6	68.3	75.0 82.9		76.6	
	5.67	West 1 West 2	60.7	82.9 82.9	82.9 83.0	83.3	58.6	82.9 82.9	82.9 83.0	83.3	55.1	82.9 82.9		83		50.9 57.1	82.9 82.9	82.9 82.9	83.3 83.3	
North	9.45	West 3	63.6	82.9	83.0	83.3	60.1	82.9	83.0	83.3	58.5	82.9	82.9	83	33.3	58.2	82.9	82.9	83.3	
North	13.23	West 4	65.1	82.9	83.0	83.3	60.1	82.9	83.0	83.3	58.7	82.9	82.9	83	33.3	58.4	82.9	82.9	83.3	
		West 5 West 6	65.4 63.4	82.9 82.9	83.0 83.0	83.3	60.0 59.0	82.9 82.9	83.0 83.0	83.3	59.1 58.5	82.9 82.9		83		58.0 57.6	82.9 82.9	82.9 82.9	83.3 83.3	
North	24.57	West 7	63.5		83.0 83.0		59.0	82.9	83.0 83.0	83.3	58.4	82.9	82.9	83	33.3	57.6	82.9	82.9	83.3	
North North	28.35	West 8 West 9	63.4 63.5	82.9 82.9	83.0	83.3	59.0 58.9	82.9 82.9	83.0	83.3	58.4 58.3	82.9 82.9		83		57.5 57.4	82.9 82.9	82.9	83.3 83.3	
North	35.91	West 10	64.2	82.9	83.0 83.0 83.0	83.3	59.3	82.9	83.0 83.0 83.0	83.3	58.8	82.9		83		57.4	82.9	82.9	83.3	
North	39.69	West 11	64.3	82.9	83.0	83.3	59.2	82.9	83.0	83.3	58.7	82.9	82.9	83	33.3	57.3	82.9	82.9	83.3 83.3	
		West 12 West 13	56.6 58.1	82.9	82.9	83.3	50.8 52.9	82.9 82.9	82.9	83.3	49.7 51.5	82.9 82.9	82.9	83		48.1 48.6	82.9 82.9	82.9	83.3	
North	52.03	West 14	60.2	82.9	82.9 83.0	83.3	58.5	82.9	82.9 82.9	83.3	55.3	82.9	82.9	83	33.3	51.6	82.9	82.9	83.3 83.3	
North	55.81	West 15	65.8 66.5	82.9 82.9	83.0 83.0	83.3	61.5	82.9 82.9	83.0 83.0	83.3	59.8	82.9 82.9	83.0	83	33.3	55.3	82.9	82.9	83.3 83.3	
	59.59 58	West 16 West 17	66.5	82.9 72.4	83.0 73.7	83.3 73.3	62.4 63.6	82.9 72.4	83.0 77.0	83.3	61.1 62.2	82.9 72.4	83.0 72.8		33.3	56.6 59.2	82.9 72.4	82.9 72.6	83.3	
North	63.37	West 17	68.5	82.9	83.1	83.3	63.1	82.9	72.9 83.0 73.7 83.0	83.3	62.1	82.9	83.0		33.3	58.4	82.9	82.9	73.3 83.3	<u> </u>
North	61.78	West 18	74.5 69.3	72.4 82.9	76.6 83.1	79.6	68.1	72.4	73.7	73.3	67.2	72.4	73.5	73	73.3	66.3	72.4	73.3	73.3 83.3	
		West 18 West 19	69.3 76.4	82.9 72.4	83.1 77.8	83.3	63.4 69.1	82.9 72.4	83.0 74.0	85.5 73.3	62.4 68.3	82.9 72.4	83.0 73.8	73	33.3	61.7	82.9 72.4		83.3 73.3	
North	70.93	West 19	70.1	82.9	83.2	83.3	64.0	82.9	83.0	83.3	63.3	82.9	83.0	83	33.3	62.7	82.9	83.0	83.3	
North	69.34	West 20	76.9 70.4	72.4	78.2	81.2	69.2 64.4	72.4	74.1	73.3	68.6 63.6	72.4 82.9	73.9			67.0 62.7	72.4 82.9	73.5	73.3	
North	73.12	West 20 West 21	77.1	82.9 72.4	83.2 78.4	81.4	64.4 69.5	82.9 72.4	83.0 74.2	73.3	69.2	82.9 72.4	74.1	83 73	73.3	62.7 68.1	82.9 72.4	73.7	83.3 73.3	
North	78.49	West 21	71.2	82.9	83.2	83.3	64.5	82.9	83.0	83.3	63.7	82.9	83.0	83	33.3	62.6	82.9	83.0	83.3	
North North	76.9	West 22 West 22	77.1 71.2	72.4 82.9	78.4 83.2	81.4	69.9 64.5	72.4 82.9	74.3 83.0 74.3	73.3	69.5 63.7	72.4 82.9	74.2	73	73.3	68.5 62.9	72.4 82.9	73.9	73.3 83.3 73.3	
		West 22 West 23	77.0	72.4	83.2 78.3	81.3	69.9	72.4	74.3	73.3	63.7	82.9 72.4	74.2	83 73	73.3	68.5	82.9 72.4	73.9	73.3	
North	86.05	West 23	71.9	82 9	83.3	83.3	64.4	82.9			63.6	82.9	83.0	83	33.3	62.8	82.9	83.0	83.3	
North North	84.46	West 24 West 24	77.0 71.8	72.4 82.9	78.3 83.3	81.3	69.8 64.3	72.4 82.9	74.3	73.3	69.4 63.5	72.4 82.9	74.1 83.0	73	73.3	68.4 62.7	72.4 82.9	73.8	73.3 83.3	
North North	88.24	West 25	77.0	72.4	78.3	81.3	69.8	72.4	74.3 83.0 74.3 83.0	73.3	69.4	72.4	74.1	73	73.3	68.4	72.4	73.8	73.3	
North	93.61	West 25 West 25	71.8	82.9	78.3 83.3	83.3	64.2	82.9	83.0	83.3	63.4	82.9	83.0	83	33.3	62.5	82.9	83.0	73.3 83.3	
		West 26 West 26	76.9 71.7	72.4 82.9	78.2	81.2	69.7 64.1	72.4 82.9	/4.2	/3.3	69.3 63.2	72.4 82.9	74.1	73	73.3	68.3 62.4	72.4 82.9	73.8	73.3	
North	95.8	West 27	76.9	72.4	83.2 78.2	81.2	69.6	72.4	83.0 74.2	73.3	69.2	72.4	74.1	73	73.3	68.2	72.4	73.8	83.3 73.3	
North	101.17	West 27	71.6	82.9	83.2	83.3	64.0	82.9	83.0	83.3	63.1	82.9	83.0			62.3	82.9	83.0	83.3	
North North	99.58	West 28 West 28	76.8 71.5	72.4 82.9	78.1 83.2	81.1	69.6 63.9	72.4 82.9	74.2 83.0	73.3	69.1 63.0	72.4 82 9	74.0 83.0	73		68.2 62.1	72.4 82 9		73.3 83.3	
North	103.36	West 29	76.7	82.9 72.4	78.1	81.1	69.5	72.4	74.2	73.3	69.0	72.4	74.0		73.3	68.2	72.4	73.8	73.3	
North	108.73	West 29 West 30	71.4	82.9	83.2 78.0	83.3	63.8	82.9	83.0 74.1	83.3	62.9	82.9	83.0	83	33.3	62.0	82.9	83.0	83.3 73.3	
		West 30 West 30	76.6 71.4	72.4 82.9	78.0 83.2	81.0	69.4 63.7	72.4 82.9	74.1 83.0	73.3	68.9 62.9	72.4 82.9	74.0 83.0	73	73.3	68.1 61.9	72.4 82.9	73.7 83.0	73.3 83.3	
		West 31	71.4	82.9	83.2		63.6	82.9	83.0	83.3	62.9	82.9		83		61.8	82.9	83.0	83.3	
North		West 32	71.1	82.9	83.2	83.3	63.5	82.9	83.0	83.3	62.8	82.9	83.0	83	33.3	61.6	82.9	83.0	83.3	
		West 33 West 34	71.0 70.9	82.9 82.9	83.2 83.2		63.4 63.3	82.9 82.9	83.0 83.0		62.7 62.6	82.9 82.9		83		61.5 61.4	82.9 82.9	83.0	83.3 83.3	
West Houston Street Outdoor Space	11.60	Center	86.1	75.0	86.4	89.4	Impact Pile Driver, Concrete Saw, Hoe Ram. 79.7	75.0	81.0	84.0 Tower Crane	62.6 79.3	75.0	80.7	83	33.7 Tower Crane	78.8	75.0	80.3	83.3	Hoe Ram
West Houston Street Outdoor Space West Houston Street Outdoor Space	11.60	East	84.4	72.4 82.9	84.7	87.7	Impact Pile Driver, Concrete Saw, Hoe Ram 80.2 Impact Pile Driver, Concrete Saw, Hoe Ram 76.1	72.4 82.9	80.9 83.8	83.9 Tower Crane	79.5	72.4 82.9	80.3	83	33.3 Tower Crane	78.6	72.4 82.9	79.5	82.5	Hoe Ram Hoe Ram
west Houston Street Outdoor Space	11.60	west	84.0	82.9	86.5	89.5	impact Pile Driver, Concrete Saw, Hoe Kam 76.1	82.9	83.8	83.3 Tower Crane	/6.5	82.9	83.8	83	33.3 Tower Crane	/5.3	82.9	83.6	83.3	ное кат

550 Washington Street FEIS Construction Noise Analysis Center Building Assumes Simultaneous Construction of North and South Buildings

		Yea	ar 1 Results				Year 2 I	Results		Year 3 Results		Year 4 Re	sults	
Building Height Façade Floor Cal	culated construction Noise level Leq (dBA)	Non Construction Noise Leq (dBA)	Total Level L _{eq (dBA)}	Total L10 L ₁₀	Dominant Noise Source	Calculated construction Noise level Leq (dBA)	Non Construction Noise Leq (dBA)	Total Level L _{eq (dBA)}	Total L10 Dominant Noise Source L10	$ \begin{array}{c ccc} Calculated construction Noise level & Non Construction Noise & Total Le \\ \hline & L_{eq (dBA)} & L_{eq (dBA)} & L_{eq (dBA)} \end{array} $		loise level Non Construction No L _{eq (dBA)}	oise Total Level L _{eq (dBA)}	Total L10 Dominant Noise Source
(m) Center 1.74 East 1	66.9	71.2	72.6	74.0		66.0	71.2	72.3	74.0	64.1 71.2 72.0		71.2	71.8	74.0
Center 5.22 East 2 Center 8.7 East 3	69.5 70.5	71.2 71.2	73.4 73.9	74.0 74.0		67.4 68.1	71.2 71.2	72.7 72.9	74.0 74.0	65.9 71.2 72.3		71.2 71.2	72.1 72.3	74.0 74.0
Center 12.18 East 4 Center 15.66 East 5	71.1 72.0	71.2 71.2	74.2 74.6	74.0 77.6	Impact Pile Driver, Dump Truck, Hoe Ram Impact Pile Driver, Dump Truck, Hoe Ram	69.6 70.0	71.2 71.2	73.5 73.7			74.0 66.5 74.0 66.6	71.2 71.2	72.5 72.5	
Center 19.14 East 6 Center 22.62 East 7	72.9 73.7	71.2 71.2	75.1 75.6	78.1 78.6	Impact Pile Driver, Dump Truck, Hoe Ram Impact Pile Driver, Dump Truck, Hoe Ram	69.9 69.6	71.2 71.2	73.6 73.5	74.0 74.0		74.0 66.7 74.0 66.9	71.2 71.2	72.5 72.6	
Center 26.1 East 8 Center 29.58 East 9	73.8 71.8	71.2 71.2	75.7 74.5	78.7 77.5	Impact Pile Driver, Dump Truck, Hoe Ram Impact Pile Driver, Dump Truck, Hoe Ram	69.4 68.8	71.2 71.2	73.4 73.2	74.0 74.0	68.8 71.2 73.2 67.8 71.2 72.8	74.0 67.6 74.0 67.3	71.2 71.2	72.8 72.7	
Center 38.13 East 10 Center 41.61 East 11	64.5 72.2	71.2 71.2	72.0 74.7	74.0 77.7	Dump Truck, Concrete Saw, Pile Driver	62.0 68.8	71.2 71.2	71.7 73.2	74.0 74.0	61.4 71.2 71.6		71.2 71.2	71.5 72.7	74.0
Center 45.09 East 12 Center 38.13 East 13	73.6 59.7	71.2 71.2	75.6 71.5	78.6 74.0	Dump Truck, Concrete Saw, Pile Driver	70.8 55.1	71.2 71.2	74.0 71.3	74.0 Dump Truck 74.0	70.2 71.2 73.7	74.0 68.5 74.0 52.6	71.2 71.2	73.1 71.3	74.0
Center 38.13 East 13 Center 48.57 East 13	67.8 73.5	71.2 71.2	72.8 75.5	74.0 78.5	Dump Truck, Concrete Saw, Pile Driver	63.7 70.8	71.2 71.2	71.9 74.0		62.4 71.2 71.7	74.0 57.5 74.0 68.3	71.2 71.2	71.4 73.0	74.0
Center 38.13 East 13 Center 41.61 East 14	74.3 60.8	71.2 71.2	76.0 71.6	79.0 74.0	Impact Pile Driver, Concrete Saw, Hoe Ram	68.1 57.1	71.2 71.2	72.9 71.4	74.0 74.0		74.0 63.4	71.2 71.2	71.9 71.3	
Center 41.61 East 14 Center 52.05 East 14	73.7 73.4	71.2 71.2	75.6 75.4	78.6 78.4	Impact Pile Driver, Hoe Ram, Excavator Dump Truck, Concrete Saw, Pile Driver	68.3 70.6	71.2 71.2	73.0 73.9	74.0 Dump Truck	67.2 71.2 72.7 70.0 71.2 73.7	74.0	71.2 71.2	71.7 72.9	74.0
Center 41.61 East 14 Center 45.09 East 15	79.1 61.8	71.2 71.2	79.8 71.7	82.8 74.0	Impact Pile Driver, Concrete Saw, Hoe Ram	73.0 58.9	71.2 71.2	75.2 71.4	78.2 Excavator 74.0	71.6 71.2 74.4	77.4 Excavator 68.7 74.0 57.3	71.2	73.1 71.4	74.0
Center 45.09 East 15 Center 55.53 East 15	76.2 73.4	71.2	77.4 75.4	80.4 78.4	Impact Pile Driver, Hoe Ram, Excavator Dump Truck, Concrete Saw, Pile Driver	70.1 70.5	71.2 71.2	73.7	74.0 Dump Truck	69.6 71.2 73.5	74.0 64.3 74.0 67.9	71.2	72.0 72.9	74.0
Center 45.09 East 15 Center 48.57 East 16	80.3 62.4	71.2	80.8 71.7	83.8	Impact Pile Driver, Concrete Saw, Hoe Ram	73.9	71.2 71.2	75.8 71.5	78.8 Excavator 74.0	72.6 71.2 75.0	78.0 Excavator 69.2 74.0 59.7	71.2 71.2	73.3 71.5	
Center 48.57 East 16 Center 59.01 East 16	77.3 73.2	71.2	78.3 75.3	81.3 78.3	Impact Pile Driver, Hoe Ram, Excavator Dump Truck, Concrete Saw, Pile Driver	71.3 70.3	71.2 71.2	74.3 73.8	77.3 Excavator 74.0 Dump Truck	70.9 71.2 74.1	74.0 65.5 74.0 67.7	71.2 71.2	72.2 72.8	74.0
Center 48.57 East 16 Center 52.05 East 17	80.9 63.5	71.2	81.3 71.9	84.3 74.0	Impact Pile Driver, Concrete Saw, Hoe Ram	74.2 61.6	71.2 71.2	76.0 71.7	79.0 Excavator	73.1 71.2 75.3	78.3 Excavator 68.6 74.0 59.5	71.2 71.2	73.1 71.5	74.0
Center 52.05 East 17 Center 62.49 East 17	78.6 73.0	71.2 71.2	79.3 75.2	82.3 78.2	Impact Pile Driver, Hoe Ram, Excavator Dump Truck, Concrete Saw, Pile Driver	72.2 70.1	71.2 71.2	74.7		72.0 71.2 74.6	77.6 Excavator 66.5 74.0 67.5	71.2 71.2	72.5 72.7	74.0
Center 52.05 East 17 Center 55.53 East 18	81.1 65.9	71.2 71.2 71.2	81.5 72.3	84.5 74.0	Impact Pile Driver, Concrete Saw, Hoe Ram	74.4 64.0	71.2 71.2 71.2	76.1 72.0	79.1 Excavator 74.0		78.3 Excavator 69.1	71.2 71.2 71.2	73.3	
Center 55.53 East 18 Center 65.97 East 18	79.2 72.9	71.2 71.2 71.2	79.8 75.1	82.8 78.1	Impact Pile Driver, Hoe Ram, Excavator Dump Truck, Concrete Saw, Pile Driver	73.1 69.9	71.2 71.2 71.2	75.3 73.6	78.3 Excavator 74.0 Dump Truck	73.0 71.2 75.2 69.2 71.2 73.3	78.2 Excavator 67.4	71.2 71.2 71.2	72.7 72.7	74.0 74.0 74.0
Center 55.53 East 18 Center 59.01 East 19	80.8 68.1	71.2 71.2 71.2	81.3 72.9	84.3 74.0	Impact Pile Driver, Concrete Saw, Hoe Ram	74.2 65.3	71.2 71.2 71.2	76.0 72.2	79.0 Excavator 74.0	73.0 71.2 75.2		71.2 71.2 71.2	73.2 71.9	74.0 74.0 74.0
Center 59.01 East 19 Center 69.45 East 19 Center 59.01 East 19	72.8 80.5	71.2 71.2 71.2	75.1 81.0	78.1 84.0	Dump Truck, Concrete Saw, Pile Driver Impact Pile Driver, Concrete Saw, Hoe Ram	69.7 74.0	71.2 71.2 71.2	73.5 75.8	74.0 Dump Truck 78.8 Excavator	69.0 71.2 73.2	74.0 05.5 74.0 67.1 78.0 Excavator 68.6	71.2 71.2 71.2	72.6 73.1	74.0
Center 62.49 East 20 Center 62.49 East 20	68.5 80.3	71.2 71.2 71.2	73.1 80.8	74.0 83.8	Impact Pile Driver, Concrete Saw, Hoe Ram	65.8 73.8	71.2 71.2 71.2	72.3 75.7	74.0 Excavator 78.7 Excavator	65.4 71.2 72.2	76.0 Extavator 06.0 74.0 64.7 78.0 Excavator 68.5	71.2 71.2 71.2	73.1 72.1 73.1	
Center 65.97 East 21 Center 65.97 East 21	69.4 80.2	71.2 71.2	73.4 80.7	74.0 83.7	Impact Pile Driver, Concrete Saw, Hoe Ram	66.4 73.7	71.2 71.2 71.2	72.4 75.6	74.0	65.6 71.2 72.3	74.0 64.7 77.9 Excavator 68.3	71.2 71.2 71.2	72.1 73.0	74.0
Center 69.45 East 22 Center 72.93 East 23	80.0 79.8	71.2	80.5 80.4	83.5 83.4	Impact Pile Driver, Concrete Saw, Hoe Ram Impact Pile Driver, Concrete Saw, Hoe Ram	73.6 73.4	71.2 71.2	75.6 75.4	78.6 Excavator	72.4 71.2 74.9	77.9 Excavator 68.2 77.9 Excavator 68.1	71.2 71.2	73.0 72.9	74.0
Center 76.41 East 24 Center 79.89 East 25	79.7 79.6	71.2 71.2	80.3 80.2	83.3 83.2	Impact Pile Driver, Concrete Saw, Hoe Ram Impact Pile Driver, Concrete Saw, Hoe Ram Impact Pile Driver, Concrete Saw, Hoe Ram	73.3 73.2	71.2 71.2 71.2	75.4 75.3	78.4 Excavator	72.3 71.2 74.8	77.8 Excavator 68.0 77.7 Excavator 67.9	71.2 71.2 71.2	72.9 72.9	74.0
Center 83.37 East 26 Center 86.85 East 27	79.5 79.4	71.2 71.2	80.1 80.0	83.1 83.0	Impact Pile Driver, Concrete Saw, Hoe Ram Impact Pile Driver, Concrete Saw, Hoe Ram Impact Pile Driver, Concrete Saw, Hoe Ram	73.2 73.0	71.2 71.2	75.3 75.2	78.3 Excavator 78.2 Excavator	72.2 71.2 74.7	77.7 Excavator 67.8 77.7 Excavator 67.5	71.2	72.8 72.7	74.0
Center 90.33 East 28 Center 93.81 East 29	79.4 79.4 79.3	71.2 71.2 71.2	80.0 79.9	83.0 82.9	Impact Pile Driver, Concrete Saw, Hoe Ram Impact Pile Driver, Concrete Saw, Hoe Ram Impact Pile Driver, Concrete Saw, Hoe Ram	73.0 72.9 72.8	71.2 71.2 71.2	75.1 75.1	78.1 Excavator 78.1 Excavator		77.6 Excavator 67.3	71.2 71.2 71.2	72.7 72.7 72.7	74.0 74.0 74.0
Center 1.74 Courtyard 1	71.6 68.8	71.2	74.4	77.4 74.0	Impact Pile Driver, Hoe Ram, Concrete Saw	70.4 68.5	71.2 71.2 71.2	73.8 73.1	74.0 74.0	66.0 71.2 72.3 63.5 71.2 71.9	74.0 62.9	71.2 71.2 71.2	71.8	74.0 74.0 74.0
Center 1.74 Courtyard 1 Center 1.74 Courtyard 1 Center 5.22 Courtyard 2	70.7 73.4	71.2 71.2 71.2	74.0 75.4	74.0 74.0 78.4	Impact Pile Driver, Hoe Ram, Concrete Saw	69.4 71.1	71.2 71.2 71.2	73.4	74.0 74.0	64.6 71.2 72.1	74.0 60.1 74.0 64.2	71.2 71.2 71.2	71.5 72.0	74.0
Center 5.22 Courtyard 2	71.5	71.2	74.4	77.4	impactrile briver, noe kam, concrete saw	69.1 69.9	71.2	73.3	74.0 74.0	64.8 71.2 72.1	74.0 61.0	71.2	71.6	74.0
Center 5.23 Courtyard 2 Center 8.7 Courtyard 3 Center 8.7 Courtyard 3	72.8 74.8 72.7	71.2 71.2 71.2	75.1 76.4 75.0	78.1 79.4 78.0	Impact Pile Driver, Hoe Ram, Concrete Saw Impact Pile Driver, Excavator, Concrete Saw	71.8 69.3	71.2 71.2 71.2	73.6 74.5 73.4	77.5 Dump Truck 74.0	66.2 71.2 72.4 69.0 71.2 73.2 65.6 71.2 72.3	74.0 61.3 74.0 66.6 74.0 61.5	71.2 71.2 71.2	71.6 72.5 71.6	
Center 8.71 Courtyard 3 Center 12.18 Courtyard 4	73.3 76.0	71.2 71.2	75.4 77.2	78.4 80.2	Impact Pile Driver, Hoe Ram, Concrete Saw	70.2 72.7	71.2 71.2 71.2	73.7 75.0	74.0 78.0 Dump Truck	66.4 71.2 72.4		71.2 71.2	71.7 71.7 72.5	74.0
Center 12.18 Courtyard 4 Center 12.19 Courtyard 4 Center 12.19 Courtyard 4	72.8 75.0	71.2 71.2	75.1 76.5	78.1	Impact Pile Driver, Excavator, Concrete Saw	69.6 71.0	71.2 71.2 71.2	73.5 74.1	74.0	66.3 71.2 72.4	74.0 62.3 74.0 61.2	71.2 71.2 71.2	71.7 71.6	74.0
Center 15.66 Courtyard 5	77.6 73.7	71.2 71.2	78.5 75.6	81.5 78.6	Impact Pile Driver, Hoe Ram, Concrete Saw Impact Pile Driver, Excavator, Concrete Saw	73.2 70.1	71.2 71.2	75.3		70.8 71.2 74.0	74.0 63.4 74.0 63.4	71.2 71.2	72.7 71.9	74.0
Center 15.68 Courtyard 5 Center 19.14 Courtyard 6	76.3 78.4	71.2	77.5 79.2	80.5 82.2	Impact Pile Driver, Hoe Ram, Concrete Saw	71.2 73.5	71.2 71.2	74.2 75.5	74.0 78.5 Dump Truck	68.5 71.2 73.1	74.0 62.4 77.5 Excavator 68.1	71.2 71.2	71.7 72.9	
Center 19.14 Courtyard 6 Center 19.16 Courtyard 6	74.5 77.6	71.2	76.2 78.5	79.2 81.5	Impact Pile Driver, Excavator, Concrete Saw	70.4	71.2	73.8	74.0 77.6	67.6 71.2 72.8	74.0 62.9 74.0 62.9	71.2 71.2	71.8	
Center 22.62 Courtyard 7 Center 22.62 Courtyard 7	79.3 75.2	71.2	79.9 76.7	82.9 79.7	Impact Pile Driver, Hoe Ram, Concrete Saw Impact Pile Driver, Excavator, Concrete Saw	74.0 70.7	71.2	75.8 74.0		72.0 71.2 74.6	77.6 Excavator 68.6 74.0 63.6	71.2 71.2	73.1 71.9	74.0
Center 22.64 Courtyard 7 Center 26.1 Courtyard 8	78.4 79.6	71.2 71.2	79.2 80.2	82.2 83.2	Impact Pile Driver, Hoe Ram, Concrete Saw	72.5	71.2 71.2	74.9 76.0	77.9 Dump Truck		74.0 64.7	71.2	72.1 73.1	
Center 26.1 Courtyard 8 Center 26.13 Courtyard 8	76.2 78.8	71.2	77.4 79.5	80.4	Impact Pile Driver, Excavator, Concrete Saw	70.9 72.7	71.2 71.2	74.1	74.0 78.0	68.3 71.2 73.0		71.2	71.9 72.1	74.0
Center 29.58 Courtyard 9 Center 31.17 Courtyard 9	80.3 75.7	71.2 71.2	80.8	83.8 80.0	Impact Pile Driver, Hoe Ram, Concrete Saw Impact Pile Driver, Excavator, Concrete Saw	74.3 70.5	71.2 71.2	76.0		72.7 71.2 75.0	78.0 Excavator 68.9 74.0 63.7	71.2 71.2	73.2 71.9	74.0
Center 31.17 Courtyard 9 Center 33.06 Courtyard 10	67.5 80.5	71.2 71.2 71.2	72.7 81.0		Impact Pile Driver, Hoe Ram, Concrete Saw	70.5 64.1 74.5	71.2 71.2 71.2	72.0	74.0 74.0 79.2 Dump Truck	60.2 71.2 71.5	74.0 55.6 78.1 Excavator 69.2	71.2 71.2 71.2	71.3	74.0
Center 34.65 Courtyard 10 Center 34.65 Courtyard 10 Center 34.65 Courtyard 10	77.1 74.2	71.2 71.2	78.1 76.0	81.1	Impact Pile Driver, Excavator, Concrete Saw	71.0 69.3	71.2 71.2		74.0	68.6 71.2 73.1	74.0 63.2 74.0 60.0	71.2 71.2	71.8 71.5	74.0
Center 1.74 North 1 Center 5.22 North 2	78.3 79.3	75.0 75.0	80.0 80.7		Impact Pile Driver, Concrete Saw, Hoe Ram	74.0 75.7	75.0 75.0	77.5 78.4		74.1 75.0 77.6 75.7 75.0 78.4	76.6 66.6 81.4 Excavator 70.1	75.0 75.0	75.6 76.2	76.6
Center 8.7 North 3 Center 12.18 North 4	83.4 84.8	75.0 75.0	84.0 85.2	87.0 88.2		77.4 77.8	75.0 75.0	79.4 79.6	82.4 Tower Crane 82.6 Tower Crane	77.6 75.0 79.5 77.9 75.0 79.7	82.5 Excavator 71.5 82.7 Excavator 71.8	75.0 75.0	76.6 76.7	76.6 76.6
Center 15.66 North 5 Center 19.14 North 6	84.8 84.7	75.0 75.0	85.2 85.1	88.2		77.9 78.1	75.0 75.0	79.7		78.2 75.0 79.9	82.9 Excavator 71.8 83.1 Excavator 71.6	75.0 75.0	76.7 76.6	76.6
Center 22.62 North 7 Center 26.1 North 8	84.5 84.3	75.0 75.0	85.0 84.8	88.0		77.5 77.4	75.0 75.0	79.4	82.4 Tower Crane 82.4 Tower Crane 82.4 Tower Crane	77.8 75.0 79.6	82.6 Excavator 71.5 82.7 Excavator 71.3	75.0 75.0	76.6 76.5	76.6
Center 29.58 North 9 Center 33.06 North 10	84.1 83.8	75.0 75.0		87.6 87.3		77.4 77.1	75.0 75.0	79.4 79.2	82.4 Tower Crane	77.8 75.0 79.6	82.6 Excavator 71.1 82.4 Excavator 70.9	75.0 75.0	76.5 76.4	76.6
Center 38.13 North 10 Center 36.54 North 11	63.0 83.5	71.2 75.0	71.8	74.0 87.1		57.3 76.9	71.2 75.0	71.4 79.1	74.0	55.3 71.2 71.3	74.0 51.3 82.2 Excavator 70.9	71.2 75.0	71.2 76.4	74.0
Center 41.61 North 11 Center 45.09 North 12	67.4 67.6	71.2 71.2	72.7 72.8	74.0		61.8 63.6	71.2 71.2	71.7		59.1 71.2 71.5	74.0 55.4 74.0 57.5	71.2 71.2	71.3 71.4	74.0
Center 38.13 North 13 Center 38.13 North 13	68.6 70.9	75.0 71.2	75.9 74.1	76.6		63.8 65.6	75.0 71.2	75.3	76.6 74.0	63.5 75.0 75.3	76.6 58.6 74.0 59.2	75.0 71.2	75.1 71.5	76.6
Center 48.57 North 13 Center 38.13 North 13	70.2 62.1	71.2	73.7	74.0		63.9 58.0	71.2 71.2	71.9	74.0	62.5 71.2 71.7	74.0 59.6 74.0 52.9	71.2	71.5 71.3	74.0
Center 41.61 North 14 Center 41.61 North 14	74.2 77.9	75.0 71.2	77.6 78.7	76.6 81.7	Impact Pile Driver, Concrete Saw, Hoe Ram	69.7 72.3	75.0 71.2	76.1 74.8	76.6 77.8		76.6 64.2	75.0 75.2	75.3 72.2	76.6
Center 41.61 North 14 Center 52.05 North 14 Center 41.61 North 14	71.2 64.0	71.2 71.2 71.2	74.2 72.0	74.0 74.0		65.0 59.7	71.2 71.2 71.2	72.1 71.5	74.0 74.0	64.1 71.2 72.0 57.7 71.2 71.4	74.0 59.8	71.2 71.2 71.2	71.5 71.3	74.0 74.0 74.0
Center 45.09 North 15 Center 45.09 North 15 Center 45.09 North 15	78.4 80.6	71.2 75.0 75.0	80.0 81.7	83.0 84.7	Impact Pile Driver, Concrete Saw, Hoe Ram Impact Pile Driver, Concrete Saw, Hoe Ram	72.8 73.8	75.0 75.0	77.0 77.5	76.6 76.6	72.3 75.0 76.9	76.6 66.9 76.6 67.5	71.2 75.0 75.0	75.6 75.7	76.6
Center 45.09 North 15 Center 55.53 North 15 Center 45.09 North 15	69.5	71.2	73.4	74.0	impact rise briver, concrete Saw, Hoe Kam	73.8 64.4 59.9	71.2	72.0	74.0	63.8 71.2 71.9	76.6 67.5 74.0 59.5 74.0 53.3	71.2	71.5	74.0
Center 48.57 North 16 Center 48.57 North 16 Center 48.57 North 16	66.0 80.3 81.3	71.2 75.0 75.0	72.3 81.4 82.2	74.0 84.4 85.2	Impact Pile Driver, Concrete Saw, Hoe Ram Impact Pile Driver, Concrete Saw, Hoe Ram	73.7 74.3	71.2 75.0 75.0	71.5 77.4 77.7	74.0 76.6 76.6	58.4 71.2 71.4 73.5 75.0 77.3 74.3 75.0 77.7	76.6 68.2	71.2 75.0 75.0	71.3 75.8 75.7	
Center 48.57 North 16 Center 59.01 North 16 Center 48.57 North 16	81.3 70.1 66.9	75.0 71.2 71.2		74.0	impact rise briver, concrete Saw, Hoe Kam	65.4 60.6	75.0 71.2 71.2	77.7 72.2 71.6	74.0	64.1 71.2 72.0	74.0 61.2 74.0 55.0	75.0 71.2 71.2	75.7 71.6 71.3	74.0
Center 52.05 North 17	80.7	71.2 75.0 75.0	72.6 81.7 82.1		Impact Pile Driver, Concrete Saw, Hoe Ram	73.9	75.0		76.6	73.8 75.0 77.5	74.0 55.0 76.6 68.7 76.6 67.9	71.2 75.0 75.0	71.3 75.9 75.8	76.6
Center 52.05 North 17 Center 62.49 North 17 Center 52.05 North 17	81.2 70.2	71.2	73.7		Impact Pile Driver, Concrete Saw, Hoe Ram	74.5 65.7	75.0 71.2	72.3	74.0	64.3 71.2 72.0	74.0 61.1	71.2	71.6	74.0
Center 52.05 North 17 Center 55.53 North 18 Conter 55.53 North 18	68.3 80.5	71.2 75.0	73.0 81.6	84.6		61.7 74.2	71.2 75.0	71.7 77.6	74.0 76.6	74.2 75.0 77.6	74.0 56.6 76.6 68.5	71.2 75.0	71.3 75.9	76.6
Center 55.53 North 18	81.0	75.0	82.0	0.Co	Impact Pile Driver, Concrete Saw, Hoe Ram	74.5	75.0	77.8	76.6	74.5 75.0 77.8	76.6 67.7	75.0	75.7	76.6

550 Washington Street FEIS Construction Noise Analysis Center Building Assumes Simultaneous Construction of North and South Buildings

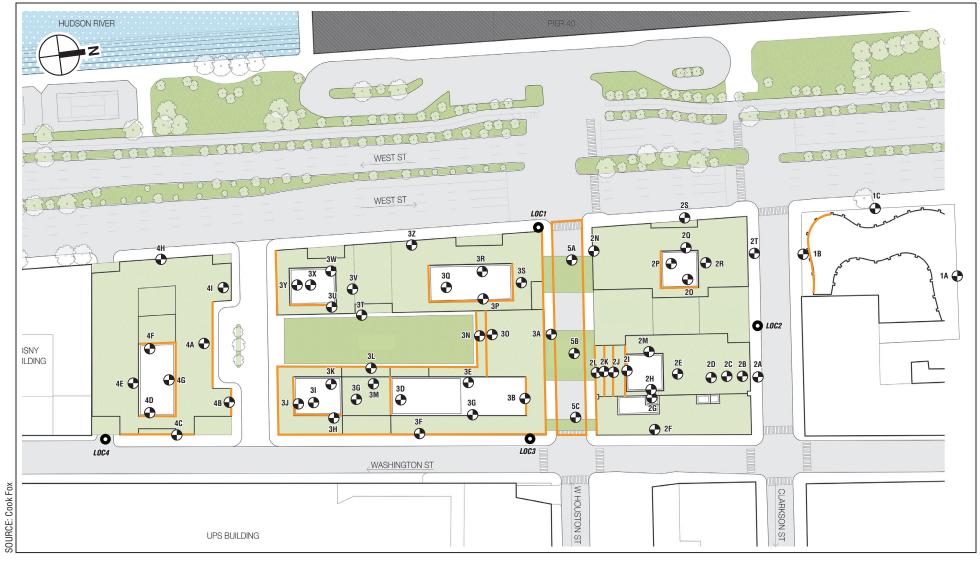
		Yea	ar 1 Results				Year 2 I	Results		Year 3 Results		Year 4 Results		
Building Height Façade Floor	Calculated construction Noise level L _{eq (dBA)}	Non Construction Noise Leq (dBA)	Total Level L _{eq (dBA)}	Total L10 L ₁₀	Dominant Noise Source	Calculated construction Noise level Leq (dBA)	Non Construction Noise L _{eq (dBA)}	Total Level L _{eq (dBA)}	Total L10 Dominant Noise Source L ₁₀	$ \begin{array}{c ccc} Calculated construction Noise & Non Construction Noise & Total Level \\ \hline & L_{eq(dBA)} & L_{eq(dBA)} & L_{eq(dBA)} \\ \end{array} $		Non Construction Noise L _{eq (dBA)}		al L10 Dominant Noise Source
(m) Center 65.97 North 18	70.4	71.2	73.8	74.0		65.9	71.2	72.3	74.0	64.7 71.2 72.1	74.0 60.9	71.2		4.0
Center 55.53 North 18 Center 59.01 North 19	64.5 80.4	71.2 75.0	72.0 81.5	74.0 84.5	Impact Pile Driver, Concrete Saw, Hoe Ram	59.9 73.8	71.2 75.0	71.5 77.5	74.0	58.8 71.2 71.4 73.8 75.0 77.5	74.0 56.1	71.2 75.0	71.3 7	4.0
Center 69.45 North 19 Center 59.01 North 19	70.7 65.6	71.2 71.2	74.0 72.3	74.0 74.0		66.1 61.4	71.2 71.2	72.4 71.6	74.0	64.8 71.2 72.1 60.4 71.2 71.5	74.0 61.1	71.2 71.2	71.6 7	4.0
Center 62.49 North 20	80.3 67.3	75.0 71.2	81.4 72.7	84.4	Impact Pile Driver, Concrete Saw, Hoe Ram	73.7	75.0 71.2	77.4	76.6	73.8 75.0 77.5 61.7 71.2 71.7	76.6 68.5	75.0 71.2	75.9 7	6.6
Center 65.97 North 21	80.0	75.0	81.2	84.2	Impact Pile Driver, Concrete Saw, Hoe Ram	73.5	75.0	77.3	76.6	73.6 75.0 77.4	76.6 68.2	75.0	75.8 7	6.6
Center 65.97 North 21 Center 69.45 North 22	68.0 68.8	71.2 71.2	72.9 73.2	74.0 74.0		63.2 63.8	71.2 71.2	71.8 71.9	74.0	62.6 71.2 71.8 63.4 71.2 71.9	74.0 57.9	71.2 71.2	71.4 7	4.0
Center 72.93 North 23 Center 76.41 North 24	69.3 70.2	71.2 71.2	73.4 73.7	74.0 74.0		64.5 65.2	71.2 71.2	72.0 72.2	74.0	63.8 71.2 71.9 64.6 71.2 72.1	74.0 59.1	71.2 71.2	71.5 7	4.0
Center 79.89 North 25 Center 83.37 North 26	70.4 70.9	71.2 71.2	73.8 74.1	74.0 74.0		66.6 66.8	71.2 71.2	72.5 72.5		65.7 71.2 72.3 66.0 71.2 72.3		71.2 71.2		4.0
Center 86.85 North 27 Center 90.33 North 28	71.6 72.8	71.2 71.2	74.4 75.1	77.4 78.1		66.8 67.2	71.2 71.2	72.5 72.7	74.0 74.0	66.4 71.2 72.4 67.1 71.2 72.6		71.2 71.2		4.0
Center 93.81 North 29 Center 1.74 South 1	72.8 77.0	71.2 71.2	75.1 78.0	78.1 81.0	Impact Pile Driver, Concrete Saw, Hoe Ram	67.6 74.4	71.2 71.2	72.8 76.1	74.0 79.1 Dump Truck	66.9 71.2 72.6 70.3 71.2 73.8	74.0 60.6 74.0 66.8	71.2 71.2	71.6 7	4.0
Center 1.74 South 1 Center 5.22 South 2	76.4 78.9	82.9 71.2	83.8 79.6	83.3 82.6	Impact Pile Driver, Concrete Saw, Hoe Ram	73.9 75.6	82.9 71.2	83.4 76.9	83.3	69.3 82.9 83.1 72.7 71.2 75.0	83.3 65.4	82.9 71.2	83.0 8	3.3 4.0
Center 5.22 South 2 Center 8.7 South 3	77.4 81.0	82.9 71.2	84.0 81.4	83.3 84.4	Impact Pile Driver, Concrete Saw, Hoe Ram	74.5 76.8	82.9 71.2	83.5 77.9	83.3 Dump Truck	70.9 82.9 83.2 74.4 71.2 76.1	83.3 66.7	82.9 71.2	83.0 8	3.3 4.0 Dump Truck
Center 8.7 South 3	79.0	82.9	84.4	83.3		75.9	82.9	83.7	83.3	73.0 82.9 83.4	83.3 68.7	82.9	83.1 8	3.3
Center 12.18 South 4 Center 12.18 South 4	83.3 82.1	71.2 82.9	83.6 85.5	86.6 83.3		78.0 76.8	71.2 82.9	78.8 83.9	83.3	75.8 71.2 77.1 74.4 82.9 83.5 76.8 71.2 77.9	80.1 Dump Truck 72.1 83.3 70.0	71.2 82.9	83.1 8	3.3
Center 15.66 South 5 Center 15.66 South 5	84.3 83.0	71.2 82.9	84.5 86.0	87.5 89.0	Impact Pile Driver, Concrete Saw, Hoe Ram Impact Pile Driver, Concrete Saw, Hoe Ram	78.4 77.3	71.2 82.9	79.2 84.0		75.0 82.9 83.6	83.3 70.2	71.2 82.9	83.2 8	8.1 Dump Truck 3.3
Center 19.14 South 6 Center 19.14 South 6	84.5 83.7	71.2 82.9	84.7 86.3	87.7 89.3	Impact Pile Driver, Concrete Saw, Hoe Ram Impact Pile Driver, Concrete Saw, Hoe Ram	78.6 77.5	71.2 82.9	84.0	82.3 Dump Truck 83.3	76.9 71.2 77.9 75.5 82.9 83.7	83.3 70.8	71.2 82.9	83.2 8	8.4 Dump Truck 3.3
Center 22.62 South 7 Center 22.62 South 7	84.6 83.7	71.2 82.9	84.8 86.3	87.8 89.3	Impact Pile Driver, Concrete Saw, Hoe Ram Impact Pile Driver, Concrete Saw, Hoe Ram	78.4 77.5	71.2 82.9		82.2 Dump Truck 83.3	76.8 71.2 77.9 75.6 82.9 83.7		71.2 82.9		8.3 Dump Truck 3.3
Center 26.1 South 8 Center 26.1 South 8	84.7 83.8	71.2 82.9	84.9 86.4	87.9 89.4	Impact Pile Driver, Concrete Saw, Hoe Ram Impact Pile Driver, Concrete Saw, Hoe Ram	78.1 77.5	71.2 82.9	78.9 84.0		76.6 71.2 77.7 75.6 82.9 83.7	80.7 Dump Truck 72.8	71.2 82.9	75.1 7	8.1 Dump Truck 3.3
Center 29.58 South 9 Center 31.17 South 10	83.8 76.0	82.9 71.2	86.4 77.2	89.4 80.2	Impact Pile Driver, Concrete Saw, Hoe Ram Impact Pile Driver, Concrete Saw, Hoe Ram	77.3 71.6	82.9 71.2	84.0 74.4	83.3 77.4	75.4 82.9 83.6 68.9 71.2 73.2		82.9 71.2	83.2 8	3.3
Center 33.07 South 10 Center 34.65 South 11	83.7 82.6	82.9 71.2	86.3 82.9	89.3 85.9	Impact Pile Driver, Concrete Saw, Noe Ram Impact Pile Driver, Concrete Saw, Hoe Ram Impact Pile Driver, Concrete Saw, Hoe Ram	77.2 76.2	82.9 71.2	84.0 77.4	83.3 80.4 Dump Truck		83.3 70.5	82.9 71.2	83.2 8	3.3
Center 38.13 South 12 Center 38.13 South 12 Center 38.13 South 13	82.9 64.5	71.2 71.2 71.2	83.2 72.0	86.2 74.0	Impact Pile Driver, Concrete Saw, Hoe Ram	76.5 60.0	71.2	77.6 71.5	80.6 Dump Truck	75.0 71.2 76.5 57.6 71.2 71.4	79.5 Dump Truck 71.3	71.2 71.2 71.2	74.3 7	7.3
Center 38.13 South 13	62.9 74.0	71.2 71.2 82.9	71.8	74.0	Impact Pile Driver, Concrete Saw, Hoe Ram	59.0 69.3	71.2 71.2 82.9	71.5 71.5 83.1	74.0	56.6 71.2 71.3	74.0 52.1	71.2	71.3 7	4.0
Center 41.61 South 13	82.4	71.2	83.5 82.7	83.3 85.7	Impact Pile Driver, Concrete Saw, Hoe Ram	76.4	71.2	77.5	83.3 80.5 Dump Truck	74.8 71.2 76.4	83.3 62.8 79.4 Dump Truck 71.1 74.0 56.4	82.9 71.2	74.2 7	4.0
Center 41.61 South 14 Center 41.61 South 14	71.5 68.0	71.2 71.2	74.4 72.9	77.4 74.0		66.0 64.3	71.2 71.2	72.3 72.0	74.0	63.3 71.2 71.9 61.6 71.2 71.7	74.0 58.5	71.2 71.2	71.4 7	4.0
Center 41.61 South 14 Center 45.09 South 14	81.7 82.3	82.9 71.2	85.4 82.6	83.3 85.6	Impact Pile Driver, Concrete Saw, Hoe Ram	75.6 76.2	82.9 71.2	83.7 77.4	80.4 Dump Truck	73.8 82.9 83.4 74.7 71.2 76.3	79.3 Dump Truck 70.8	82.9 71.2	74.0 7	3.3 4.0
Center 45.09 South 15 Center 45.09 South 15	74.5 73.2	71.2 71.2	76.2 75.3	79.2 78.3	Impact Pile Driver, Hoe Ram, Concrete Saw Impact Pile Driver, Concrete Saw, Hoe Ram	67.4 67.4	71.2 71.2	72.7 72.7		64.9 71.2 72.1 65.4 71.2 72.2		71.2 71.2		4.0
Center 45.09 South 15 Center 48.57 South 15	82.7 82.1	82.9 71.2	85.8 82.4	83.3 85.4	Impact Pile Driver, Concrete Saw, Hoe Ram	76.0 76.0	82.9 71.2	83.7 77.2	83.3 80.2 Dump Truck	74.3 82.9 83.5 74.5 71.2 76.2		82.9 71.2		3.3 4.0
Center 48.57 South 16 Center 48.57 South 16	74.4 74.6	71.2 71.2	76.1 76.2	79.1 79.2	Impact Pile Driver, Hoe Ram, Concrete Saw Impact Pile Driver, Concrete Saw, Hoe Ram	67.7 67.8	71.2 71.2	72.8 72.8	74.0 74.0	65.8 71.2 72.3 65.9 71.2 72.3	74.0 60.0	71.2 71.2	71.5 7	4.0
Center 48.57 South 16 Center 52.05 South 16	82.5 81.9	82.9 71.2	85.7 82.3	83.3 85.3	Impact Pile Driver, Concrete Saw, Hoe Ram	75.6 75.7	82.9 71.2	83.7 77.0		73.9 82.9 83.4 74.1 71.2 75.9	83.3 69.5	82.9 71.2	83.1 8	3.3
Center 52.05 South 17	74.8	71.2	76.4	79.4	Impact Pile Driver, Hoe Ram, Concrete Saw	68.7	71.2	73.1	74.0	66.8 71.2 72.5	74.0 61.4	71.2	71.6 7	4.0
Center 52.05 South 17 Center 52.05 South 17	74.6 82.2	71.2 82.9	76.2 85.6	79.2 83.3	Impact Pile Driver, Concrete Saw, Hoe Ram	68.1 75.4	71.2 82.9	72.9 83.6	83.3	66.0 71.2 72.3 73.6 82.9 83.4	83.3 69.1	71.2 82.9	83.1 8	3.3
Center 55.53 South 17 Center 55.53 South 18	81.8 75.3	71.2 71.2	82.2 76.7	85.2 79.7	Impact Pile Driver, Concrete Saw, Hoe Ram Impact Pile Driver, Hoe Ram, Concrete Saw	75.5 68.9	71.2 71.2	76.9 73.2	79.9 Dump Truck 74.0	73.9 71.2 75.8 66.9 71.2 72.6	74.0 61.5	71.2 71.2	71.6 7	4.0
Center 55.53 South 18 Center 55.53 South 18	75.0 82.0	71.2 82.9	76.5 85.5	79.5 83.3	Impact Pile Driver, Concrete Saw, Hoe Ram	68.3 75.2	71.2 82.9	73.0 83.6	74.0 83.3	66.4 71.2 72.4 73.4 82.9 83.4		71.2 82.9	83.1 8	4.0
Center 59.01 South 18 Center 59.01 South 19	81.5 75.1	71.2 71.2	81.9 76.6	84.9 79.6	Impact Pile Driver, Concrete Saw, Hoe Ram Impact Pile Driver, Hoe Ram, Concrete Saw	75.2 69.1	71.2 71.2	76.7 73.3		73.7 71.2 75.6 67.3 71.2 72.7		71.2 71.2		4.0
Center 59.01 South 19 Center 62.49 South 19	81.8 81.3	82.9 71.2	85.4 81.7	83.3 84.7	Impact Pile Driver, Concrete Saw, Hoe Ram	75.0 75.0	82.9 71.2	83.6 76.5		73.3 82.9 83.4 73.4 71.2 75.4		82.9 71.2		3.3 4.0
Center 62.49 South 20 Center 62.49 South 20	74.8 81.6	71.2 82.9	76.4 85.3	79.4 83.3	Impact Pile Driver, Hoe Ram, Concrete Saw	68.5 74.8	71.2 82.9	73.1 83.6	74.0 83.3	66.5 71.2 72.5 73.1 82.9 83.4	74.0 62.1	71.2 82.9		4.0
Center 65.97 South 20 Center 65.97 South 21	81.1 74.7	71.2 71.2	81.5 76.3	84.5 79.3	Impact Pile Driver, Concrete Saw, Hoe Ram Impact Pile Driver, Hoe Ram, Concrete Saw	74.8 67.8	71.2 71.2	76.4 72.8	79.4 Dump Truck	73.2 71.2 75.3 66.1 71.2 72.4	78.3 Dump Truck 69.0	71.2 71.2	73.2 7	4.0
Center 65.97 South 21 Center 69.45 South 21	81.3 80.9	82.9 71.2	85.2 81.3	83.3 84.3	Impact Pile Driver, Concrete Saw, Hoe Ram	74.5 74.5	82.9 71.2	83.5 76.2	83.3 79.2 Dump Truck	72.9 82.9 83.3 73.0 71.2 75.2		82.9 71.2		3.3
Center 69.45 South 22 Center 72.93 South 23	81.1 80.8	82.9 82.9	85.1 85.0	83.3 83.3		74.3	82.9 82.9	83.5 83.5	83.3	72.7 82.9 83.3 72.5 82.9 83.3	83.3 68.0	82.9 82.9	83.1 8	3.3
Center 76.41 South 24 Center 79.89 South 25	80.6 80.4	82.9 82.9	84.9 84.9	83.3		74.0 73.8	82.9 82.9	83.5	83.3	72.4 82.9 83.3	83.3 67.7	82.9 82.9	83.1 8	3.3
Center 83.37 South 26	80.2	82.9	84.8	83.3		73.6	82.9	83.4	83.3 83.3	72.0 82.9 83.3	83.3 67.3	82.9		3.3
Center 86.85 South 27 Center 90.33 South 28	80.0 79.7	82.9 82.9	84.7 84.6	83.3		73.2 73.0	82.9 82.9	83.4	83.3 83.3	71.6 82.9 83.2 71.5 82.9 83.2	83.3 67.0	82.9 82.9	83.0 8	3.3
Center 93.81 South 29 Center 1.74 West 1	79.5 61.5	82.9 82.9	84.6 83.0	83.3		72.8 62.5	82.9 82.9	83.0	83.3 83.3	71.2 82.9 83.2 60.7 82.9 83.0	83.3 53.3	82.9 82.9	82.9 8	3.3
Center 5.22 West 2 Center 8.7 West 3	65.5 65.2	82.9 82.9	83.0 83.0	83.3		64.1 63.6	82.9 82.9	83.0	83.3 83.3	62.2 82.9 83.0 61.4 82.9 83.0	83.3 54.0	82.9 82.9	82.9 8	3.3
Center 12.18 West 4 Center 15.66 West 5	66.1 67.2	82.9 82.9	83.0 83.0	83.3		64.4 65.4	82.9 82.9	83.0	83.3 83.3	63.7 82.9 83.0 64.5 82.9 83.0 64.4 82.9 83.0	83.3 56.1 83.3 56.1	82.9 82.9	82.9 8	3.3
Center 19.14 West 6 Center 22.62 West 7	67.6 67.0	82.9 82.9	83.1 83.0			66.0 65.9	82.9 82.9		83.3	64.2 82.9 83.0	83.3 49.6	82.9 82.9	82.9 8: 82.9 8:	3.3
Center 26.1 West 8 Center 31.17 West 9	67.1 64.9	82.9 71.2	83.0 72.1			66.0 63.1	82.9 71.2		83.3 74.0	64.1 82.9 83.0 59.6 71.2 71.5		82.9 71.2		3.3 4.0
Center 29.58 West 9 Center 34.65 West 10	67.3 71.7	82.9 71.2	83.1 74.5			66.0 68.8	82.9 71.2		83.3	64.0 82.9 83.0 66.2 71.2 72.4	83.3 49.6	82.9 71.2		3.3 4.0
Center 31.17 West 10 Center 33.06 West 10	70.2 67.7	71.2 82.9	73.7 83.1	74.0 83.3		66.7 65.9	71.2 82.9	72.5 83.0	74.0	62.9 71.2 71.8 63.9 82.9 83.0	74.0 57.9	71.2 82.9		4.0
Center 38.13 West 11 Center 34.65 West 11	74.4 78.1	71.2 71.2	76.1 78.9	79.1		69.4 72.0	71.2 71.2	73.4	74.0 77.6	67.2 71.2 72.7 68.9 71.2 73.2	74.0 62.3	71.2 71.2	71.7 7	4.0
Center 41.61 West 12 Center 38.13 West 12	74.5 80.4	71.2 71.2	76.2			68.8 73.4	71.2 71.2 71.2	73.2	74.0 78.4	66.9 71.2 72.6 71.0 71.2 74.1	74.0 61.0	71.2 71.2 71.2	71.6 7	4.0
Center 38.13 West 12 Center 45.09 West 13 Center 38.13 West 13	75.2 59.7	71.2 71.2 82.9	76.7	79.7	Impact Pile Driver, Concrete Saw, Hoe Ram	73.4 70.1 54.3	71.2 71.2 82.9	73.7		68.3 71.2 73.0	74.0 62.3	71.2 71.2 82.9	71.7 7	4.0
Center 41.61 West 13	81.4	71.2	81.8			74.2	71.2	76.0	79.0	72.1 71.2 74.7	77.7 66.4	71.2	72.4 7	4.0
Center 38.13 West 13 Center 48.57 West 14	62.1 76.5	82.9 71.2	83.0 77.6	83.3 80.6		57.2 70.6	82.9 71.2	82.9 73.9	74.0	54.1 82.9 82.9 69.1 71.2 73.3	74.0 63.2	82.9 71.2	71.8 7	3.3 4.0
Center 41.61 West 14 Center 45.09 West 14	60.2 81.1	82.9 71.2	83.0 81.5	83.3 84.5		56.4 74.0	82.9 71.2	82.9 75.8	78.8	72.1 71.2 74.7	77.7 66.4	82.9 71.2		3.3 4.0
Center 41.61 West 14 Center 52.05 West 15	66.1 77.0	82.9 71.2	83.0 78.0	83.3		62.0 71.5	82.9 71.2	83.0 74.4	83.3	57.1 82.9 82.9 70.0 71.2 73.7	83.3 52.6	82.9 71.2	82.9 8	3.3 4.0
Center 45.09 West 15 Center 48.57 West 15	61.6 80.9	82.9 71.2	83.0 81.3	83.3		60.0 73.8	82.9 71.2	83.0 75.7	83.3 78.7	57.8 82.9 82.9 71.9 71.2 74.6	83.3 46.7 77.6 65.7	82.9 71.2	82.9 8: 72.3 7-	3.3 4.0
Center 45.09 West 15 Center 55.53 West 16	70.1 77.3	82.9 71.2		83.3 81.3		66.1 71.9	82.9 71.2	83.0 74.6	83.3	61.6 82.9 83.0 70.6 71.2 73.9	83.3 56.2 74.0 64.7	82.9 71.2	82.9 8	3.3
Center 48.57 West 16 Center 52.05 West 16	63.1 80.9	82.9 71.2	83.0 81.3	83.3		61.6 73.5	82.9 71.2	83.0	83.3 78.5	70.6 71.2 73.3 59.0 82.9 83.0 71.7 71.2 74.5	83.3 49.3	82.9 71.2	82.9 8	3.3
Center 48.57 West 16	72.5	82.9	83.3	83.3		68.2	82.9	83.1	83.3	65.4 82.9 83.0	83.3 56.9	82.9	82.9 8	3.3
Center 59.01 West 17 Center 52.05 West 17	78.1 65.7	71.2 82.9	83.0	81.9 83.3		71.8 63.5	71.2 82.9	83.0	77.5 83.3	70.6 71.2 73.9 60.5 82.9 83.0	83.3 50.2	71.2 82.9	82.9 8	4.0
Center 55.53 West 17 Center 52.05 West 17	80.8 73.9	71.2 82.9	81.3 83.4	83.3		73.4 68.1	71.2 82.9	75.4 83.1	83.3	71.6 71.2 74.4 65.2 82.9 83.0	83.3 56.8	71.2 82.9	82.9 8	4.0 3.3
Center 62.49 West 18	78.6	71.2	79.3	82.3	1	72.1	71.2	74.7	77.7	70.8 71.2 74.0	74.0 64.0	71.2	72.0 7	4.0

550 Washington Street FEIS Construction Noise Analysis Center Building Assumes Simultaneous Construction of North and South Buildings

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		Yea	ar 1 Results			Year 2	Results					Year 4 Results							
Building Height Façade Floor	Calculated construction Noise level	Non Construction Noise	Total Level Total L10	Dominant Noise Source	Calculated construction Noise level	Non Construction Noise	Total Level	Total L10	Dominant Noise Source	Calculated construction Noise level	Non Construction Noise	Total Level	Total L10	Dominant Noise Source	Calculated construction Noise level	Non Construction Noise	Total Level	Total L10	Dominant Noise Source
	L _{eq (dBA)}	L _{eq (dBA)}	L _{eq (dBA)} L ₁₀		L _{eq (dBA)}	L _{eq (dBA)}	L _{eq (dBA)}	L ₁₀		L _{eq (dBA)}	L _{eq (dBA)}	L _{eq (dBA)}	L ₁₀		L _{eq (dBA)}	L _{eq (dBA)}	L _{eq (dBA)}	L ₁₀	
(m)																		i l	
Center 55.53 West 18	68.1	82.9	83.1 83.3		63.9	82.9	83.0	83.3		61.9	82.9	83.0	83.3		50.8	82.9	82.9	83.3	
Center 59.01 West 18	80.5	71.2	81.0 84.0		73.1	71.2	75.3	78.3		71.3	71.2	74.3	77.3		64.9	71.2	72.1	74.0	
Center 55.53 West 18	74.1	82.9	83.5 83.3		67.9	82.9	83.1	83.3		65.1	82.9	83.0	83.3		56.6	82.9	82.9	83.3	
Center 65.97 West 19	79.0	71.2	79.7 82.7		72.5	71.2	74.9	77.9		71.5	71.2	74.4	77.4		64.1	71.2	72.0	74.0	
Center 62.49 West 19	80.4	71.2	80.9 83.9		73.0	71.2	75.2	78.2		71.2	71.2	74.2	74.0		64.9	71.2	72.1	74.0	
Center 59.01 West 19	74.0	82.9	83.5 83.3		67.8	82.9	83.1	83.3		65.0	82.9	83.0	83.3		56.5	82.9	82.9	83.3	
Center 69.45 West 20	79.3	71.2	79.9 82.9		72.6	71.2	75.0	78.0		71.7	71.2	74.5	77.5		65.0	71.2	72.1	74.0	
Center 65.97 West 20	80.2	71.2	80.7 83.7		73.0	71.2	75.2	78.2		71.3	71.2	74.3	77.3		64.9	71.2	72.1	74.0	
Center 62.49 West 20	73.8	82.9	83.4 83.3		67.7	82.9	83.1	83.3		64.9	82.9	83.0	83.3		56.3	82.9	82.9	83.3	
Center 69.45 West 21	80.0	71.2	80.5 83.5		72.9	71.2	75.1	78.1		71.2	71.2	74.2	74.0		64.8	71.2	72.1	74.0	
Center 65.97 West 21	73.7	82.9	83.4 83.3		67.6	82.9	83.1	83.3		64.7	82.9	83.0	83.3		56.2	82.9	82.9	83.3	
Center 69.45 West 22	73.5	82.9	83.4 83.3		67.5	82.9	83.1	83.3		64.6	82.9	83.0	83.3		56.1	82.9	82.9	83.3	
Center 72.93 West 23	73.4	82.9	83.4 83.3		67.3	82.9	83.1	83.3		64.4	82.9	83.0	83.3		55.9	82.9	82.9	83.3	
Center 76.41 West 24	73.3	82.9	83.4 83.3		67.2	82.9	83.0	83.3		64.3	82.9	83.0	83.3		55.8	82.9	82.9	83.3	
Center 79.89 West 25	73.1	82.9	83.4 83.3		67.1	82.9	83.0	83.3		64.2	82.9	83.0	83.3		55.8	82.9	82.9	83.3	
Center 83.37 West 26	73.0	82.9	83.4 83.3		67.1	82.9	83.0	83.3		64.2	82.9	83.0	83.3		55.6	82.9	82.9	83.3	
Center 86.85 West 27	72.9	82.9	83.3 83.3		67.0	82.9	83.0	83.3	<u> </u>	64.2	82.9	83.0	83.3	·	55.5	82.9	82.9	83.3	
Center 90.33 West 28	72.8	82.9	83.3 83.3		66.8	82.9	83.0	83.3	<u> </u>	64.1	82.9	83.0	83.3	·	55.4	82.9	82.9	83.3	
Center 93.81 West 29	72.8	82.9	83.3 83.3		66.6	82.9	83.0	83.3		64.0	82.9	83.0	83.3		55.3	82.9	82.9	83.3	

550 Washington Street FEIS Construction Noise Analysis South Building Assumes Simultaneous Construction of North and Center Buildings

								onstruction of North and Center Bui	0-				-			
			ear 1 Results			Year 2 Resul		T. 1140 D. 1 . 111 . 0		Year 3 Result				Year 4 Resu		140 0 1 111 0
Building Height Façade Floor	Calculated construction Noise level L _{eq (dBA)}			0 Dominant Noise Source	Calculated construction Noise level			L ₁₀ Dominant Noise Source	L _{eq (dBA)}		L _{eq (dBA)} L ₁₀	Dominant Noise Source	Calculated construction Noise leve L _{eq (dBA)}	L _{eq (dBA)}	L _{eq (dBA)} L ₁	
(m)	Leq (dBA)	Leq (dBA)	L _{eq (dBA)} L ₁₀		L _{eq} (dBA)	L _{eq (dBA)}	L _{eq} (dBA)	L ₁₀	Leq (dBA)	L _{eq} (dBA)	Leq (dBA)		⊢eq (dBA)	Leq (dBA)	Leq (dBA)	'
South 1.98 East 1	67.5	71.2	72.7 74.0		65.9	71.2	72.3	74.0	66.5	71.2	72.5 74.0		63.5	71.2	71.9 74	.0
South 1.98 East 1	72.7	71.2	75.0 78.0		71.6	71.2	74.4	77.4 Excavator	72.5	71.2	74.9 77.9	Dump Truck	68.9	71.2	73.2 74	
South 5.94 East 2	71.0	71.2	74.1 74.0		68.5	71.2	73.1	74.0	68.3	71.2	73.0 74.0	•	66.7	71.2	72.5 74	.0
South 5.94 East 2	78.2	71.2	79.0 82.0		74.1	71.2	75.9	78.9 Excavator	74.6	71.2	76.2 79.2	Dump Truck	73.0	71.2	75.2 78	
South 9.9 East 3	73.3	71.2	75.4 78.4		69.3	71.2	73.4	74.0	69.1	71.2	73.3 74.0		67.6	71.2	72.8 74	
South 9.9 East 3 South 13.86 East 4	80.9 75.1	71.2 71.2	81.3 84.3 76.6 79.6		75.2 70.0	71.2 71.2	76.7 73.7	79.7 Excavator 74.0	75.7 70.4	71.2 71.2	77.0 80.0 73.8 74.0	Dump Truck	75.4 69.9	71.2 71.2	76.8 79 73.6 74	
South 13.86 East 4	81.7	71.2	82.1 85.1		75.5	71.2	76.9	79.9 Excavator	76.6	71.2	77.7 80.7	Dump Truck	75.7	71.2	77.0 80	
South 17.82 East 5	76.0	71.2	77.2 80.2		70.2	71.2	73.7	74.0	70.6	71.2	73.9 74.0	Damp Hack	70.0	71.2	73.7 74	
South 17.82 East 5	81.9	71.2	82.3 85.3		75.6	71.2	76.9	79.9 Excavator	76.6	71.2	77.7 80.7	Dump Truck	75.8	71.2	77.1 80	
South 21.78 East 6	76.7	71.2	77.8 80.8	Impact Pile Driver, Concrete Saw, Hoe Ram	69.5	71.2	73.4	74.0	69.6	71.2	73.5 74.0		69.9	71.2	73.6 74	.0
South 21.78 East 6	82.0	71.2	82.3 85.3		75.7	71.2	77.0	80.0 Excavator	76.6	71.2	77.7 80.7	Dump Truck	75.7	71.2	77.0 80	
South 25.74 East 7	74.6	71.2	76.2 79.2		68.7	71.2	73.1	74.0	68.8	71.2	73.2 74.0		68.8	71.2	73.2 74	
South 25.74 East 7 South 29.7 East 8	82.1 71.6	71.2 71.2	82.4 85.4 74.4 77.4		75.7 66.3	71.2 71.2	77.0 72.4	80.0 Excavator 74.0	76.5 66.8	71.2 71.2	77.6 80.6 72.5 74.0	Dump Truck	75.5 66.3	71.2 71.2	76.9 79 72.4 74	
South 29.7 East 8	81.7	71.2	82.1 85.1		75.6	71.2	76.9	79.9 Excavator	76.3	71.2	77.5 80.5	Dump Truck	75.3	71.2	76.7 79	
South 37.62 East 9	60.4	71.2	71.5 74.0		58.1	71.2	71.4	74.0	58.0	71.2	71.4 74.0		56.9	71.2	71.4 74	
South 33.66 East 9	60.4	71.2	71.5 74.0		58.1	71.2	71.4	74.0	58.0	71.2	71.4 74.0		56.9	71.2	71.4 74	.0
South 33.66 East 9	81.6	71.2	82.0 85.0		75.3	71.2	76.7	79.7 Excavator	75.9	71.2	77.2 80.2	Dump Truck	75.0	71.2	76.5 79	
South 41.58 East 10	64.4	71.2	72.0 74.0		63.5	71.2	71.9	74.0	63.2	71.2	71.8 74.0		61.3	71.2	71.6 74	
South 45.54 East 11	68.4	71.2	73.0 74.0		65.9	71.2	72.3	74.0	65.3	71.2	72.2 74.0		63.4	71.2	71.9 74	
South 49.5 East 12 South 53.46 East 13	70.4 71.5	71.2 71.2	73.8 74.0 74.4 77.4		67.4 67.7	71.2 71.2	72.7 72.8	74.0 74.0	66.4 66.8	71.2 71.2	72.4 74.0 72.5 74.0		65.0 65.9	71.2 71.2	72.1 74 72.3 74	
South 57.42 East 14	72.5	71.2	74.4 77.4		67.7	71.2	72.8	74.0	67.1	71.2	72.6 74.0		66.3	71.2	72.4 74	
South 61.38 East 15	72.6	71.2	75.0 78.0		67.8	71.2	72.8	74.0	67.3	71.2	72.7 74.0		66.2	71.2	72.4 74	
South 65.34 East 16	72.6	71.2	75.0 78.0		67.7	71.2	72.8	74.0	67.8	71.2	72.8 74.0		66.9	71.2	72.6 74	
South 69.3 East 17	72.5	71.2	74.9 77.9		67.5	71.2	72.7	74.0	67.7	71.2	72.8 74.0		66.7	71.2	72.5 74	
South 5.94 North 1	75.3	71.2	76.7 79.7		72.2	71.2	74.7	77.7 Excavator	72.5	71.2	74.9 77.9	Excavator	70.8	71.2	74.0 74	
South 9.9 North 2 South 13.86 North 3	78.8 80.3	71.2 71.2	79.5 82.5 80.8 83.8		73.2 73.8	71.2 71.2	75.3 75.7	78.3 Excavator 78.7 Excavator	73.7 74.1	71.2 71.2	75.6 78.6 75.9 78.9	Excavator Excavator	72.9 74.0	71.2 71.2	75.1 78 75.8 78	
South 13.86 North 3	80.4	71.2	80.9 83.9		73.8	71.2	75.7	78.9 Excavator	74.1	71.2	76.2 79.2	Excavator	74.0	71.2	75.9 78	
South 21.78 North 5	80.5	71.2	81.0 84.0	F	74.4	71.2	76.1	79.1 Excavator	74.9	71.2	76.4 79.4	Excavator	74.0	71.2	75.8 78	
South 25.74 North 6	80.6	71.2	81.1 84.1		74.1	71.2	75.9	78.9 Excavator	74.6	71.2	76.2 79.2	Excavator	73.9	71.2	75.8 78	
South 29.7 North 7	80.5	71.2	81.0 84.0	Impact Pile Driver, Excavator, Hoe Ram	74.2	71.2	76.0	79.0 Excavator	74.7	71.2	76.3 79.3	Excavator	73.8	71.2	75.7 78	.7 Hoe Ram
South 33.66 North 8	80.5	71.2	81.0 84.0		74.2	71.2	76.0	79.0 Excavator	74.7	71.2	76.3 79.3	Excavator	73.7	71.2	75.6 78	
South 37.62 North 9	69.1	71.2	73.3 74.0		64.0	71.2	72.0	74.0	64.0	71.2	72.0 74.0		59.8	71.2	71.5 74	
South 41.58 North 10	75.4	71.2	76.8 79.8		69.4	71.2	73.4	74.0	69.3	71.2	73.4 74.0		67.1	71.2	72.6 74	
South 45.54 North 11 South 49.5 North 12	78.1 78.6	71.2 71.2	78.9 81.9 79.3 82.3		71.4 72.0	71.2 71.2	74.3 74.6	77.3 Excavator 77.6 Excavator	71.5 72.1	71.2 71.2	74.4 77.4 74.7 77.7	Excavator Excavator	70.8 71.2	71.2 71.2	74.0 74 74.2 74	
South 53.46 North 13	78.4	71.2	79.2 82.2		72.0	71.2	74.8	77.8 Excavator	72.1	71.2	74.7 77.7	Excavator	71.3	71.2	74.3 77	
South 57.42 North 14	78.4	71.2	79.2 82.2		72.2	71.2	74.7	77.7 Excavator	72.2	71.2	74.7 77.7	Excavator	71.2	71.2	74.2 74	
South 61.38 North 15	78.5	71.2	79.2 82.2	Impact Pile Driver, Excavator, Hoe Ram	72.1	71.2	74.7	77.7 Excavator	72.2	71.2	74.7 77.7	Excavator	71.1	71.2	74.2 74	.0 Hoe Ram
South 65.34 North 16	78.4	71.2	79.2 82.2	Impact Pile Driver, Excavator, Hoe Ram	72.0	71.2	74.6	77.6 Excavator	72.3	71.2	74.8 77.8	Excavator	71.2	71.2	74.2 74	.0 Hoe Ram
South 69.3 North 17	78.3	71.2	79.1 82.1		72.0	71.2	74.6	77.6 Excavator	72.2	71.2	74.7 77.7	Excavator	71.1	71.2	74.2 74	
South 37.62 South 9	54.8	71.2	71.3 74.0		48.6	71.2	71.2	74.0	48.9	71.2	71.2 74.0		47.8	71.2	71.2 74	
South 41.58 South 10 South 45.54 South 11	54.8 54.9	71.2 71.2	71.3 74.0 71.3 74.0		48.5 48.8	71.2 71.2	71.2 71.2	74.0 74.0	48.8 49.0	71.2 71.2	71.2 74.0 71.2 74.0		47.4 47.6	71.2 71.2	71.2 74 71.2 74	
South 49.5 South 12	55.3	71.2	71.3 74.0		49.2	71.2	71.2	74.0	49.4	71.2	71.2 74.0		48.1	71.2	71.2 74	
South 53.46 South 13	55.5	71.2	71.3 74.0		49.3	71.2	71.2	74.0	49.4	71.2	71.2 74.0		48.5	71.2	71.2 74	
South 57.42 South 14	55.7	71.2	71.3 74.0		49.2	71.2	71.2	74.0	49.3	71.2	71.2 74.0		48.4	71.2	71.2 74	
South 61.38 South 15	55.7	71.2	71.3 74.0		49.2	71.2	71.2	74.0	49.2	71.2	71.2 74.0		48.3	71.2	71.2 74	
South 65.34 South 16	55.6	71.2	71.3 74.0		49.2	71.2	71.2	74.0	49.2	71.2	71.2 74.0		48.1	71.2	71.2 74	
South 69.3 South 17 South 1.98 West 1	55.5 71.6	71.2 82.9	71.3 74.0 83.2 83.3		49.1 70.6	71.2 82.9	71.2 83.2	74.0 83.3	49.1 71.0	71.2 82.9	71.2 74.0 83.2 83.3		48.2 67.4	71.2 82.9	71.2 74 83.1 83	
South 1.98 West 1	71.6	82.9	83.2 82.9 83.3		70.6 55.7	82.9 82.9	83.2	83.3	71.0 55.2	82.9 82.9	83.2 83.3 82.9 83.3		49.7	82.9 82.9	82.9 83	
South 5.94 West 2	76.9	82.9	83.9 83.3		72.8	82.9	83.3	83.3	72.9	82.9	83.3 83.3		71.5	82.9	83.2 83	
South 5.94 West 2	58.5	82.9	82.9 83.3		56.2	82.9	82.9	83.3	55.9	82.9	82.9 83.3		50.9	82.9	82.9 83	
South 9.9 West 3	80.1	82.9	84.8 83.3		74.1	82.9	83.5	83.3	74.2	82.9	83.5 83.3	-	74.1	82.9	83.5 83	
South 9.9 West 3	64.6	82.9	83.0 83.3		60.1	82.9	83.0	83.3	59.9	82.9	83.0 83.3		58.6	82.9	82.9 83	
South 13.86 West 4 South 13.86 West 4	80.9 65.2	82.9 82.9	85.0 83.3 83.0 83.3		74.3 60.6	82.9 82.9	83.5 83.0	83.3 83.3	74.7 60.0	82.9 82.9	83.5 83.3 83.0 83.3		74.4 59.5	82.9 82.9	83.5 83 83.0 83	
South 13.86 West 4 South 17.82 West 5		82.9 82.9	83.0 83.3 85.1 83.3		74.6	82.9 82.9	83.0 83.5	83.3	74.9	82.9 82.9	83.0 83.3 83.6 83.3		59.5 74.4	82.9 82.9	83.0 83 83.5 83	
South 17.82 West 5	65.7	82.9	83.0 83.3		60.5	82.9	83.0	83.3	60.1	82.9	83.0 83.3		59.5	82.9	83.0 83	
South 21.78 West 6	81.2	82.9	85.2 83.3		74.8	82.9	83.6	83.3	75.1	82.9	83.6 83.3		74.3	82.9	83.5 83	
South 21.78 West 6	65.7	82.9	83.0 83.3		60.6	82.9	83.0	83.3	60.5	82.9	83.0 83.3		59.4	82.9	83.0 83	.3
South 25.74 West 7		82.9	85.2 83.3		75.0	82.9	83.6	83.3	75.3	82.9	83.6 83.3		74.4	82.9	83.5 83	
South 25.74 West 7		82.9	83.0 83.3		60.6	82.9	83.0	83.3	60.5	82.9	83.0 83.3		59.3	82.9	83.0 83	
South 29.7 West 8 South 29.7 West 8		82.9 82.9	85.1 83.3 83.0 83.3		75.0 60.6	82.9 82.9	83.6 83.0	83.3 83.3	75.2 60.5	82.9 82.9	83.6 83.3 83.0 83.3		74.3 59.3	82.9 82.9	83.5 83 83.0 83	
South 33.66 West 9		82.9	85.2 83.3		74.9	82.9	83.6	83.3	75.2	82.9	83.6 83.3		74.3	82.9	83.5 83	
South 33.66 West 9		82.9	83.0 83.3		60.9	82.9	83.0	83.3	60.5	82.9	83.0 83.3		59.2	82.9	83.0 83	
South 37.62 West 11	63.0	71.2	71.8 74.0		59.6	71.2	71.5	74.0	58.8	71.2	71.4 74.0		52.6	71.2	71.3 74	
South 41.58 West 12		71.2	73.4 74.0		64.9	71.2	72.1	74.0	64.3	71.2	72.0 74.0		59.1	71.2	71.5 74	
South 45.54 West 13		71.2		Impact Pile Driver, Concrete Saw, Excavators	67.3	71.2	72.7	74.0	67.2	71.2	72.7 74.0		65.0	71.2	72.1 74	
South 49.5 West 14		71.2	76.6 79.6		67.8	71.2	72.8	74.0	67.7	71.2	72.8 74.0		67.4	71.2	72.7 74	
South 53.46 West 15		71.2		Impact Pile Driver, Hoe Ram, Concrete Saw Impact Pile Driver, Hoe Ram, Concrete Saw	67.9 68.1	71.2	72.9	74.0 74.0	67.8 68.1	71.2	72.8 74.0 72.9 74.0		67.3 67.2	71.2	72.7 74 72.7 74	
South 57.42 West 16 South 61.38 West 17		71.2 71.2		Impact Pile Driver, Hoe Ram, Concrete Saw Impact Pile Driver, Hoe Ram, Concrete Saw	68.2	71.2 71.2	72.9 73.0	74.0	68.2	71.2 71.2	72.9 74.0 73.0 74.0		67.3	71.2 71.2	72.7 74	
South 65.34 West 17		71.2		Impact Pile Driver, Hoe Ram, Concrete Saw	68.1	71.2	72.9	74.0	68.0	71.2	72.9 74.0		67.1	71.2		.0
South 69.3 West 19		71.2		Impact Pile Driver, Hoe Ram, Concrete Saw	67.8	71.2	72.8	74.0	67.7	71.2	72.8 74.0		66.7	71.2	72.5 74	
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Significant Impact