Attachment 1: Noise Report

Legend	
	Sound Level within FHWA NAC per Category (B-67)
	5 Decibel Reduction Achieved

Receiver	NAC	Receptors	Original Build Design Results (dBA)	Preferred Alternative Design Results (dBA)	Preferred Alternative Design with Noise Barrier (dBA)	Reduction
V001	B	1	63.1	61.1	60.4	0.7
V002	B	1	65.1	63.2	62.6	0.6
V003	B	1	63.5	61.4	60.7	0.7
V004	B	1	56.2	53.7	50.9	2.8
V005	B	1	57.9	56.6	53.6	3
V006	B	1	56.7	54.5	51.1	3.4
V007	B	1	58.4	57.5	53.5	4
V008	B	1	56.5	54.2	51.2	3
V009	B	1	58.2	57.1	53.5	3.6
V010	B	1	56.1	53.7	50.2	3.5
V011	B	1	57.7	56.5	53.1	3.4
V012	B	1	67	63	61	2
V013	B	1	68.4	66	63	3
V014	B	1	67.5	63.3	60.7	2.6
V015	B	1	69.3	66.4	62.7	3.7
V016	B	1	60.7	59.1	52.2	6.9
V017	B	1	61.6	59.8	55	4.8
V018	B	1	58.5	55.8	51.2	4.6
V019	B	1	60.9	58.8	55.5	3.3
V020	B	1	64.6	63.1	57.9	5.2
V021	B	1	62.3	58.1	56.5	1.6
V022	B	1	65.1	62.2	60.4	1.8
V023	B	1	61.9	57.8	56.4	1.4
V024	B	1	64.8	61.9	60.4	1.5
V025	B	1	62.1	58	56.6	1.4
V026	B	1	65.6	62.7	60.5	2.2
V027	B	1	62.7	58.1	56.6	1.5
V028	B	1	64.6	61.6	60.3	1.3
V029	B	1	59.8	57.1	55.3	1.8
V030	E	1	69.5	66.8	66.5	0.3
V031	B	1	61.4	59.2	57.4	1.8
V032	B	1	65.9	63.4	62.8	0.6
V033	B	1	67.5	65.3	64.5	0.8
V034	B	1	61.7	58.8	57	1.8
V035	B	1	63.5	60.8	59.2	1.6
V036	B	1	64.5	61.9	60.3	1.6

Project Name: Caroline Crossroads – Phase 3 (CCR 3)
County: Richland and Lexington Counties

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Receiver	NAC	Receptors	Original Build Design Results (dBA)	Preferred Alternative Design Results (dBA)	Preferred Alternative Design with Noise Barrier (dBA)	Reduction
V037	B	1	67.4	63.9	62.4	1.5
V038	B	1	65.6	63.2	61.8	1.4
V039	B	1	70.9	67.4	67	0.4
V040	B	1	69.5	66.2	64.9	1.3
V041	B	1	64.9	61.9	60.5	1.4
V042	B	1	72.5	69.7	69.4	0.3
V043	B	1	68	64.5	63.5	1
V044	B	1	72.3	68.2	67.6	0.6
V045	B	1	73.7	70.5	70	0.5
V046	B	1	65.4	63.2	62.5	0.7
V047	B	1	70.2	68.2	67.5	0.7
V048	B	1	70.5	68.4	67.7	0.7
V049	B	1	63.9	62.3	60.5	1.8
V050	B	1	64.2	62.5	60.7	1.8
V051	B	1	69.5	67.4	64.2	3.2
V052	B	1	69.7	67.6	64.1	3.5
V053	B	1	66.4	64.8	64	0.8
V054	B	1	66.4	64.8	63.9	0.9
V055	B	1	60.7	59.8	57.4	2.4
V056	B	1	61	60.3	57.6	2.7
V057	B	1	61	60.1	57.2	2.9
V058	B	1	59.6	58.2	55.9	2.3
V059	B	1	65.8	64.1	62.5	1.6
V060	B	1	66.1	64.3	62.5	1.8
V061	B	1	66.4	64.6	62.6	2
V062	B	1	67.6	65.8	62.8	3