



# I-95/SCUDDER FALLS BRIDGE IMPROVEMENT PROJECT

## NOISE LEVELS - EXISTING & PREDICTED

Noise Study Area (NSA)	Site I.D.	Address	Modeled Hourly $L_{eq}$ Noise Levels in dBA						
			Maximum of AM and PM Values <sup>1</sup>						
			Existing <sup>2</sup>	Future No-Build <sup>2</sup>		Future Build <sup>3</sup>			
				Noise Level	Increase Over Existing <sup>4</sup>	Noise Level	Increase Over Existing <sup>4</sup>	Increase Over No-Build <sup>4</sup>	
Pennsylvania	1	R1-1	949 Mirror Lake Road	57	57	0	57	0	0
		R1-2	1700 Newtown Yardley Road	58	58	0	60	2	2
	2	R2-1	Newtown Yardley and Stoney Hill Roads (Hampton Inn)	66	66	0	67	1	1
		R2-2	1878 Newtown Yardley Road (Breezyvale Farm)	56	57	1	57	1	0
		R2-3	1100 or 1101 Surrey Lane	50	51	1	51	1	0
	3	R3-1	1710 Clydesdale Circle	70	70	0	73	3	3
		R3-2	1225 Shetland Court	64	64	0	67	3	3
		R3-3A	1673 Quarry Road (Playground)	57	57	0	59	2	2
		R3-3	1673 Quarry Road (Ballfield)	55	55	0	57	2	2
		R3-4	1728 Clydesdale Circle	63	63	0	66	3	3
		R3-5	1702 Clydesdale Circle	68	68	0	72	4	4
		R3-6	1209 Shetland Court	64	64	0	66	2	2
		R3-7	1217 Shetland Court	66	66	0	68	2	2
	4	R3-8	1686 Clydesdale Circle	58	59	1	61	3	2
		R4-1	1162 Ascot Court	61	62	1	64	3	2
		R4-2	1720 Jockeys Way	60	60	0	61	1	1
		R4-3	1759 Jockeys Way	67	68	1	69	2	1
		R4-4	1878 Patterson Lane	67	69	2	70	2	1
		R4-5	1791 Jockeys Way	58	59	1	61	3	2
		R4-6	1775 Jockeys Way	64	65	1	67	3	2
		R4-7	1727 Jockeys Way	61	63	2	65	4	2
	5	R4-8	1298 Colts Lane	56	56	0	57	1	1
		R5-1	1746 Quarry Road	56	57	1	57	1	1
		R5-2	1373 Brentwood Drive	55	56	1	58	3	2
		R5-3	1379 Brentwood Drive	56	57	1	59	3	2
		R5-4	1423 Wheatsheaf Road	54	55	1	57	3	2
		R5-5	1748 Quarry Road	51	52	1	54	3	2
		R5-6	1383 Brentwood Road	53	54	1	56	3	2
R5-7		1367 Brentwood Road	48	49	1	51	3	2	
	R5-8	1361 Brentwood Road	47	48	1	50	3	2	

**NOTES:**

dBA = Decibels on the A-weighted scale

$L_{eq}$  = Equivalent noise level

1. Values represent the highest of the modeled values from AM and PM peak hour traffic periods assuming free flow traffic speeds.

All noise levels are calculated to the tenth of a dBA and rounded for presentation purposes to the nearest whole number.

2. Modeled noise levels assuming no modification of project area roadways

3. Modeled noise levels based on proposed modification of project area roadways

4. All "Increase Over Existing" and "Increase Over No-Build" numbers represent the difference between the rounded whole numbers

Shaded values indicate Build noise levels equal to or exceeding land use category B (residential) Noise Abatement Criteria levels