Appendix G
Noise

		Existing Conditions							2036 No Action					2036 With Action				
Site	Period	VHB Traffic Existing Volume	% Cars	% Bus	% LT	% HT	% MC	Existing PCE's	Volume	PCE's	Leq	L10	NB-EX Delta	Volume	PCE's	Leq	L10	BD-NB Delta
S1	AM	590	90%	2%	7%	1%	1%	1406	755	1793	71.5	73.2	1.1	821	1952	71.8	73.5	0.3
	Midday	560	94%	0%	4%	2%	0%	1324	677	1598	71.7	74.2	0.9	724	1711	71.9	74.4	0.2
	PM	650	98%	0%	1%	1%	0%	1060	804	1311	70.1	70.9	0.9	843	1374	70.3	71.1	0.2
S2	AM	440	87%	2%	8%	2%	1%	1364	526	1621	72.4	74.6	0.8	553	1707	72.6	74.8	0.2
	Midday	295	87%	2%	6%	2%	2%	961	339	1085	71.7	72.7	0.5	360	1153	72.0	73.0	0.3
	PM	425	92%	2%	5%	0%	1%	855	496	994	69.8	71.9	0.7	530	1064	70.1	72.2	0.3
S3	AM	1470	75%	17%	6%	2%	1%	7997	1603	8702	75.4	78.2	0.4	1671	9073	75.5	78.3	0.1
	Midday	1475	89%	7%	4%	1%	0%	4153	1685	4740	73.9	76.6	0.6	1739	4893	74.0	76.7	0.1
	PM	1550	85%	10%	4%	0%	1%	4913	1823	5771	74.3	77.4	0.7	1893	5995	74.5	77.6	0.2
S4	AM	1290	71%	22%	5%	1%	0%	7677	1541	9163	76.0	79.0	0.8	1607	9559	76.2	79.2	0.2
	Midday	1420	85%	10%	4%	0%	0%	4761	1703	5705	73.9	76.6	0.8	1749	5862	74.0	76.7	0.1
	PM	1340	83%	16%	0%	0%	1%	5103	1647	6269	74.8	77.6	0.9	1702	6479	75.0	77.8	0.2
S5	AM	3205	86%	7%	3%	3%	1%	13163	3985	16320	76.6	79.9	0.9	4100	16793	76.8	80.1	0.2
	Midday	3110	91%	2%	3%	4%	0%	10543	3606	12225	81.5	78.6	0.6	3698	12536	81.7	78.8	0.2
	PM	3600	93%	4%	1%	2%	0%	10397	4294	12392	75.6	76.5	0.8	4528	13068	75.8	76.7	0.2
S6	AM	2065	86%	4%	4%	5%	1%	9389	2264	10264	77.8	79.4	0.4	2439	11059	78.1	79.7	0.3
	Midday	1815	88%	3%	4%	5%	0%	7967	1998	8758	75.2	77.4	0.4	2096	9190	75.4	77.6	0.2
	PM	2055	91%	5%	2%	2%	0%	6057	2248	6618	75.6	78.1	0.4	2363	6957	75.8	78.3	0.2
S7	AM	1875	89%	5%	3%	2%	0%	5771	2143	6587	74.4	76.9	0.5	2288	7034	74.7	77.2	0.3
	Midday	1580	92%	2%	4%	1%	0%	3999	1689	4266	74.3	76.7	0.3	1783	4505	74.5	76.9	0.2
	PM	1760	90%	7%	2%	0%	0%	4574	1888	4903	76.0	78.4	0.3	2005	5208	76.3	78.7	0.3
S8	AM	1650	95%	2%	2%	2%	0%	3696	1723	3858	72.2	74.2	0.2	1778	3982	72.4	74.4	0.2
	Midday	1585	96%	0%	2%	2%	0%	3454	1650	3592	72.2	74.7	0.2	1692	3684	72.3	74.8	0.1
	PM	1600	97%	2%	0%	0%	1%	2205	1708	2352	71.4	73.9	0.2	1759	2423	71.6	74.1	0.2
S9	AM	1835	87%	7%	5%	1%	0%	6044	1974	6502	75.1	74.8	0.3	2098	6910	75.4	75.1	0.3
	Midday	1650	89%	0%	8%	3%	0%	5293	1788	5717	69.9	72.9	0.4	1904	6092	70.2	73.2	0.3
	PM	1825	89%	3%	5%	3%	0%	6143	1979	6654	72.1	74.2	0.4	2094	7042	72.3	74.4	0.2
S10	AM	1460	77%	13%	8%	2%	0%	7424	1553	7892	72.8	75.8	0.3	1573	7998	72.8	75.8	0.0
	Midday	1340	86%	6%	7%	1%	0%	4616	1464	5040	73.5	75.9	0.4	1484	5112	73.6	76.0	0.1
	PM	1510	82%	13%	3%	2%	1%	6569	1641	7118	80.0	80.4	0.3	1666	7226	80.1	80.5	0.1
S11	AM	1680	87%	2%	6%	4%	0%	6769	1946	7829	76.2	78.9	0.6	2030	8170	76.4	79.1	0.2
	Midday	1540	90%	2%	6%	1%	1%	4163	1713	4609	75.0	76.7	0.4	1773	4773	75.2	76.9	0.2
	PM	1585	92%	4%	4%	0%	0%	3643	1888	4337	74.9	77.9	0.8	1978	4546	75.1	78.1	0.2
S12	AM	1470	78%	12%	6%	3%	1%	7683	1701	8871	74.7	77.3	0.7	1839	9595	75.0	77.6	0.3
	Midday	1470	89%	6%	3%	1%	1%	4437	1692	5098	78.1	80.0	0.6	1758	5299	78.2	80.1	0.1
	PM	1545	80%	16%	3%	0%	1%	6306	1906	7775	77.4	80.0	0.9	1972	8046	77.5	80.1	0.1

PCE BASED NOISE LEVEL CALCULATIONS FOR BUILD YEAR 2036

Site	Period	Existing Conditions			No Action 2036			With Action 2036			CEQR Criteria	Required Building Attenuation
		Leq	L10	Category	Leq	L10	Category	Leq	L10	Category		
S1	AM	70.4	72.1	Marginally Unacceptable	71.5	73.2	Marginally Unacceptable	71.8	73.5	Marginally Unacceptable	45	31
	Midday	70.8	73.3		71.7	74.2		71.9	74.4			
	PM	69.2	70		70.1	70.9		70.3	71.1			
S2	AM	71.6	73.8	Marginally Unacceptable	72.4	74.6	Marginally Unacceptable	72.6	74.8	Marginally Unacceptable	45	31
	Midday	71.2	72.2		71.7	72.7		72.0	73.0			
	PM	69.1	71.2		69.8	71.9		70.1	72.2			
S3	AM	75	77.8	Marginally Unacceptable	75.4	78.2	Marginally Unacceptable	75.5	78.3	Marginally Unacceptable	45	35
	Midday	73.3	76		73.9	76.6		74.0	76.7			
	PM	73.6	76.7		74.3	77.4		74.5	77.6			
S4	AM	75.2	78.2	Marginally Unacceptable	76.0	79.0	Marginally Unacceptable	76.2	79.2	Marginally Unacceptable	45	35
	Midday	73.1	75.8		73.9	76.6		74.0	76.7			
	PM	73.9	76.7		74.8	77.6		75.0	77.8			
S5	AM	75.7	79	Marginally Unacceptable	76.6	79.9	Marginally Unacceptable	76.8	80.1	Clearly Unacceptable	45	36
	Midday	80.9	78		81.5	78.6		81.7	78.8			
	PM	74.8	75.7		75.6	76.5		75.8	76.7			
S6	AM	77.4	79	Marginally Unacceptable	77.8	79.4	Marginally Unacceptable	78.1	79.7	Marginally Unacceptable	45	35
	Midday	74.8	77		75.2	77.4		75.4	77.6			
	PM	75.2	77.7		75.6	78.1		75.8	78.3			
S7	AM	73.9	76.4	Marginally Unacceptable	74.4	76.9	Marginally Unacceptable	74.7	77.2	Marginally Unacceptable	45	35
	Midday	74	76.4		74.3	76.7		74.5	76.9			
	PM	75.7	78.1		76.0	78.4		76.3	78.7			
S8	AM	72	74	Marginally Unacceptable	72.2	74.2	Marginally Unacceptable	72.4	74.4	Marginally Unacceptable	45	31
	Midday	72	74.5		72.2	74.7		72.3	74.8			
	PM	71.2	73.7		71.4	73.9		71.6	74.1			
S9	AM	74.8	74.5	Marginally Unacceptable	75.1	74.8	Marginally Unacceptable	75.4	75.1	Marginally Unacceptable	45	31
	Midday	69.5	72.5		69.9	72.9		70.2	73.2			
	PM	71.7	73.8		72.1	74.2		72.3	74.4			
S10	AM	72.5	75.5	Clearly Unacceptable	72.8	75.8	Clearly Unacceptable	72.8	75.8	Clearly Unacceptable	45	36
	Midday	73.1	75.5		73.5	75.9		73.6	76.0			
	PM	79.7	80.1		80.0	80.4		80.1	80.5			
S11	AM	75.6	78.3	Marginally Unacceptable	76.2	78.9	Marginally Unacceptable	76.4	79.1	Marginally Unacceptable	45	35
	Midday	74.6	76.3		75.0	76.7		75.2	76.9			
	PM	74.1	77.1		74.9	77.9		75.1	78.1			
S12	AM	74	76.6	Marginally Unacceptable	74.7	77.3	Marginally Unacceptable	75.0	77.6	Clearly Unacceptable	45	36
	Midday	77.5	79.4		78.1	80.0		78.2	80.1			
	PM	76.5	79.1		77.4	80.0		77.5	80.1			

CEQR EXTERIOR NOISE EXPOSURE ASSESSMENT