

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2016CTS-3(815100)MAIN MODEL RUN-V84 SCII PRAC NET MED Fleet Budget Toll New Bus

		Hour Start / 2-way Hourly Traffic Volume (veh.) or Speed (km/hr)																					Model Output		
Stn.		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	AM		PM		OP			
1003	LV	6,514	9,283	9,898	7,653	7,173	7,075	5,335	6,479	7,300	8,246	8,016	8,934	8,023	6,820	5,798	4,929	6,705	8,125	7,050					
	HV	1,284	1,631	2,456	2,910	2,890	2,850	2,334	2,646	2,596	2,699	2,373	1,407	935	598	382	244	1,795	2,203	1,859					
	SPD	65.0	65.0	65.0	74.0	74.0	74.0	74.0	74.0	74.0	69.0	69.0	69.0	69.0	69.0	74.0	74.0	65	69	74					
	total	7897	10914	12355	10563	10063	9924	7669	9125	9896	10945	10389	10341	8957	7418	6180	5174								
	% HV	16	15	20	28	29	29	30	29	26	25	23	14	10	8	6	5								
	BNL	81	83	83	82	82	82	81	82	82	83	82	82	82	81	80	79								
	% HV	2	2	3	4	5	5	5	4	4	4	2	2	2	2	1	1								
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0								
	Distance	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20								
	Surface	p	p	p	p	p	p	p	p	p	p	p	p	p	p	p	p								
1004	LV	2,638	2,948	2,491	2,524	2,393	2,453	2,033	2,393	2,379	2,538	2,815	2,848	3,005	2,799	2,607	2,429	2,683	2,740	2,544					
	HV	1,459	1,900	2,065	2,343	2,203	2,066	2,096	2,213	2,292	2,031	1,589	1,274	1,051	988	930	874	1,913	1,492	1,714					
	SPD	28.0	28.0	28.0	32.0	32.0	32.0	32.0	32.0	32.0	33.5	33.5	33.5	33.5	33.5	32.0	32.0	28	34	32					
	total	4107	4848	4556	4867	4596	4518	4130	4606	4671	4567	4404	4121	4056	3787	3537	3303								
	% HV	36	39	45	48	48	46	51	48	49	44	36	31	26	28	26	26								
	BNL	78	79	79	79	79	79	79	79	79	79	79	79	79	78	78	77								
	% HV	4	4	5	5	5	4	5	5	5	4	3	3	2	2	2	2								
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0								
	Distance	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20								
	Surface	i	i	i	i	i	i	i	i	i	i	i	i	i	i	i	i								
1017	LV	1,701	2,174	1,678	1,559	1,479	1,515	1,256	1,479	1,470	1,523	1,531	1,658	1,857	1,730	1,611	1,501	1,979	1,491	1,572					
	HV	900	1,163	1,264	1,435	1,349	1,265	1,284	1,355	1,404	1,245	978	782	643	605	569	535	1,171	919	1,050					
	SPD	32.0	32.0	32.0	33.8	33.8	33.8	33.8	33.8	33.8	35.8	35.8	35.8	35.8	35.8	33.8	33.8	32	36	34					
	total	2601	3337	2942	2994	2828	2780	2540	2834	2873	2767	2510	2440	2500	2335	2180	2036								
	% HV	35	35	43	48	48	45	51	48	49	45	39	32	26	28	26	26								
	BNL	76	77	77	77	77	77	76	77	77	77	76	76	76	76	75	75								
	% HV	3	3	4	5	5	4	5	5	5	4	4	3	2	2	2	2								
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0								
	Distance	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8								
	Surface	i	i	i	i	i	i	i	i	i	i	i	i	i	i	i	i								
1219	LV	937	1,498	1,599	1,245	1,191	1,386	1,244	1,354	1,457	1,464	1,601	1,768	1,937	1,457	1,096	824	1,416	1,603	1,340					
	HV	780	1,197	1,261	1,186	1,304	1,174	1,258	1,141	1,192	1,234	1,293	1,057	982	680	471	327	1,174	1,243	985					
	SPD	36.7	36.7	36.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	34.8	34.8	34.8	34.8	38.7	38.7	37	35	39					
	total	1718	2695	2860	2431	2495	2540	2503	2495	2649	2699	2894	2825	2918	2137	1557	1151								
	% HV	45	44	44	49	52	46	50	46	45	46	45	37	34	32	30	28								
	BNL	75	77	77	76	76	76	76	76	76	77	77	77	77	75	74	73								
	% HV	4	4	4	5	5	4	5	4	4	4	4	3	3	3	3	3								
	Gradient	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3								
	Distance	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5								
	Surface	i	i	i	i	i	i	i	i	i	i	i	i	i	i	i	i								
1404	LV	4,314	6,487	6,596	4,892	4,586	4,523	3,411	4,142	4,667	5,343	5,419	5,869	5,129	4,360	3,707	3,151	6,083	5,493	4,507					
	HV	1,048	1,402	2,040	2,336	2,320	2,287	1,873	2,123	2,084	2,240	2,142	1,204	750	480	307	196	1,543	1,989	1,492					
	SPD	78.0	78.0	78.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	78.0	78.0	78.0	82.0	82.0	82.0	78	78	82					
	total	5362	7889	8636	7228	6905	6810	5284	6266	6751	7582	7561	7073	5879	4840	4014	3347								
	% HV	20	18	24	32	34	34	35	34	31	30	28	17	13	10	8	6								
	BNL	79	81	82	81	81	81	79	80	80	81	81	81	81	80	79	78								
	% HV	4	4	4	5	5	5	5	5	5	5	5	4	3	3	2	2								
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0								
	Distance	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10								
	Surface	p	p	p	p	p	p	p	p	p	p	p	p	p	p	p	p								
1422	LV	1,707	2,698	2,653	1,908	1,787	1,762	1,329	1,514	1,818	2,083	2,118	2,290	1,998	1,699	1,444	1,228	2,530	2,147	1,756					
	HV	431	632	667	930	924	911	746	845	830	951	1,044	539	299	191	122	78	696	969	594					
	SPD	84.5	84.5	84.5	69.0	69.0	69.0	69.0	69.0	69.0	64.5	64.5	64.5	64.5	69.0	69.0	69.0	65	65	69					
	total	2139	3331	3520	2838	2710	2673	2074	2459	2648	3034	3162	2829	2297	1890	1566	1306								
	% HV	20	19	25	33	34	34	36	34	31	31	33	19	13	10	8	6								
	BNL	76	77	78	77	77	76	75	76	76	77	77	77	76	75	74	73								
	% HV	3	3	3	5	5	5	5	5	5	5	4	3	2	2	2	2								
	Gradient	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6								
	Distance	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12								
	Surface	i	i	i	i	i	i	i	i	i	i	i	i	i	i	i	i								

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		Hour Start / 2-way Hourly Traffic Volume (veh.) or Speed (km/hr)																					Model Output		
Stn.		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	AM		PM		OP			
1805	LV	7,558	10,023	11,122	8,879	8,323	8,209	6,190	7,518	8,470	9,525	9,124	10,272	9,309	7,914	6,728	5,720	9,399	9,248	8,180	2,059	2,549	2,284		
	HV	1,541	1,871	2,907	3,544	3,520	3,471	2,842	3,222	3,162	3,242	2,745	1,668	1,138	726	485	298	69	69	70	72	69	72		
	SPD	69.0	69.0	69.0	72.0	72.0	72.0	72.0	72.0	72.0	70.0	70.0	70.0	70.0	70.0	72.0	72.0	69.0	69.0	69.0	69.0	69.0	69.0		
	total	9099	11894	14029	12423	11843	11679	9032	10740	11632	12767	11869	11940	10447	8841	7193	6017	9399	9248	8180	2059	2549	2284		
	% HV	17	16	21	29	30	30	31	30	27	25	23	14	11	8	6	5	69	69	70	72	69	72		
	BNL	82	83	84	83	83	83	82	83	83	83	83	83	83	82	81	80	82	82	81	80	82	81		
	% HV	3	3	3	4	5	5	5	5	4	4	4	2	2	2	1	1	3	3	3	3	3	3		
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	Distance	43	Distance	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5		
	Surface	p	Surface	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5		
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5		
	Facade Noise Levels dB(A)	77.7	78.7	80.1	80.7	80.8	80.5	79.6	80.2	80.3	80.3	79.8	78.6	77.5	76.4	75.2	74.1	79.2	79.2	78.2	78.2	78.2	78.2		
	HKPSG Exceedances	7.7	8.7	10.1	10.7	10.6	10.5	9.6	10.2	10.3	10.3	9.8	8.6	7.5	6.4	5.2	4.1	16	16	16	16	16	16		
		16 = number of hours exceeded 70 dB(A)																							
1810	LV	853	1,172	1,268	992	930	917	682	840	946	1,070	1,042	1,160	1,040	884	752	639	1,099	1,056	914	151	183	152		
	HV	106	137	204	238	236	233	191	216	212	222	197	116	78	49	31	20	69	69	69	69	69	69		
	SPD	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0		
	total	958	1309	1472	1230	1166	1150	882	1056	1159	1291	1239	1276	1117	933	783	659	1099	1056	914	151	183	152		
	% HV	11	10	14	19	20	20	22	20	18	17	16	9	7	5	4	3	69	69	69	69	69	69		
	BNL	72	73	74	73	73	73	72	73	73	73	73	73	73	72	71	70	72	72	71	70	72	71		
	% HV	2	2	2	3	3	3	3	3	3	3	3	2	1	1	0	0	3	3	3	3	3	3		
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	Distance	43	Distance	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5		
	Surface	p	Surface	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5		
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5		
	Facade Noise Levels dB(A)	67.0	68.3	69.4	69.4	69.3	69.2	68.2	68.9	69.0	69.3	68.9	67.9	66.9	65.8	64.7	63.7	68.2	68.2	67.2	68.2	68.2	68.2		
	HKPSG Exceedances	-3.0	-1.7	-0.6	-0.6	-0.7	-0.8	-1.8	-1.1	-1.0	-0.7	-1.1	-2.1	-3.1	-4.2	-5.3	-6.3	16	16	16	16	16	16		
		0 = number of hours exceeded 70 dB(A)																							
1811	LV	2,300	3,128	2,420	1,801	1,559	1,557	1,669	1,717	1,994	1,862	1,997	2,639	2,771	2,166	1,694	1,325	2,894	1,984	1,969	1,355	918	1,098		
	HV	1,200	1,399	1,351	1,271	1,341	1,303	1,274	1,295	1,367	1,326	1,326	926	1,038	993	719	521	1,355	918	1,098	34	40	39		
	SPD	33.5	33.5	33.5	39.0	39.0	39.0	39.0	39.0	39.0	40.0	40.0	40.0	40.0	39.0	39.0	39.0	34	40	39	34	40	39		
	total	3500	4527	3771	3071	3000	2960	2943	3013	3361	3188	2923	3677	3763	2886	2215	1702	2,894	1,984	1,969	1,355	918	1,098		
	% HV	34	31	36	41	45	44	43	43	41	42	42	28	28	25	24	22	34	40	39	34	40	39		
	BNL	78	79	78	77	77	77	77	77	77	77	77	78	78	77	76	75	78	78	77	76	75	74		
	% HV	3	3	3	4	4	4	4	4	4	4	4	3	3	2	2	2	3	3	3	3	3	3		
	Gradient	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3		
	Distance	10	Distance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0		
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5		
	Facade Noise Levels dB(A)	82.8	83.6	83.3	82.9	83.1	83.0	82.9	83.0	83.3	83.1	81.8	82.4	82.3	80.9	79.6	78.2	82.5	82.5	81.5	81.5	81.5	81.5		
	HKPSG Exceedances	12.8	13.6	13.3	12.9	13.1	13.0	12.9	13.0	13.3	13.1	11.8	12.4	12.3	10.9	9.6	8.2	16	16	16	16	16	16		
		16 = number of hours exceeded 70 dB(A)																							
1820	LV	747	1,367	1,333	949	907	1,040	948	1,031	1,110	1,076	1,040	1,251	1,475	1,110	835	628	1,292	1,042	1,021	781	599	637		
	HV	509	797	828	757	843	760	814	738	771	744	623	593	635	440	305	211	781	599	637	34	37	27		
	SPD	34.0	34.0	34.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	36.5	36.5	36.5	27.0	27.0	34	37	27	34	37	27		
	total	1255	2163	2160	1716	1751	1800	1762	1769	1881	1820	1663	1843	2110	1550	1140	839	1,292	1,042	1,021	781	599	637		
	% HV	41	37	38	45	48	42	46	42	41	41	37	32	30	28	27	25	34	37	27	34	37	27		
	BNL	73	76	75	75	75	75	75	75	75	75	74	75	75	74	73	71	73	73	72	71	70	69		
	% HV	4	4	4	5	5	4	5	4	4	4	4	3	3	3	3	2	4	4	3	3	3	3		
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	Distance	5	Distance	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0		
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5		
	Facade Noise Levels dB(A)	80.1	82.1	82.2	82.2	82.8	82.2	82.4	82.0	82.2	81.7	81.0	80.9	81.3	80.0	78.5	76.9	81.4	81.4	80.4	80.4	80.4	80.4		
	HKPSG Exceedances	10.1	12.1	12.2	12.2	12.6	12.2	12.4	12.0	12.2	11.7	11.0	10.9	11.3	10.0	8.5	6.9	16	16	16	16	16	16		
		16 = number of hours exceeded 70 dB(A)																							
1834	LV	3,330	4,027	3,225	3,110	2,949	3,022	2,506	2,949	2,931	3,083	3,269	3,411	3,703	3,449	3,213	2,993	3,665	3,182	3,135	2,109	1,505	1,892		
	HV	1,621	2,085	2,277	2,587	2,432	2,280	2,314	2,443	2,530	2,199	1,803	1,351	1,160	1,091	1,026	965	2,109	1,505	1,892	36	41	40		
	SPD	36.0	36.0	36.0	39.5	39.5	39.5	39.5	39.5	39.5	40.5	40.5	40.5	40.5	40.5	39.5	39.5	36	41	40	36	41	40		
	total	4951	6122	5502	5696	5381	5302	4820	5392	5461	5282	4872	4762	4863	4540	4239	3958								

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Stn.		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	AM	PM	OP		
2002	LV	2,784	3,433	2,732	2,189	2,031	2,380	2,341	2,314	2,362	2,584	3,262	3,483	3,275	3,400	3,530	3,665	3,274	3,306	2,740		
	HV	871	1,128	1,451	1,584	1,559	1,512	1,549	1,439	1,427	1,225	1,010	1,000	887	702	555	439	1,173	992	1,164		
	SPD	35.0	35.0	35.0	37.5	37.5	37.5	37.5	37.5	37.5	37.0	37.0	37.0	37.0	37.5	37.5	37.5	35	37	38		
	total	3656	4561	4182	3773	3590	3892	3889	3753	3789	3809	4273	4484	4163	4102	4085	4104					
	% HV	24	25	35	42	43	39	40	38	38	32	24	22	21	17	14	11					
	BNL	78	79	78	78	78	78	78	78	78	78	79	79	78	78	78	78					
	% HV	2	2	3	4	4	4	4	4	4	3	2	2	2	1	0	0					
	Gradient	3	Gradient	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
	Distance	21	Distance	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3					
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0					
Angle	160 angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr					
Facade Noise Levels dB(A)		79.1	80.2	81.0	81.3	81.2	81.1	81.2	80.9	80.9	80.4	79.8	79.8	79.4	78.6	77.9	77.3	80.2				
HKPSG Exceedances		9.1	10.2	11.0	11.3	11.2	11.1	11.2	10.9	10.9	10.4	9.8	9.8	9.4	8.6	7.9	7.3					
		16	# number of hours exceeded 70 dB(A)																			
2003	LV	1,288	1,389	1,194	1,042	967	1,133	1,114	1,101	1,124	1,155	1,203	1,462	1,559	1,618	1,580	1,744	1,325	1,219	1,304		
	HV	307	365	498	573	564	547	560	520	518	440	355	357	321	254	201	159	380	349	421		
	SPD	39.5	39.5	39.5	39.0	39.0	39.0	39.0	39.0	39.0	42.5	42.5	42.5	42.5	42.5	39.0	39.0	40	43	39		
	total	1575	1755	1691	1615	1530	1679	1674	1622	1640	1595	1558	1819	1880	1872	1881	1903					
	% HV	20	21	29	35	37	33	33	32	31	28	23	20	17	14	11	8					
	BNL	74	75	74	74	74	74	74	74	74	74	74	75	75	75	75	75					
	% HV	7	7	3	3	4	3	3	3	3	3	2	2	1	0	0	-1					
	Gradient	0	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
	Distance	21	Distance	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3					
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0					
Angle	160 angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr					
Facade Noise Levels dB(A)		74.0	74.7	75.7	76.1	76.0	76.0	76.0	75.8	75.7	75.3	74.5	74.8	74.5	73.7	73.1	72.5	75.0				
HKPSG Exceedances		4.0	4.7	5.7	6.1	6.0	6.0	6.0	5.8	5.7	5.3	4.5	4.8	4.5	3.7	3.1	2.5					
		16	# number of hours exceeded 70 dB(A)																			
2004	LV	2,784	3,433	2,732	2,189	2,031	2,380	2,341	2,314	2,362	2,584	3,262	3,483	3,275	3,400	3,530	3,665	3,274	3,306	2,740		
	HV	871	1,128	1,451	1,584	1,559	1,512	1,549	1,439	1,427	1,225	1,010	1,000	887	702	555	439	1,173	992	1,164		
	SPD	35.0	35.0	35.0	37.5	37.5	37.5	37.5	37.5	37.5	37.0	37.0	37.0	37.0	37.5	37.5	37.5	35	37	38		
	total	3656	4561	4182	3773	3590	3892	3889	3753	3789	3809	4273	4484	4163	4102	4085	4104					
	% HV	24	25	35	42	43	39	40	38	38	32	24	22	21	17	14	11					
	BNL	78	79	78	78	78	78	78	78	78	78	79	79	78	78	78	78					
	% HV	2	2	3	4	4	4	4	4	4	3	2	2	2	1	0	0					
	Gradient	0	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
	Distance	21	Distance	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3					
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0					
Angle	160 angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr					
Facade Noise Levels dB(A)		78.2	79.3	80.1	80.4	80.3	80.2	80.3	80.0	80.0	79.5	78.9	78.9	78.5	77.7	77.0	76.4	79.3				
HKPSG Exceedances		8.2	9.3	10.1	10.4	10.3	10.2	10.3	10.0	10.0	9.5	8.9	8.9	8.5	7.7	7.0	6.4					
		16	# number of hours exceeded 70 dB(A)																			
2006	LV	2,638	2,948	2,491	2,524	2,393	2,453	2,033	2,393	2,379	2,536	2,815	2,848	3,005	2,799	2,607	2,429	2,683	2,740	2,544		
	HV	1,469	1,900	2,065	2,343	2,203	2,066	2,096	2,213	2,292	2,031	1,589	1,274	1,051	988	930	874	1,913	1,492	1,714		
	SPD	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20	20	20		
	total	4107	4848	4556	4867	4596	4518	4130	4606	4671	4567	4404	4121	4056	3787	3537	3303					
	% HV	36	39	45	48	48	46	51	48	49	44	36	31	26	26	26	26					
	BNL	78	79	79	79	79	79	78	79	79	79	79	78	78	78	78	77					
	% HV	5	5	6	6	6	6	6	6	6	6	5	4	4	4	4	4					
	Gradient	0	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
	Distance	20	Distance	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2					
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0					
Angle	160 angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr					
Facade Noise Levels dB(A)		81.8	82.8	83.1	83.7	83.4	83.1	83.2	83.4	83.6	83.1	82.1	81.2	80.5	80.2	79.9	79.7	82.4				
HKPSG Exceedances		11.8	12.8	13.1	13.7	13.4	13.1	13.2	13.4	13.6	13.1	12.1	11.2	10.5	10.2	9.9	9.7					
		16	# number of hours exceeded 70 dB(A)																			
2009	LV	2,677	3,123	2,697	2,178	2,007	2,005	2,019	2,078	2,412	2,243	2,361	3,163	3,352	2,821	2,049	1,603	2,690	2,348	2,382		
	HV	1,090	1,180	1,197	1,181	1,248	1,210	1,183	1,203	1,270	1,218	809	940	922	668	484	351	1,143	802	1,020		
	SPD	35.0	35.0	35.0	37.8	37.8	37.8	37.8	37.8	37.8	38.5	38.5	38.5	38.5	37.8	37.8	37.8	35	39	38		
	total	3767	4303	3895	3359	3253	3215	3202	3281	3682	3461	3170	4103	4274	3289	2534	1954					
	% HV	29	27	31	35	38	38	37	37	34	35	26	23	22	20	19	18					
	BNL	78	79	78	77	77	77	77	77	78	78	77	78	79	77	78	75					
	% HV	3	2	3	3	4	4	4	4	3	3	2	2	2	2	1	1					
	Gradient	6	Gradient	2	2	2	2	2	2	2	2	2	2	2	2	2	2					
	Distance	10	Distance	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0					
Angle	160 angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr					
Facade Noise Levels dB(A)		83.4	83.8	83.8	83.6	83.8	83.7	83.6	83.7	84.0	83.8	82.3	83.0	83.0	81.7	80.4	79.0	83.1				
HKPSG Exceedances		13.4	13.8	13.8	13.6	13.8	13.7	13.6	13.7	14.0	13.8	12.3	13.0	13.0	11.7	10.4	9.0					
		16	# number of hours exceeded 70 dB(A)																			
2019	LV	1,134	1,814	1,935	1,506	1,440	1,652	1,505	1,638	1,762	1,705	1,635	1,977	2,342	1,762	1,325	997	1,715	1,637	1,621		
	HV	393	459	583	646	712	642	688	623	652	610	454	470	536	372	258	179	450	437	538		
	SPD	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	24.0	24.0	24.0	24.0	23.0	23.0	23	24	23		
	total	1527	2273	2517	2154	2153	2293	2192	2261	2414	2315	2089	2446	2879	2134	1583	1176					
	% HV	26	20	23	30	33	28	31	28	27	26	22	19	19	17	16	15					
	BNL	74	76	76	76	76	76	76	76	76	76	75	76	77	75	74	73					
	% HV	3	2	3	4	4	3	4	3	3	3	2	2	2	2	1	1					
	Gradient	0	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
	Distance	12	Distance	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1					
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0					
Angle	160 angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr					
Facade Noise Levels dB(A)		77.4	78.3	79.2	79.5	79.9	79.5	79.8	79.4	79.6	79.2	78.1	78.3	78.9	77.5	76.0	74.5	78.7				
HKPSG Exceedances		7.4	8.3	9.2	9.5	9.9	9.5	9.8	9.4	9.6	9.2	8.1	8.3	8.9	7.5	6						

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2016CTS-3(815100)MAIN MODEL RUN-V84 SCII PRAC NET MED Fleet Toll New Bus

		Hour Start / 2-Hourly Traffic Volume (veh.) or Speed (km/hr)																						Model Output		
Str.		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	AM		PM		OP				
2033	LV	544	1,006	974	688	658	755	688	749	805	736	549	798	1,071	805	606	456	951	550	741						
	HV	403	666	668	595	654	589	631	572	598	578	487	461	492	341	237	164	653	468	494						
	SPD	20.5	20.5	20.5	21.0	21.0	21.0	21.0	21.0	21.0	21.5	21.5	21.5	21.5	21.0	21.0	21.0	21	22	21						
	total	947	1672	1643	1283	1312	1344	1319	1321	1404	1314	1036	1259	1563	1147	842	620									
	% HV	43	40	41	46	50	44	48	43	43	44	47	37	32	30	28	26									
	BNL	72	74	74	73	73	73	73	73	74	73	72	73	74	73	71	70									
	% HV	5	5	5	6	6	5	6	5	5	5	6	5	4	4	4	3									
	Gradient	3	Gradient	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
	Distance	8	Distance	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0									
Angle		160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr								
Facade Noise Levels dB(A)		80.0	82.2	82.2	81.5	81.9	81.5	81.8	81.4	81.6	81.3	80.5	80.4	80.8	79.3	77.7	76.2									
HKPSG Exceedances		10.0	12.2	12.2	11.5	11.9	11.5	11.8	11.4	11.6	11.3	10.5	10.4	10.8	9.3	7.7	6.2									
		16 = number of hours exceeded 70 dB(A)																								
2201	LV	2,408	2,901	2,447	1,944	1,792	1,789	1,802	1,854	2,153	2,001	2,104	2,821	2,991	2,339	1,829	1,430	2,499	2,091	2,126						
	HV	1,171	1,290	1,294	1,262	1,331	1,293	1,265	1,286	1,357	1,312	901	1,022	988	714	517	375	1,250	893	1,090						
	SPD	31.3	31.3	31.3	36.3	36.3	36.3	36.3	36.3	37.5	37.5	37.5	37.5	37.5	36.3	36.3	36.3	31	38	36						
	total	3578	4192	3741	3206	3123	3083	3067	3140	3510	3313	3006	3843	3977	3053	2347	1805									
	% HV	33	31	35	39	43	42	41	41	38	40	30	27	25	23	22	21									
	BNL	78	78	78	77	77	77	77	77	78	77	77	78	78	78	76	75									
	% HV	3	3	3	4	4	4	4	4	4	4	3	2	2	2	2	2									
	Gradient	3	Gradient	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
	Distance	16	Distance	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0									
Angle		160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr								
Facade Noise Levels dB(A)		82.8	83.3	83.2	82.9	83.1	83.0	82.9	83.0	83.3	83.1	81.7	82.3	82.2	80.9	79.6	78.2									
HKPSG Exceedances		12.8	13.3	13.2	12.9	13.1	13.0	12.9	13.0	13.3	13.1	11.7	12.3	12.2	10.9	9.6	8.2									
		16 = number of hours exceeded 70 dB(A)																								
2215	LV	1,707	2,698	2,653	1,906	1,787	1,762	1,329	1,614	1,818	2,083	2,118	2,290	1,998	1,699	1,444	1,228	2,530	2,147	1,756						
	HV	431	632	667	930	924	911	746	845	830	951	1,044	539	299	181	122	78	696	969	594						
	SPD	64.5	64.5	64.5	69.0	69.0	69.0	69.0	69.0	64.5	64.5	64.5	64.5	64.5	69.0	69.0	69.0	65	65	69						
	total	2139	3331	3520	2836	2710	2673	2074	2459	2648	3034	3162	2829	2297	1890	1566	1308									
	% HV	20	19	25	33	34	34	36	34	31	31	33	19	13	10	8	6									
	BNL	76	77	78	77	77	76	75	76	76	77	77	77	76	75	74	73									
	% HV	3	3	3	5	5	5	5	5	5	4	4	3	2	2	1	1									
	Gradient	0	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
	Distance	20	Distance	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2									
	Surface	1	Surface	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5									
Angle		160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr								
Facade Noise Levels dB(A)		74.5	76.3	77.2	77.4	77.4	77.3	76.4	77.0	77.3	77.8	75.6	73.8	72.8	71.5	70.4	76.1									
HKPSG Exceedances		4.5	6.3	7.2	7.4	7.4	7.3	6.4	7.0	7.0	7.3	7.6	5.6	3.8	2.6	1.5	0.4									
		15 = number of hours exceeded 70 dB(A)																								
3001	LV	4,043	4,072	4,368	4,623	4,225	4,582	4,213	4,715	4,811	4,472	4,471	5,245	5,523	4,815	5,277	5,575	3,951	4,407	4,832						
	HV	1,471	1,190	1,508	1,613	1,872	1,581	1,765	1,893	1,840	1,843	1,445	1,227	862	733	564	487	1,205	1,449	1,380						
	SPD	59.0	59.0	59.0	54.5	54.5	54.5	54.5	54.5	54.5	56.5	56.5	56.5	56.5	54.5	54.5	54.5	59	57	55						
	total	5514	5262	5874	6235	6097	6163	5978	6608	6651	6315	5915	6472	6385	5548	5841	6062									
	% HV	27	23	26	28	31	26	30	29	28	29	24	19	13	13	10	8									
	BNL	80	79	80	80	80	80	80	80	80	80	80	80	80	80	80	80									
	% HV	3	3	3	3	4	3	3	3	3	3	2	1	1	1	1	1									
	Gradient	3	Gradient	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
	Distance	21	Distance	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3									
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0									
Angle		160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr								
Facade Noise Levels dB(A)		82.3	81.6	82.4	82.4	82.9	82.4	82.7	83.0	82.9	83.0	82.2	81.8	80.9	80.1	79.6	79.4									
HKPSG Exceedances		12.3	11.8	12.4	12.4	12.9	12.4	12.7	13.0	12.9	13.0	12.2	11.8	10.9	10.1	9.6	9.4									
		16 = number of hours exceeded 70 dB(A)																								
3002	LV	4,084	4,210	4,012	3,947	2,542	2,330	2,145	2,398	2,998	4,040	3,248	4,183	3,401	2,406	2,949	2,809	3,745	3,496	3,123						
	HV	1,635	2,000	2,292	2,635	3,272	2,853	2,813	3,438	3,263	2,762	2,365	2,442	2,142	1,386	857	799	1,952	2,237	2,370						

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2016CTS-3(815100)MAIN MODEL RUN-V84 SCII PRAC NET MED Fleet Budget Toll New Bus

Sta.		Hour Start / 2-way Hourly Traffic Volume (veh.) or Speed (km/hr)																Model Output		
		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	AM	PM	OP
3012	LV	2,256	2,301	2,365	2,364	2,350	2,231	2,112	2,473	2,550	2,580	2,630	3,237	3,007	2,402	1,918	1,532	2,054	2,814	2,411
	HV	945	1,272	1,524	1,821	1,796	1,844	1,539	1,743	1,907	1,728	1,401	1,359	1,010	703	490	342	1,276	1,372	1,326
	SPD	28.5	28.5	28.5	28.0	28.0	28.0	28.0	28.0	27.5	27.5	27.5	27.5	27.5	28.0	28.0	28.0	29	28	28
	total	3201	3573	3889	4185	4146	3875	3651	4217	4457	4308	4030	4506	4016	3105	2409	1874			
	% HV	30	36	39	44	43	42	42	41	43	40	35	30	25	23	20	18			
	BNL	77	78	78	78	78	78	78	78	79	79	78	78	78	77	76	75			
	% HV	3	4	4	4	4	4	4	4	4	4	3	2	2	2	1				
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10			
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
	Angle	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160			
3204	LV	5,385	5,576	5,296	5,199	5,348	5,070	2,827	3,159	3,949	5,331	4,312	5,531	4,480	3,189	3,885	3,699	4,960	4,641	4,113
	HV	1,971	2,434	2,772	3,169	3,935	3,431	3,383	4,135	3,924	3,343	2,941	2,979	2,576	1,667	1,031	961	2,375	2,782	2,850
	SPD	42.5	42.5	42.5	42.0	42.0	42.0	42.0	42.0	42.0	37.0	37.0	37.0	37.0	42.0	42.0	42.0	43	37	42
	total	7356	8010	8068	8368	7283	6500	6209	7294	7872	8675	7253	8510	7055	4835	4916	4661			
	% HV	27	30	34	38	54	53	54	57	50	39	41	35	37	34	21	21			
	BNL	81	81	81	81	81	80	80	81	81	82	81	81	81	79	79	79			
	% HV	3	3	3	4	5	5	5	5	4	4	4	3	4	3	2	2			
	Gradient	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6			
	Distance	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10			
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
	Angle	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160			
3212	LV	4,016	4,699	4,794	4,430	4,603	4,871	4,550	4,871	4,768	5,032	4,494	5,191	5,412	4,587	3,888	3,295	4,572	4,415	4,622
	HV	2,014	2,123	2,448	2,856	2,832	2,800	2,672	2,826	2,878	2,637	2,412	2,251	1,865	1,329	947	675	2,218	2,320	2,162
	SPD	34.0	34.0	34.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	34	35	35
	total	6030	6822	7242	7086	7235	7671	7222	7498	7646	7669	6906	7442	7277	5916	4835	3970			
	% HV	33	31	34	37	36	36	37	35	38	34	35	30	28	22	20	17			
	BNL	80	81	81	81	81	81	81	81	81	81	81	81	81	80	79	78			
	% HV	3	3	3	4	3	4	4	3	4	3	3	3	2	2	1	1			
	Gradient	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3			
	Distance	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12			
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
	Angle	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160			
3214	LV	1,012	1,031	1,843	1,588	918	1,681	1,031	2,207	1,165	1,586	2,214	1,679	1,856	2,042	2,135	1,980	1,335	2,011	1,909
	HV	513	593	617	1,287	1,345	1,052	1,374	994	1,280	1,015	723	741	421	283	222	318	512	746	848
	SPD	30.0	30.0	30.0	28.0	28.0	28.0	28.0	28.0	28.0	27.0	27.0	27.0	27.0	28.0	28.0	28.0	30	27	28
	total	1525	1625	2659	2875	2262	2733	2405	3201	2448	2601	2936	2420	2278	2325	2357	2299			
	% HV	34	37	31	45	59	38	57	31	52	39	25	31	19	12	9	14			
	BNL	74	74	76	77	76	77	76	77	76	76	76	76	76	76	76	76			
	% HV	3	4	3	5	6	4	6	3	5	4	2	3	1	0	0	0			
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12			
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
	Angle	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160			
3219	LV	1,043	940	962	925	908	984	861	1,063	936	1,010	1,340	1,531	1,345	1,062	839	663	883	1,331	1,003
	HV	399	297	462	660	714	650	687	700	814	591	367	332	272	195	140	101	315	353	481
	SPD	45.0	45.0	45.0	42.5	42.5	42.5	42.5	42.5	42.5	41.5	41.5	41.5	41.5	42.5	42.5	42.5	45	42	43
	total	1441	1237	1425	1586	1621	1534	1547	1763	1550	1601	1707	1862	1617	1258	980	764			
	% HV	28	24	32	42	44	40	44	40	40	37	22	19	17	16	14	13			
	BNL	74	73	74	74	74	74	74	75	74	74	75	74	73	73	72	71			
	% HV	3	2	3	4	4	4	4	4	4	4	2	1	1	1	1	0			
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12			
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
	Angle	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160			
3223	LV	3,045	4,328	4,029	4,001	3,530	4,090	3,839	4,110	4,007	3,868	3,514	4,768	4,238	3,583	3,029	2,561	3,850	3,659	3,792
	HV	1,019	1,461	1,737	2,162	2,139	1,921	2,030	1,987	1,944	2,099	1,727	1,563	1,007	845	709	595	1,414	1,682	1,562
	SPD	32.0	32.0	32.0	31.0	31.0	31.0	31.0	31.0	31.0	31.5	31.5	31.5	31.5	31.0	31.0	31.0	32	32	31
	total	4064	5789	5766	6163	5668	6011	5869	6097	5951	5968	5242	6331	5245	4428	3738	3156			
	% HV	25	25	30	35	38	32	35	33	33	35	33	25	19	19	19	19			
	BNL	78	80	80	80	80	80	80	80	80	80	79	80	79	79	78	77			
	% HV	2	2	3	3	4	3	3	3	3	3	3	2	1	1	1	1			
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10			
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
	Angle	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160			

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2016CTS-3(815100)MAIN MODEL RUN-V84 SCII PRAC NET MED Fleet Budget Toll New Bus

		Hour Start / 2-way Hourly Traffic Volume (veh.) or Speed (km/hr)																Model Output		
Str.		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	AM	PM	OP
3224	LV	351	566	495	485	504	495	482	554	595	514	457	619	814	815	815	816	532	476	609
	HV	404	466	507	512	519	495	532	503	519	540	540	476	420	350	292	244	460	523	448
	SPD	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	30.5	30.5	30.5	30.5	31.0	31.0	31.0	31	31	31
	total	755	1032	1002	997	1023	990	1015	1057	1115	1054	997	1095	1234	1165	1108	1060			
	% HV	54	45	51	51	51	50	52	48	47	51	54	43	34	30	26	23			
	BNL	71	72	72	72	72	72	72	72	73	72	72	73	73	73	73	72			
	% HV	5	4	5	5	5	5	5	5	5	5	5	4	3	3	2	2			
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
	Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5			
	Facade Noise Levels dB(A)	77.0	77.7	78.0	78.1	78.1	77.9	78.2	78.0	78.2	78.3	78.3	77.9	77.5	76.7	76.1	75.4			
	HKPSG Exceedances	7.0	7.7	8.0	8.1	8.1	7.9	8.2	8.0	8.2	8.3	8.3	7.9	7.5	6.7	6.1	5.4			
	16 = number of hours exceeded 70 dB(A)																			
3225	LV	478	812	687	668	673	680	644	739	795	716	741	904	1,086	1,087	1,089	1,090	763	773	813
	HV	738	764	895	963	976	931	1,002	947	977	981	879	835	790	659	550	459	754	851	843
	SPD	26.5	26.5	26.5	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	27	26	26
	total	1216	1576	1582	1611	1649	1592	1645	1686	1772	1698	1821	1739	1876	1747	1839	1549			
	% HV	81	48	57	60	59	59	61	56	55	58	54	48	42	38	34	30			
	BNL	73	74	74	74	74	74	74	74	74	74	74	74	75	75	75	74			
	% HV	6	5	6	6	6	6	6	6	6	6	5	5	4	4	4	3			
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
	Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5			
	Facade Noise Levels dB(A)	79.9	80.2	80.8	81.1	81.2	81.0	81.3	81.1	81.2	81.2	80.8	80.6	80.4	79.7	79.0	78.3			
	HKPSG Exceedances	9.9	10.2	10.8	11.1	11.2	11.0	11.3	11.1	11.2	11.2	10.8	10.6	10.4	9.7	9.0	8.3			
	16 = number of hours exceeded 70 dB(A)																			
3230	LV	563	795	805	727	668	695	734	756	836	753	549	777	872	898	556	443	771	586	708
	HV	299	328	473	509	510	511	456	580	534	492	461	390	296	222	166	124	338	451	396
	SPD	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	25.0	25.0	25.0	25.0	24.0	24.0	24.0	24	25	24
	total	862	1123	1277	1236	1178	1207	1190	1316	1371	1244	1010	1167	1169	918	722	568			
	% HV	35	29	37	41	43	42	38	43	39	40	46	33	25	24	23	22			
	BNL	72	73	73	73	73	73	73	73	74	73	72	73	73	72	71	70			
	% HV	4	3	4	5	5	5	4	5	4	4	5	4	3	3	2	2			
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
	Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5			
	Facade Noise Levels dB(A)	78.5	77.0	78.5	78.8	78.8	78.8	78.8	78.3	79.2	79.0	78.5	78.2	77.6	76.6	75.5	74.2			
	HKPSG Exceedances	6.5	7.0	8.5	8.8	8.8	8.8	8.3	9.2	9.0	8.5	8.2	7.6	6.6	5.5	4.2	3.0			
	16 = number of hours exceeded 70 dB(A)																			
3231	LV	1,018	1,536	1,489	1,284	1,180	1,228	1,298	1,335	1,478	1,405	1,248	1,538	1,541	1,230	982	783	1,489	1,331	1,251
	HV	522	595	835	881	883	885	788	969	924	820	589	628	513	384	287	215	614	675	585
	SPD	27.0	27.0	27.0	28.0	28.0	28.0	28.0	28.0	27.0	27.0	27.0	27.0	27.0	28.0	28.0	28.0	27	27	28
	total	1,540	2,131	2,324	2,165	2,062	2,113	2,086	2,304	2,402	2,225	1,937	2,166	2,054	1,614	1,269	999			
	% HV	34	26	36	41	43	42	38	42	38	37	36	29	25	24	23	22			
	BNL	74	75	76	76	75	75	75	76	76	76	75	76	75	74	73	72			
	% HV	4	3	4	4	4	4	4	4	4	4	4	3	2	2	2	2			
	Gradient	6	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
	Distance	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
	Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5			
	Facade Noise Levels dB(A)	80.4	81.1	82.4	82.5	82.5	82.5	82.1	82.9	82.8	82.4	81.6	81.3	80.6	79.3	78.1	76.9			
	HKPSG Exceedances	10.4	11.1	12.4	12.5	12.5	12.5	12.1	12.9	12.8	12.4	11.6	11.3	10.6	9.3	8.1	6.9			
	16 = number of hours exceeded 70 dB(A)																			
3232	LV	636	729	575	601	565	585	555	606	827	895	925	886	849	708	676	643	654	902	651
	HV	285	242	402	437	477	413	393	410	445	417	278	318	229	152	155	122	289	295	335
	SPD	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	30.0	30.0	30.0	30.0						

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2016CTS-3(815100)MAIN MODEL RUN-V84 SCII PRAC NET MED Fleet Budget Toll New Bus

Stn.		Hour Start / 2-way Hourly Traffic Volume (veh.) or Speed (km/hr)																Model Output		
		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	AM	PM	OP
3235	LV	1,813	1,840	1,706	1,345	1,187	1,347	1,233	1,289	1,303	1,312	1,482	1,638	1,909	1,560	1,276	1,043	1,571	1,433	1,428
	HV	929	745	886	765	802	772	804	789	935	811	767	709	705	500	355	252	757	716	716
	SPD	44.0	44.0	44.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	44	46	46
	total	2742	2585	2592	2111	1999	2120	2037	2078	2238	2122	2249	2348	2614	2081	1631	1295			
	% HV	34	29	34	38	40	36	39	38	42	38	34	30	27	24	22	19			
	BNL	77	76	76	75	75	75	75	75	76	75	76	76	76	75	74	73			
	% HV	3	3	3	4	4	4	4	4	4	4	3	3	3	2	2	2			
	Gradient	6	Gradient	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
	Distance	15	Distance	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr		
	Facade Noise Levels dB(A)	81.4	80.6	81.2	80.6	80.7	80.6	80.7	80.6	81.3	80.8	80.8	80.4	80.5	79.1	77.8	76.4	80.4		
	HKPSG Exceedances	11.4	10.6	11.2	10.8	10.7	10.6	10.7	10.6	11.3	10.8	10.8	10.4	10.5	9.1	7.8	6.4			
		16	= number of hours exceeded 70 dB(A)																	
3402	LV	1,201	1,706	1,589	1,579	1,393	1,614	1,515	1,822	1,581	1,517	1,346	1,857	1,873	1,414	1,195	1,011	1,518	1,402	1,497
	HV	400	526	664	867	858	770	814	797	780	631	655	610	404	339	284	239	509	638	627
	SPD	28.5	28.5	28.5	27.3	27.3	27.3	27.3	27.3	27.3	28.0	28.0	28.0	28.0	27.3	27.3	27.3	29	28	27
	total	1601	2232	2253	2446	2251	2385	2329	2419	2361	2349	2001	2468	2076	1753	1480	1249			
	% HV	25	24	29	35	38	32	35	33	33	35	35	25	19	19	19	19			
	BNL	74	75	76	76	76	76	76	76	76	76	75	76	75	75	74	73			
	% HV	2	2	3	4	4	3	4	3	3	4	3	2	2	2	2	2			
	Gradient	6	Gradient	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
	Distance	21	Distance	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3			
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr		
	Facade Noise Levels dB(A)	76.8	78.0	78.9	80.0	79.9	79.6	79.7	79.7	79.6	79.8	78.8	78.7	77.1	76.4	75.6	74.9	78.6		
	HKPSG Exceedances	6.8	8.0	8.9	10.0	9.9	9.6	9.7	9.7	9.6	9.8	8.8	8.7	7.1	6.4	5.6	4.9			
		16	= number of hours exceeded 70 dB(A)																	
3403	LV	1,174	1,640	1,545	1,549	1,367	1,584	1,486	1,591	1,551	1,522	1,466	1,908	1,641	1,387	1,173	991	1,459	1,526	1,468
	HV	415	549	690	898	889	798	843	825	808	660	675	631	418	351	295	247	531	657	649
	SPD	33.0	33.0	33.0	32.5	32.5	32.5	32.5	32.5	32.5	32.0	32.0	32.0	32.0	32.5	32.5	32.5	33	32	33
	total	1598	2189	2235	2447	2255	2382	2330	2417	2359	2382	2140	2539	2059	1738	1467	1238			
	% HV	26	25	31	37	39	34	36	34	34	36	32	25	20	20	20	20			
	BNL	74	76	76	76	76	76	76	76	76	76	75	76	75	75	74	73			
	% HV	2	2	3	4	4	3	4	3	3	4	3	2	2	1	1	1			
	Gradient	6	Gradient	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
	Distance	21	Distance	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3			
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr		
	Facade Noise Levels dB(A)	76.8	78.0	78.8	79.9	79.8	79.4	79.6	79.5	79.4	79.7	78.7	78.6	77.0	76.3	75.5	74.8	78.5		
	HKPSG Exceedances	6.8	8.0	8.8	9.9	9.8	9.4	9.6	9.5	9.4	9.7	8.7	8.6	7.0	6.3	5.5	4.8			
		16	= number of hours exceeded 70 dB(A)																	
3404	LV	530	746	699	697	615	713	669	716	698	681	642	848	739	625	528	446	664	668	661
	HV	252	353	426	537	531	477	504	494	483	511	391	372	250	210	176	148	342	381	388
	SPD	38.5	38.5	38.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39	40	40
	total	781	1100	1125	1234	1147	1190	1173	1210	1181	1192	1033	1220	989	834	704	584			
	% HV	32	32	38	43	46	40	43	41	41	43	38	30	25	25	25	25			
	BNL	71	73	73	73	73	73	73	73	73	73	72	73	72	71	71	70			
	% HV	3	3	4	4	4	4	4	4	4	4	4	3	2	2	2	2			
	Gradient	6	Gradient	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
	Distance	21	Distance	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3			
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr		
	Facade Noise Levels dB(A)	74.4	75.9	76.8	77.5	77.4	77.0	77.2	77.2	77.1	77.3	76.2	76.2	74.6	73.9	73.1	72.3	76.1		
	HKPSG Exceedances	4.4	5.9	6.6	7.5	7.4	7.0	7.2	7.2	7.1	7.3	6.2	6.2	4.6	3.9	3.1	2.3			
		16	= number of hours exceeded 70 dB(A)																	
3405	LV	5,073	5,028	4,933	4,946	3,185	2,920	2,689	3,005	3,756	5,014	3,897	5,138	4,261	3,014	3,696	3,519	4,473	4,194	3,913
	HV	1,807	2,292	2,562	2,881	3,578	3,119	3,076	3,759	3,568	3,027	2,616	2,884	2,342	1,515	938	874	2,237	2,475	2,592
	SPD	42.0	42.0	42.0	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42	42	42
	total	6880	7320	7495	7827	6763	6039	5765	6765	7324	8041	6513	7822	6603	4530	4633	4393			
	% HV	28	31	34	37	53	52	53	56	49	38	40	34	35	33	20	20			
	BNL	81	81	81	81	81	80	80	81	81	81	80	81	80	79	79	79			
	% HV	2	3	3	4	5	5	5	5	5	4	4	3	3	3	2	2			
	Gradient	3	Gradient	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
	Distance	10	Distance	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr		
	Facade Noise Levels dB(A)	84.9	85.8	86.2	86.8	87.3	86.7	86.7	87.5	87.4	88.8	86.2	85.4	85.8	83.9	82.4	82.1	86.0		
	HKPSG Exceedances	14.9	15.8	16.2	16.5	17.3	16.7	16.7	17.5	17.4	16.8	16.2	16.4	15.8	13.9	12.4	12.1			
		16	= number of hours exceeded 70 dB(A)																	
3406	LV	3,262	3,247	2,088	1,922	1,748	1,660	1,848	2,014	2,167	2,253	3,093	3,468	2,844	2,528	2,247	1,998	2,759		

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2016CTS-3(815100)MAIN MODEL RUN-V84 SCII PRAC NET MED Fleet Budget Toll New Bus

Stn.		Hour Start / 2-Hourly Traffic Volume (veh.) or Speed (km/hr)																Model Output		
		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	AM	PM	OP
3412	LV	696	813	831	759	799	845	789	845	827	848	667	845	939	796	675	572	791	655	602
	HV	759	851	942	979	970	1,032	985	968	1,061	979	915	841	688	490	349	249	889	880	797
	SPD	23.5	23.5	23.5	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	24	25	25
	total	1455	1664	1773	1748	1769	1877	1775	1813	1888	1826	1582	1666	1627	1288	1024	821			
	% HV	52	51	53	56	55	55	56	53	56	54	58	50	42	38	34	30			
	BNL	74	74	75	75	75	75	75	75	75	75	74	74	74	73	72	71			
	% HV	6	6	6	6	6	6	6	6	6	6	6	5	5	4	4	3			
Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Distance	12	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			
Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5			
Facade Noise Levels dB(A)		79.9	80.4	80.8	80.7	81.0	80.8	80.7	81.1	80.8	80.4	80.1	79.3	77.9	76.5	75.1	80.0			
HKPSG Exceedances		9.9	10.4	10.8	10.7	11.0	10.8	10.7	11.1	10.8	10.4	10.1	9.3	7.9	6.5	5.1				
	16	= number of hours exceeded 70 dB(A)																		
3422	LV	841	1,271	1,170	958	980	947	944	1,029	1,043	1,027	950	1,049	1,132	1,017	1,026	1,040	1,234	958	1,007
	HV	446	621	656	784	732	779	714	882	701	701	671	711	626	504	439	408	583	673	638
	SPD	22.0	22.0	22.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	22	23	23
	total	1287	1893	1825	1742	1711	1726	1658	1711	1744	1728	1621	1760	1758	1521	1465	1446			
	% HV	35	33	36	45	43	45	43	40	40	41	41	40	36	33	30	28			
	BNL	73	75	75	75	75	75	74	75	75	75	74	75	75	74	74	74			
	% HV	4	4	4	5	5	5	5	5	5	5	5	5	4	4	4	3			
Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Distance	5	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5			
Facade Noise Levels dB(A)		80.6	82.1	82.3	82.8	82.5	82.7	82.4	82.2	82.3	82.3	82.1	82.4	81.9	81.0	80.4	80.1			
HKPSG Exceedances		10.6	12.1	12.3	12.8	12.5	12.7	12.4	12.2	12.3	12.3	12.1	12.4	11.9	11.0	10.4	10.1			
	16	= number of hours exceeded 70 dB(A)																		
3423	LV	1,953	2,537	2,576	2,355	2,408	2,327	2,321	2,530	2,563	2,554	2,459	2,642	2,781	2,500	2,521	2,557	2,462	2,479	2,475
	HV	559	786	824	978	913	972	891	851	874	859	772	854	781	629	547	506	738	774	796
	SPD	21.0	21.0	21.0	21.5	21.5	21.5	21.5	21.5	21.5	22.0	22.0	22.0	22.0	21.5	21.5	21.5	21	22	22
	total	2512	3323	3400	3333	3321	3299	3212	3381	3437	3413	3231	3497	3562	3128	3069	3063			
	% HV	22	24	24	29	27	29	28	25	25	24	24	24	22	20	18	17			
	BNL	76	77	78	77	77	77	77	78	78	78	77	78	78	77	77	77			
	% HV	3	3	3	4	4	4	4	3	3	3	3	3	3	2	2	2			
Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Distance	5	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5			
Facade Noise Levels dB(A)		82.0	83.5	83.7	84.2	83.9	84.2	83.8	83.7	83.8	83.6	83.2	83.6	83.3	82.5	82.0	81.7			
HKPSG Exceedances		12.0	13.5	13.7	14.2	13.9	14.2	13.8	13.7	13.8	13.6	13.2	13.6	13.3	12.5	12.0	11.7			
	16	= number of hours exceeded 70 dB(A)																		
3425	LV	2,945	4,269	3,920	3,850	3,397	3,936	3,695	3,955	3,856	3,735	3,436	4,620	4,078	3,448	2,915	2,484	3,798	3,577	3,649
	HV	957	1,374	1,631	2,027	2,008	1,801	1,904	1,863	1,823	1,964	1,602	1,458	944	792	665	558	1,330	1,560	1,465
	SPD	31.0	31.0	31.0	30.5	30.5	30.5	30.5	30.5	30.5	29.5	29.5	29.5	29.5	29.5	30.5	30.5	31	30	31
	total	3902	5644	5551	5878	5403	5738	5598	5818	5679	5699	5038	6078	5022	4240	3560	3022			
	% HV	25	24	29	34	37	31	34	32	32	34	32	34	24	19	19	18			
	BNL	78	80	80	80	80	80	80	80	80	80	80	79	80	79	78	77			
	% HV	2	2	3	3	4	3	3	3	3	3	3	2	1	1	1	1			
Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Distance	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5			
Facade Noise Levels dB(A)		81.3	82.9	83.4	84.3	84.2	83.8	84.0	84.0	83.9	84.2	83.4	83.2	81.5	80.7	80.0	79.2			
HKPSG Exceedances		11.3	12.9	13.4	14.3	14.2	13.8	14.0	14.0	13.9	14.2	13.4	13.2	11.5	10.7	10.0	9.2			
	16	= number of hours exceeded 70 dB(A)																		
3431	LV	2,519	2,221	1,558	1,527	1,388	1,319	1,469	1,601	1,738	1,687	1,909	2,443	2,260	2,009	1,786	1,588	1,887	1,918	1,789
	HV	608	683	831	990	925	828	940	985	936	911	788	771	698	521	389	291	658	782	766
	SPD	41.5	41.5	41.5	42.5	42.5	42.5	42.5	42.5	42.5	42.0	42.0	42.0	42.0	42.5	42.5	42.5	42	42	43
	total	3127	2904	2390	2517	2313	2148	2408	2585	2674	2599	2697	3213	2958	2530	2175	1878			
	% HV	19	24	35	39	40	39	39	38	35	35	29	24	24	21	18	15			
	BNL	77	77	76	76	76	76	76	76	76	76	77	77	77	76	76	75			
	% HV	1	2	3	4	4	4	4	4	4	3	3	2	2	2	1	1			
Gradient	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Distance	12	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			
Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5			
Facade Noise Levels dB(A)		79.9	80.2	80.7	81.4	81.0	80.5	81.1	81.4	81.2	81.1	80.6	80.7	80.3	79.2	78.1	77.1			
HKPSG Exceedances		9.9	10.2	10.7	11.4	11.0	10.6	11.1	11.4	11.2	11.1	10.6	10.7	10.3	9.2	8.1	7.1			
	16	= number of hours exceeded 70 dB(A)																		
3433	LV	563	795	805	727	668	695	734	756	836	753	849	777	872	698	556	443	771	586	708
	HV	299	328	473	509	510	511	456	560	534	492	481	390	296	222	166	124	338	451	396
	SPD	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	25.0	25.0	25.0	25.0	24.0	24.0	24.0	24	25	24
	total	862	1123	1277	1236	1178	1207	1190	1316	1371	1244	1010	1167	1169	91					

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2016CTS-3(815100)MAIN MODEL RUN-V84 SCII PRAC NET MED Fleet Budget Toll New Bus

[illegible]

2016CTS-3(815100)MAIN MODEL RUN-V84 SCII PRAC NET MED Fleet Budget Toll New Bus

[illegible]

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2016CTS-3(815100)MAIN MODEL RUN-V84 SCII PRAC NET MED Fleet Budget Toll New Bus

		Hour Start / 2-way Hourly Traffic Volume (veh.) or Speed (km/hr)																Model Output		
Stn.		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	AM	PM	OP
3625	LV	899	1,471	1,274	1,235	1,283	1,260	1,228	1,411	1,516	1,386	1,497	1,774	2,073	2,075	2,077	2,079	1,382	1,561	1,551
	HV	715	762	875	927	940	897	965	912	941	965	926	839	761	635	530	442	752	896	812
	SPD	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	20.0	20.0	20.0	20.0	21.0	21.0	21.0	21	20	21
	total	1615	2233	2150	2164	2223	2157	2193	2323	2458	2351	2423	2613	2834	2710	2607	2521			
	% HV	44	34	41	43	42	42	44	39	38	41	38	32	27	23	20	18			
	BNL	74	75	76	76	76	76	76	75	75	76	76	76	76	77	76	76			
	% HV	5	4	5	5	5	5	5	5	5	5	5	4	4	3	3	2			
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	Average Level over 16 hr		
3635	Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5			
	Facade Noise Levels dB(A)	80.7	81.1	81.6	81.9	81.9	81.7	82.0	81.8	82.0	82.3	82.1	81.8	81.5	80.5	79.9	79.2	81.5		
	HKPSG Exceedances	10.7	11.1	11.6	11.9	11.9	11.7	12.0	11.6	12.0	12.3	12.1	11.6	11.5	10.5	9.9	9.2			
	16	= number of hours exceeded 70 dB(A)																		
	LV	1,395	2,045	2,019	1,778	1,633	1,701	1,797	1,899	2,046	1,841	1,340	1,898	2,134	1,703	1,359	1,085	1,982	1,430	1,732
	HV	695	794	1,113	1,173	1,175	1,178	1,050	1,290	1,230	1,099	943	846	683	511	383	287	819	923	912
	SPD	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	31.0	31.0	31.0	31.0	29.0	29.0	29.0	29.0	29	31	29
	total	2090	2839	3132	2950	2808	2878	2846	3138	3277	2940	2283	2744	2816	2214	1742	1371			
	% HV	33	28	36	40	42	41	37	41	38	37	41	31	24	23	22	21			
	BNL	75	77	77	77	77	77	77	77	77	77	76	77	77	76	75	74			
	% HV	3	3	4	4	4	4	4	4	4	4	3	2	2	2	2	2			
3636	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	Average Level over 16 hr		
	Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5			
	Facade Noise Levels dB(A)	79.8	80.4	81.8	81.9	81.9	81.9	81.5	82.3	82.2	81.6	80.8	80.6	79.8	78.7	77.5	76.3	80.8		
	HKPSG Exceedances	9.8	10.4	11.8	11.9	11.9	11.9	11.5	12.3	12.2	11.6	10.8	10.5	9.8	8.7	7.5	6.3			
	16	= number of hours exceeded 70 dB(A)																		
	LV	1,895	2,546	2,564	2,488	2,286	2,380	2,514	2,587	2,864	2,706	2,356	2,945	2,986	2,383	1,902	1,518	2,468	2,516	2,424
	HV	1,016	1,211	1,647	1,693	1,697	1,701	1,516	1,863	1,777	1,580	1,336	1,211	986	738	553	414	1,249	1,308	1,317
	SPD	20.0	20.0	20.0	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20	21	21
	total	2911	3757	4310	4181	3983	4081	4030	4450	4641	4286	3694	4156	3972	3121	2454	1932			
	% HV	35	32	38	40	43	42	38	42	38	37	38	29	25	24	23	21			
	BNL	77	78	79	78	78	78	78	79	79	79	78	78	78	77	76	75			
	% HV	5	4	5	5	5	5	5	5	5	5	4	3	3	3	3	3			
3637	Gradient	6	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
	Distance	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	Average Level over 16 hr		
	Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5			
	Facade Noise Levels dB(A)	84.4	85.2	86.4	86.4	86.4	86.4	86.0	86.8	86.7	86.2	85.4	85.1	84.3	83.1	81.9	80.6	85.4		
	HKPSG Exceedances	14.4	15.2	16.4	16.4	16.4	16.4	16.0	16.8	16.7	16.2	15.4	15.1	14.3	13.1	11.9	10.6			
	16	= number of hours exceeded 70 dB(A)																		
	LV	2,048	2,295	1,840	1,950	1,832	1,898	1,801	1,967	2,035	2,146	2,463	2,604	2,756	2,300	2,193	2,086	2,058	2,401	2,113
	HV	855	749	1,217	1,301	1,421	1,230	1,170	1,223	1,327	1,279	941	1,007	683	451	462	364	832	999	998
	SPD	21.0	21.0	21.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	21	18	19
	total	2904	3044	3057	3251	3253	3128	2971	3189	3362	3425	3404	3611	3439	2751	2655	2450			
	% HV	29	25	40	40	44	39	38	38	39	37	28	28	20	16	17	15			
	BNL	77	77	77	77	77	77	77	77	77	78	78	78	78	77	76	75			
	% HV	4	3	5	5	6	5	5	5	5	5	4	3	3	3	3	3			
3641	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance	12	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	Average Level over 16 hr		
	Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5			
	Facade Noise Levels dB(A)	81.1	80.6	82.5	83.0	83.3	82.8	82.5	82.7	83.1	82.9	81.6	82.0	80.6	78.9	79.0	78.1	81.8		
	HKPSG Exceedances	11.1	10.6	12.5	13.0	13.3	12.6	12.5	12.7	13.1	12.9	11.8	12.0	10.5	8.9	9.0	8.1			
	16	= number of hours exceeded 70 dB(A)																		
	LV	3,437	3,354	3,329	3,361	2,164	1,984	1,927	2,042	2,553	3,414	2,671	3,508	2,896	2,049	2,512	2,392	2,984	2,875	2,659
	HV	956	1,108	1,319	1,564	1,943	1,694	1,670	2,041	1,937	1,625	1,336	1,421	1,271	823	509	475	1,081	1,264	1,407
	SPD	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36	36	36
	total	4393	4462	4648	4926	4107	3678	3497	4083	4490	5038	4007	4926	4168	2871	3021	2866			
	% HV	22	25	28	32	47	46	48	50	43	32	33	29	31	29	17	17			
	BNL	79	79	79	79	78	78	78	78	79	79	78	79	78	77	77	77			
	% HV	2	2	3	3	4	4	4	5	4	3	3	3	3	3	3	3			
3652	Gradient	6	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
	Distance	8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	Average Level over 16 hr		
	Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5			
	Facade Noise Levels dB(A)	78.1	79.0	79.2	79.1	79.2	79.0	79.3	79.1	79.2	79.3	78.9	78.7	78.5	77.7	77.0	76.3	78.7		
	HKPSG Exceedances	8.1	9.0	9.2	9.1	9.2	9.0	9.3	9.1	9.2	9.3	8.9	8.7	8.5	7.7	7.6	6.3			
	16	= number of hours exceeded 70 dB(A)																		
	LV	298	419	401	433	449	441	430	494	531	505	512	673	726	726					

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2016CTS-3(815100)MAIN MODEL RUN-V84 SCII PRAC NET MED Fleet Budget Toll New Bus

		Hour Start / 2-way Hourly Traffic Volume (veh.) or Speed (km/hr)																					Model Output		
Stn.		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	AM PM OP							
3683	LV	1,148	1,443	1,274	1,144	1,137	1,080	1,022	1,197	1,234	1,221	1,138	1,484	1,455	1,163	929	742	1,288	1,131	1,167					
	HV	897	1,005	1,150	1,313	1,295	1,186	1,110	1,256	1,376	1,270	1,097	1,026	728	507	354	246	1,008	1,075	958					
	SPD	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	19	19	19					
	total	1844	2448	2424	2458	2433	2266	2132	2455	2610	2492	2235	2520	2184	1670	1282	988								
	% HV	38	41	47	53	53	52	52	51	53	51	49	41	33	30	28	25								
	BNL	75	76	76	76	76	76	75	76	76	76	76	76	76	74	73	72								
	% HV	5	5	6	6	6	6	6	6	6	6	5	5	4	4	4	3								
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0								
	Distance	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1								
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1								
3702	LV	6,825	5,905	5,414	4,271	3,480	3,499	3,167	4,936	5,869	5,805	4,419	5,860	5,532	4,327	3,385	2,648	5,124	4,396	4,250					
	HV	1,416	1,189	1,464	1,519	1,614	1,372	1,687	1,957	1,831	1,819	1,532	1,460	1,131	868	568	511	1,145	1,504	1,392					
	SPD	77.0	77.0	77.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	77.0	77.0	77.0	80.0	80.0	80.0	77	77	80					
	total	8241	7094	6877	5790	5094	4571	4855	5895	5440	5825	5952	7320	6662	5195	4051	3159								
	% HV	17	17	21	26	32	30	35	33	34	32	26	20	17	17	16	16								
	BNL	81	81	81	80	79	79	79	80	80	80	80	81	80	79	78	77								
	% HV	3	3	4	5	5	5	6	5	5	5	4	4	3	4	4	4								
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0								
	Distance	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75								
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1								
3801	LV	3,820	4,244	4,253	4,245	3,879	4,208	3,868	4,330	4,417	4,125	4,195	4,862	5,072	4,421	4,846	5,119	4,118	4,135	4,437					
	HV	1,432	1,167	1,471	1,567	1,819	1,536	1,715	1,839	1,788	1,816	1,481	1,225	837	713	548	473	1,181	1,485	1,341					
	SPD	57.0	57.0	57.0	54.5	54.5	54.5	54.5	54.5	54.5	54.0	54.0	54.0	54.0	54.5	54.5	54.5	57	54	55					
	total	5252	5411	5724	5812	5699	5744	5583	6189	6205	5941	5676	6088	5909	5134	5394	5593								
	% HV	27	22	28	27	32	32	31	30	29	31	26	20	14	14	10	8								
	BNL	79	80	80	80	80	80	80	80	80	80	80	80	80	79	80	80								
	% HV	3	3	3	3	4	3	4	3	3	3	3	2	1	1	1	0								
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0								
	Distance	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21								
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1								
3802	LV	1,178	1,864	1,558	1,550	1,367	1,585	1,487	1,592	1,552	1,511	1,418	1,881	1,642	1,388	1,173	992	1,481	1,476	1,469					
	HV	531	769	907	1,122	1,110	997	1,053	1,031	1,009	1,089	896	811	522	438	388	309	745	873	811					
	SPD	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	56.5	56.5	56.5	56.5	57.3	57.3	57.3	57	57	57					
	total	1708	2433	2463	2672	2477	2581	2541	2623	2581	2601	2314	2691	2184	1826	1541	1301								
	% HV	31	32	37	42	45	39	41	39	39	42	39	30	24	24	24	24								
	BNL	75	75	76	76	76	76	76	76	76	76	76	76	76	75	74	73								
	% HV	4	4	4	5	5	4	5	4	5	4	4	3	3	3	3	3								
	Gradient	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9								
	Distance	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10								
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1								
3803	LV	2,072	4,165	3,181	2,593	2,691	2,642	2,576	2,958	3,180	3,091	3,940	4,196	4,347	4,351	4,355	4,360	3,913	4,108	3,253					
	HV	3,173	3,180	3,811	4,176	4,233	4,039	4,344	4,107	4,239	4,230	3,708	3,573	3,426	2,859	2,386	1,991	3,139	3,589	3,656					
	SPD	48.0	48.0	48.0	47.5	47.5	47.5	47.5	47.5	47.5	47.5	43.5	43.5	43.5	47.5	47.5	47.5	48	44	48					
	total	5245	7344	6992	6788	6925	6681	6920	7066	7419	7321	7648	7769	7773	7210	6742	6351								
	% HV	50	43	55	62	61	60	63	58	57	58	48	46	44	40	35	31								
	BNL	79	81	81	81	81	80	81	81	81	81	81	81	81	81	81	80								
	% HV	6	4	5	6	6	5	6	5	5	5	5	4	4	4	4	3								
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0								
	Distance	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21								
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1								
3804	LV	3,386	3,678	3,383	3,094	2,457	2,510	2,347	2,802	2,850	3,183	3,693	4,137	3,631	3,153	2,739	2,378	3,442	3,648	2,981					
	HV	2,250	2,240	3,138	3,908	3,717	3,858	3,551	4,041	3,990	3,720	2,872	2,455	1,886	1,442	1,103	844	2,269	2,744	2,899					
	SPD	57.5	57.5	57.5	55.0	55.0	55.0	55.0	55.0	55.0	54.0	54.0	54.0	54.0	55.0	55.0	55.0	58	54	55					
	total	5636	5916	6518	7002	6173	6366	5897	6843	6841	6903	6565	6592	5517	4596	3842	3222								
	% HV	40	38	48	56	60	61	60	59	58	54	44	37	34	31	29	26								
	BNL	80	80	80	81	80	80	80	81	81	81	80	80	80	79	78	77								
	% HV	5	4	5	6	6	6	6	6	6	6	5	4	4	4	3	3								
	Gradient	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6								
	Distance	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15								
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1								
	Angle	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160								
	Facade Noise Levels dB(A)	85.7	85.7	87.0	87.7	87.4	87.6	87.2	87.8	87.7	87.4	86.5	86.0	84.9											

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2016CTS-3(815100)MAIN MODEL RUN-V84 SCII PRAC NET MED Fleet Budget Toll New Bus

Hour Start / 2-way Hourly Traffic Volume (veh.) or Speed (km/hr)																		Model Output				
Stn.		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	AM	PM	OP		
3806	LV	2,719	3,238	2,972	2,749	2,733	2,554	2,456	2,876	2,965	2,999	3,054	3,763	3,497	2,793	2,231	1,782	2,891	3,038	2,804		
	HV	1,542	2,023	2,487	2,996	2,955	2,705	2,532	2,869	3,138	2,835	2,270	2,237	1,661	1,157	807	562	2,029	2,224	2,185		
	SPD	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	65.0	65.0	65.0	65.0	67.0	67.0	67.0	67	65	67		
	total	4,261	5,261	5,439	5,745	5,688	5,299	4,988	5,745	6,103	5,834	5,325	6,000	5,158	3,951	3,038	2,344					
	% HV	36	38	45	52	51	51	50	51	51	49	43	37	32	29	27	24					
	BNL	78	79	80	80	80	79	79	80	80	80	79	80	79	78	77	76					
	% HV	5	5	6	6	6	6	6	6	6	5	5	4	4	4	4	4					
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
	Distance	20	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2				
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0				
Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr				
Facade Noise Levels dB(A)		61.9	63.0	63.7	64.4	64.3	64.0	63.7	64.3	64.6	64.1	63.3	63.4	62.2	60.9	59.5	58.1					
HKPSG Exceedances		11.9	13.0	13.7	14.4	14.3	14.0	13.7	14.3	14.6	14.1	13.3	13.4	12.2	10.9	9.5	8.1					
		16 = number of hours exceeded 70 dB(A)																				
3807	LV	2,221	2,478	2,186	1,858	1,622	1,976	1,728	2,134	1,879	2,006	2,570	3,006	2,700	2,133	1,665	1,331	2,328	2,552	2,014		
	HV	1,107	949	1,334	1,774	1,917	1,746	1,844	1,881	1,650	1,669	1,253	991	731	525	377	271	1,005	1,204	1,292		
	SPD	21.0	21.0	21.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	21	13	16		
	total	3,328	3,427	3,520	3,631	3,739	3,721	3,573	4,015	3,530	3,675	3,822	3,996	3,431	2,658	2,062	1,602					
	% HV	33	28	38	49	51	47	52	47	45	33	25	21	20	18	17						
	BNL	77	76	78	78	78	78	78	78	78	78	78	78	78	76	75	74					
	% HV	4	4	5	6	6	6	6	6	6	5	3	3	3	2	2						
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
	Distance	20	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2					
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0				
Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr				
Facade Noise Levels dB(A)		60.3	59.8	61.1	62.5	62.8	62.4	62.6	62.7	62.2	62.2	61.1	60.2	59.0	57.6	56.3	54.9					
HKPSG Exceedances		10.3	9.8	11.1	12.5	12.8	12.4	12.5	12.7	12.2	12.2	11.1	10.2	9.0	7.6	6.3	4.9					
		16 = number of hours exceeded 70 dB(A)																				
3814	LV	1,929	1,647	1,754	1,733	1,700	1,843	1,612	1,991	1,754	1,807	2,042	2,607	2,519	1,990	1,572	1,242	1,547	2,028	1,879		
	HV	646	492	753	1,065	1,151	1,048	1,108	1,130	991	987	702	576	439	315	226	163	521	675	775		
	SPD	23.5	23.5	23.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	24	21	21		
	total	2,575	2,139	2,507	2,799	2,851	2,892	2,720	3,121	2,745	2,794	2,744	3,183	2,958	2,306	1,799	1,405					
	% HV	25	23	30	38	40	36	41	36	36	35	26	18	15	14	13	12					
	BNL	76	76	76	77	77	77	77	77	77	77	77	77	77	76	75	74					
	% HV	3	3	4	5	5	5	5	5	5	5	3	2	1	1	1	1					
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
	Distance	12	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1					
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0				
Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr				
Facade Noise Levels dB(A)		79.5	78.4	80.1	82.0	82.3	82.0	82.2	82.3	81.7	81.7	80.4	79.8	78.8	77.4	76.1	74.7					
HKPSG Exceedances		9.5	8.4	10.1	12.0	12.3	12.0	12.2	12.3	11.7	11.7	10.4	9.8	8.8	7.4	6.1	4.7					
		16 = number of hours exceeded 70 dB(A)																				
3816	LV	2,059	2,587	2,687	2,510	2,567	2,480	2,474	2,697	2,732	2,720	2,613	2,812	2,964	2,664	2,687	2,725	2,511	2,634	2,638		
	HV	733	1,021	1,077	1,286	1,201	1,278	1,172	1,119	1,150	1,134	1,033	1,132	1,027	827	720	666	958	1,036	1,047		
	SPD	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	16	15	15		
	total	2,792	3,608	3,764	3,796	3,767	3,758	3,645	3,815	3,882	3,854	3,646	3,945	3,992	3,491	3,407	3,391					
	% HV	26	28	29	34	32	34	32	29	30	29	28	29	26	24	21	20					
	BNL	77	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78					
	% HV	4	4	4	5	4	5	4	4	4	4	4	4	4	3	3	3					
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
	Distance	5	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2					
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0				
Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr				
Facade Noise Levels dB(A)		83.3	84.7	84.9	85.6	85.4	85.6	85.2	85.1	85.2	85.1	84.8	85.2	84.8	83.9	83.4	83.1					
HKPSG Exceedances		13.3	14.7	14.9	15.6	15.4	15.6	15.2	15.1	15.2	15.1	14.8	15.2	14.8	13.9	13.4	13.1					
		16 = number of hours exceeded 70 dB(A)																				
3818	LV	590	1,134	1,316	1,087	1,080	1,154	1,056	1,208	1,166	1,041	1,101	1,335	1,489	1,310	1,278	1,188	1,034	1,099	1,184		
	HV	510	905	965	1,041	1,011	962	863	1,026	1,129	1,039	874	838	593	494	399	372	882	888	794		
	SPD	24.0	24.0	24.0	24.5	24.5	24.5	24.5	24.5	24.5	24.0	24.0	24.0	24.0	24.5	24.5	24.5	24	24	25		
	total	1,100	2,039	2,281	2,128	2,092	2,116	1,918	2,235	2,296	2,080	1,976	2,173	2,082	1,804	1,677	1,560					
	% HV	46	44	42	49	48	45	45	46	49	50	44	39	28	27	24	24					
	BNL	73	75	76	75	75	75	75	76	76	75	75	76	75	75	74	74					
	% HV	5	5	5	5	5	5	5	5	5	5	5	4	3	3	3	3					
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
	Distance	12	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1					
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0				
Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr				
Facade Noise Levels dB(A)		78.1	80.6	80.9	81.1	81.0	80.8	80.3	81.1	81.5	81.2	80.5	80.4	79.0	78.2	77.4	77.1					
HKPSG Exceedances		8.1	10.6	10.9	11.1	11.0	10.8	10.3	11.1	11.5	11.2	10.5	10.4	9.0	8.2	7.4	7.1					
		16 = number of hours exceeded 70 dB(A)																				
3820	LV	822	1,358	1,169	1,128	1,171	1,149	1,121	1,287	1,383	1,239	1,258	1,555	1,891	1,893	1,895	1,896	1,274	1,312	1,415		
	HV	823	891	1,012	1,061	1,076	1,026	1,104	1,044	1,077	1,091	1,005	936	870	726	506	506	880	973	929		
	SPD	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	22.0	22.0	22.0	22.0	21.5	21.5	21.5	22	22	22		
	total	1,645	2,247	2,181	2,189	2,246	2,176	2,224	2,331	2,460	2,330	2,264	2,491	2,761	2,619	2,501	2,402					
	% HV	50	40	46	48	48	47	50	45	44	47	44	38	32	28	24	21					
	BNL	74	76	76	76	76	76	76	76	76	76	76	76	76	77	76	76					
	% HV	6	5	6	6	6	6	6	5	5	5	5	5	4	4	3	3					
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
	Distance	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0				
Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr				
Facade Noise Levels dB(A)		81.2	81.6	82.1	82.3	82.4	82.2	82.5	82.3	82.4</												

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2016CTS-3(815100)MAIN MODEL RUN-V84 SCII PRAC NET MED Fleet Budget Toll New Bus

Stn.		Hour Start / 2-Hourly Traffic Volume (veh.) or Speed (km/hr)																Model Output		
		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	AM	PM	OP
3828	LV	1,394	2,045	2,019	1,777	1,832	1,700	1,795	1,847	2,045	1,840	1,340	1,897	2,133	1,702	1,358	1,084	1,982	1,430	1,731
	HV	694	794	1,111	1,170	1,173	1,175	1,047	1,287	1,228	1,097	943	846	681	510	382	286	819	923	910
	SPD	20.0	20.0	20.0	21.0	21.0	21.0	21.0	21.0	21.0	22.0	22.0	22.0	22.0	22.0	21.0	21.0	19	22	21
	total	2088	2839	3130	2947	2805	2875	2843	3134	3273	2937	2283	2743	2814	2212	1740	1370			
	% HV	33	28	36	40	42	41	37	41	38	37	41	31	24	23	22	21			
	BNL	75	77	77	77	77	77	77	77	77	77	76	77	77	76	75	74			
	% HV	5	4	5	5	5	5	5	5	5	5	5	4	3	3	3	3			
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
3829	Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr		
	Facade Noise Levels dB(A)	80.9	81.6	83.0	82.9	82.9	82.9	82.5	83.3	83.1	82.5	81.8	81.4	80.8	79.6	78.4	77.2	81.8		
	HKPSG Exceedances	10.9	11.6	13.0	12.9	12.9	12.9	12.5	13.3	13.1	12.5	11.8	11.4	10.6	9.8	8.4	7.2			
	16	= number of hours exceeded 70 dB(A)																		
	LV	1,895	2,546	2,654	2,488	2,286	2,380	2,514	2,587	2,864	2,708	2,358	2,945	2,986	2,383	1,902	1,518	2,468	2,518	2,424
	HV	1,016	1,211	1,647	1,593	1,697	1,701	1,518	1,863	1,777	1,580	1,336	1,211	986	738	553	414	1,249	1,308	1,317
	SPD	20.0	20.0	20.0	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20	21	21
	total	2911	3757	4310	4181	3983	4081	4030	4450	4641	4286	3694	4156	3972	3121	2454	1932			
	% HV	35	32	38	40	43	42	38	42	38	37	36	29	25	24	23	21			
	BNL	77	78	79	78	78	78	78	79	79	78	78	78	78	77	76	75			
3830	% HV	5	4	5	5	5	5	5	5	5	5	4	3	3	3	3	3			
	Gradient	0	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
	Distance	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
	Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr		
	Facade Noise Levels dB(A)	84.4	85.2	86.4	86.4	86.4	86.4	86.0	86.8	86.7	86.2	85.4	85.1	84.3	83.1	81.9	80.6	85.4		
	HKPSG Exceedances	14.4	15.2	16.4	16.4	16.4	16.4	16.0	16.8	16.7	16.2	15.4	15.1	14.3	13.1	11.9	10.6			
	16	= number of hours exceeded 70 dB(A)																		
	LV	2,030	2,273	1,823	1,933	1,817	1,882	1,786	1,950	2,017	2,130	2,455	2,588	2,733	2,280	2,175	2,069	2,038	2,393	2,095
	HV	810	698	1,148	1,237	1,351	1,169	1,113	1,163	1,262	1,215	893	956	649	429	439	348	776	948	949
3843	SPD	21.0	21.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	21	18	19
	total	2841	2971	2971	3171	3168	3052	2898	3112	3279	3346	3348	3544	3382	2709	2614	2415			
	% HV	29	23	39	39	43	38	38	37	38	38	27	19	16	17	14				
	BNL	77	77	77	77	77	77	77	77	77	77	77	78	77	77	76	76			
	% HV	4	3	5	5	6	5	5	5	5	5	4	4	3	2	2	1			
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance	12	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
	Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr		
	Facade Noise Levels dB(A)	80.9	80.3	82.2	82.8	83.1	82.5	82.3	82.5	82.9	82.7	81.6	81.8	80.4	78.7	78.8	77.9	81.6		
3844	HKPSG Exceedances	10.9	10.3	12.2	12.8	13.1	12.5	12.3	12.5	12.9	12.7	11.6	11.8	10.4	8.7	8.8	7.9			
	16	= number of hours exceeded 70 dB(A)																		
	LV	1,041	1,280	1,348	1,277	1,308	1,262	1,259	1,372	1,390	1,388	1,347	1,440	1,509	1,356	1,368	1,387	1,242	1,358	1,343
	HV	700	984	1,031	1,225	1,143	1,217	1,116	1,065	1,095	1,076	968	1,071	978	788	666	634	923	971	997
	SPD	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20	19	19
	total	1741	2263	2380	2502	2450	2479	2375	2438	2485	2465	2315	2510	2487	2143	2053	2021			
	% HV	40	43	43	49	47	49	47	44	44	44	42	43	39	37	33	31			
	BNL	75	76	76	76	76	76	76	76	76	76	76	76	76	76	75	75			
	% HV	5	6	6	6	6	6	6	6	6	6	5	6	5	5	5	4			
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
3854	Distance	5	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
	Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr		
	Facade Noise Levels dB(A)	82.9	84.4	84.6	85.3	85.0	85.2	84.9	84.7	84.8	84.7	84.3	84.7	84.4	83.5	82.9	82.8	84.4		
	HKPSG Exceedances	12.9	14.4	14.6	15.3	15.0	15.2	14.9	14.7	14.8	14.7	14.3	14.7	14.4	13.5	12.9	12.6			
	16	= number of hours exceeded 70 dB(A)																		
	LV	2,787	2,309	2,595	2,811	1,810	1,660	1,528	1,708	2,135	2,808	2,067	2,632	2,422	1,713	2,101	2,000	2,054	2,225	2,224
	HV	795	1,186	1,190	1,202	1,493	1,301	1,283	1,568	1,488	1,307	1,287	1,204	977	632	381	365	1,157	1,218	1,081
	SPD	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20	19	19
	total	3582	3495	3785	4013	3303	2961	2811	3276	3623	4115	3355	4036	3399	2346	2492	2385			
	% HV	22	34	31	30	45	44	46	48	41	32	38	30	29	27	16	15			
	BNL	78	78	78	78	77	77	77	77	78	78	77	78	78	78	76	76			
	% HV	3	5	4	4	6	6	6	6	5	4	5	4	4	4	2	2			
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
3893	Distance	8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
	Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr		
	Facade Noise Levels dB(A)	82.5	84.0	84.0	84.1	84.8	84.3	84.2	85.0	84.9	84.4	84.3	84.1	83.2	81.3	79.6	79.4	83.7		
	HKPSG Exceedances	12.5	14.0	14.0	14.1	14.8	14.3	14.2	15.0	14.9	14.4	14.3	14.1	13.2	11.3	9.6	8.4			
	16	= number of hours exceeded 70 dB(A)																		
	LV	1,517																		

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2016CTS-3(815100)MAIN MODEL RUN-V84 SCII PRAC NET MED Fleet Budget Toll New Bus

		Hour Start / 2-way Hourly Traffic Volume (veh.) or Speed (km/hr)																					Model Output		
Stn.		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22					AM	PM	OP	
4002	LV	1,055	1,584	1,419	1,366	1,205	1,397	1,311	1,404	1,368	1,328	1,229	1,646	1,447	1,224	1,034	874					1,409	1,280	1,295	
	HV	474	686	810	1,002	992	891	941	921	901	972	796	722	467	392	329	276					664	775	724	
	SPD	61.5	61.5	61.5	63.2	63.2	63.2	63.2	63.2	63.2	62.2	62.2	62.2	62.2	63.2	63.2	63.2					62	62	63	
	total	1529	2270	2229	2369	2197	2288	2252	2325	2270	2300	2025	2368	1914	1815	1363	1150								
	% HV	31	30	36	42	45	39	42	40	40	42	39	31	24	24	24	24								
	BNL	74	76	76	76	76	76	76	76	76	76	75	76	75	74	74	73								
	% HV	4	4	4	5	5	5	5	5	5	5	5	4	3	3	3	3								
	Gradient	3	Gradient	1	1	1	1	1	1	1	1	1	1	1	1	1	1								
	Distance	10	Distance	0	0	0	0	0	0	0	0	0	0	0	0	0	0								
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0					Average Level over 16 hr			
4003	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5					81.7			
	Facade Noise Levels dB(A)	79.9	81.6	82.1	82.9	82.8	82.5	82.7	82.6	82.5	82.7	81.9	81.8	80.2	79.5	78.8	78.0								
	HKPSG Exceedances	9.9	11.8	12.1	12.9	12.8	12.5	12.7	12.6	12.5	12.7	11.9	11.8	10.2	9.5	8.8	8.0								
	16	= number of hours exceeded 70 dB(A)																							
	LV	4,020	4,514	4,043	3,809	2,452	2,249	2,071	2,314	2,893	4,070	3,744	4,404	3,282	2,321	2,846	2,710					4,016	4,029	3,013	
	HV	2,075	2,504	2,897	3,358	4,170	3,635	3,584	4,381	4,158	3,542	3,113	3,155	2,729	1,766	1,093	1,019					2,443	2,945	3,020	
	SPD	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	51.5	51.5	51.5	51.5	51.5	54.0	54.0	54.0					54	52	54	
	total	6095	7018	6941	7166	6622	5884	5655	6695	7050	7612	6857	7559	6011	4067	3938	3729								
	% HV	34	36	42	47	63	62	63	65	59	47	45	42	45	43	28	27								
	BNL	80	81	81	81	80	80	80	80	81	81	81	81	80	78	78	78								
	% HV	4	4	5	5	6	6	6	6	5	5	5	4	5	5	3	3								
	Gradient	6	Gradient	2	2	2	2	2	2	2	2	2	2	2	2	2	2								
	Distance	25	Distance	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3								
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0					Average Level over 16 hr			
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5					84.6			
	Facade Noise Levels dB(A)	83.4	84.2	84.7	85.2	86.0	85.4	85.3	86.1	86.0	85.3	84.8	84.9	84.2	82.5	80.9	80.6								
	HKPSG Exceedances	13.4	14.2	14.7	15.2	16.0	15.4	15.3	16.1	16.0	15.3	14.8	14.9	14.2	12.5	10.9	10.8								
	16	= number of hours exceeded 70 dB(A)																							
4011	LV	1,016	1,386	1,329	1,350	1,191	1,380	1,295	1,386	1,351	1,309	1,203	1,618	1,429	1,208	1,022	864					1,233	1,252	1,279	
	HV	256	382	441	536	530	476	503	492	482	508	384	368	249	209	176	147					370	374	387	
	SPD	40.5	40.5	40.5	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0					41	40	40	
	total	1272	1768	1770	1885	1720	1856	1798	1878	1833	1817	1587	1987	1679	1418	1197	1011								
	% HV	20	22	25	28	31	26	28	26	26	28	24	19	15	15	15	15								
	BNL	73	75	75	75	75	75	75	75	75	75	74	75	74	74	73	72								
	% HV	2	2	2	3	3	2	3	2	2	3	2	1	1	1	1	1								
	Gradient	3	Gradient	1	1	1	1	1	1	1	1	1	1	1	1	1	1								
	Distance	10	Distance	0	0	0	0	0	0	0	0	0	0	0	0	0	0								
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0					Average Level over 16 hr			
4012	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5					78.3			
	Facade Noise Levels dB(A)	76.7	78.3	78.8	79.5	79.4	79.1	79.2	79.2	79.1	79.3	78.2	78.4	77.0	76.2	75.5	74.7								
	HKPSG Exceedances	6.7	8.3	8.8	9.5	9.4	9.1	9.2	9.2	9.1	9.3	8.2	8.4	7.0	6.2	5.5	4.7								
	16	= number of hours exceeded 70 dB(A)																							
	LV	1,953	1,892	1,840	1,701	1,668	1,809	1,582	1,954	1,721	1,830	2,317	2,732	2,472	1,953	1,543	1,219					1,777	2,301	1,844	
	HV	740	521	846	1,241	1,341	1,221	1,291	1,316	1,155	1,129	751	646	511	367	264	189					552	722	904	
	SPD	42.0	42.0	42.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	38.5	38.5	38.5	37.0	37.0	37.0					42	39	37	
	total	2693	2413	2685	2942	3010	3030	2873	3270	2875	2959	3068	3378	2984	2320	1807	1408								
	% HV	27	22	31	42	45	40	45	40	38	24	19	17	16	15	13	13								
	BNL	77	76	76	77	77	77	77	77	77	77	77	77	77	76	75	74								
	% HV	3	2	3	4	4	4	4	4	4	4	2	1	1	1	1	1								
	Gradient	0	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0								
	Distance	12	Distance	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1								
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0					Average Level over 16 hr			
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5					79.8			
	Facade Noise Levels dB(A)	79.5	78.2	79.9	81.3	81.6	81.3	81.4	81.6	81.0	81.0	79.6	79.2	78.3	77.0	75.7	74.3								
	HKPSG Exceedances	9.5	8.2	9.9	11.3	11.6	11.3	11.4	11.6	11.0	11.0	9.6	9.2	8.3	7.0	5.7	4.3								
	16	= number of hours exceeded 70 dB(A)																							

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2016CTS-3(815100)MAIN MODEL RUN-V84 SCII PRAC NET MED Fleet Budget Toll New Bus

Str.		Hour Start / 2-way Hourly Traffic Volume (veh.) or Speed (km/hr)																		Model Output		
		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	AM	PM	OP		
4018	LV	919	1,460	1,289	1,279	1,328	1,304	1,271	1,460	1,569	1,391	1,365	1,727	2,145	2,147	2,149	2,151	1,372	1,423	1,605		
	HV	822	845	995	1,075	1,090	1,040	1,118	1,057	1,091	1,098	993	937	882	736	814	513	834	961	941		
	SPD	24.0	24.0	24.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	24	23	23		
	total	1741	2305	2284	2354	2417	2343	2389	2517	2660	2489	2358	2663	3027	2883	2763	2664					
	% HV	47	37	44	46	45	44	47	42	41	44	42	35	29	26	22	19					
	BNL	75	76	76	76	76	76	76	76	76	76	76	76	76	77	77	76					
	% HV	5	4	5	5	5	5	5	5	5	5	5	4	3	3	2	2					
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
	Distance	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10					
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
4024	LV	1,380	2,021	1,998	1,750	1,517	1,584	1,779	1,830	2,026	1,824	1,334	1,883	2,113	1,686	1,346	1,074	1,959	1,423	1,715		
	HV	656	742	1,046	1,108	1,111	1,113	992	1,219	1,163	1,038	887	799	645	483	362	271	765	869	862		
	SPD	25.0	25.0	25.0	26.0	28.0	26.0	26.0	28.0	26.0	27.0	27.0	27.0	27.0	27.0	26.0	26.0	25	27	26		
	total	2036	2763	3044	2869	2728	2797	2771	3049	3189	2862	2221	2682	2758	2169	1707	1345					
	% HV	32	27	34	39	41	40	36	40	36	36	40	30	23	22	21	20					
	BNL	75	77	77	77	77	77	77	77	77	77	77	76	76	76	75	73					
	% HV	4	3	4	4	4	4	4	4	4	4	4	3	2	2	2	2					
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
	Distance	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10					
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
4026	LV	1,418	1,473	1,243	1,375	1,292	1,339	1,270	1,387	1,435	1,519	1,766	1,851	1,944	1,822	1,547	1,471	1,321	1,721	1,490		
	HV	581	531	837	873	954	826	785	821	891	858	830	675	458	303	310	244	590	669	670		
	SPD	24.0	24.0	24.0	23.0	23.0	23.0	23.0	23.0	23.0	22.0	22.0	22.0	22.0	23.0	23.0	23.0	24	22	23		
	total	1997	2004	2081	2249	2246	2164	2056	2208	2326	2377	2396	2526	2402	1925	1857	1716					
	% HV	29	26	40	39	42	38	38	37	38	36	26	27	19	16	17	14					
	BNL	75	75	75	76	76	76	75	76	76	76	76	76	76	75	75	75					
	% HV	3	3	5	5	5	5	5	4	5	4	3	3	2	1	1	1					
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
	Distance	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12					
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
4028	LV	549	579	522	403	356	404	370	388	391	398	471	505	572	468	382	312	526	456	428		
	HV	380	309	364	312	327	315	328	322	381	337	344	302	288	204	145	103	314	321	292		
	SPD	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49	49	49		
	total	929	888	886	716	683	719	697	708	772	736	815	807	860	672	527	415					
	% HV	41	35	41	44	48	44	47	45	49	46	42	37	33	30	27	25					
	BNL	72	72	72	71	71	71	71	71	71	71	71	71	71	72	70	69					
	% HV	4	4	4	4	5	4	5	5	5	5	4	4	4	3	3	3					
	Gradient	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3					
	Distance	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10					
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
4054	LV	2,713	2,322	2,545	2,720	1,752	1,606	1,479	1,653	2,066	2,740	2,080	2,788	2,344	1,658	2,033	1,936	2,066	2,239	2,152		
	HV	928	1,369	1,383	1,408	1,748	1,524	1,503	1,837	1,743	1,517	1,450	1,385	1,144	740	458	427	1,338	1,372	1,266		
	SPD	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	18	19	18		
	total	3640	3692	3928	4128	3500	3130	2982	3489	3809	4257	3531	4173	3488	2398	2491	2363					
	% HV	25	37	35	34	50	49	50	53	46	36	41	33	33	31	18	18					
	BNL	78	78	78	78	77	77	77	78	78	78	78	78	78	76	76	76					
	% HV	4	5	5	5	6	6	6	6	6	5	5	5	5	4	2	2					
	Gradient	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3					
	Distance	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8					
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
4201	LV	1,474	1,428	936	874	794	755	841	916	995	986	1,198	1,458	1,294	1,150	1,022	909	1,213	1,204	1,024		
	HV	265	373	388	406	379	340	385	404	384	372	317	313	286	214	160	119	359	315	314		
	SPD	43.0	43.0	43.0	43.5	43.5	43.5	43.5	43.5	43.5	42.5	42.5	42.5	42.5	42.5	43.5	43.5	43	43	44		
	total	1739	1800	1324	1280	1174	1095	1226	1320	1378	1358	1516	1772	1580	1364	1182	1028					
	% HV	15	21	29	32	32	31	31	31	28	27	21	18	18	16	14	12					
	BNL	75	75	73	73	73	73	73	73	74	74	74	74	74	74	73	72					
	% HV	1	2	3	3	3	3	3	3	3	3	2	1	1	1	1	0					
	Gradient	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9					
	Distance	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12					
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2016CTS-3(815100)MAIN MODEL RUN-V84 SCII PRAC NET MED Fleet Budget Toll New Bus

[illegible]

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2016CTS-3(815100)MAIN MODEL RUN-V84 SCII PRAC NET MED Fleet Budget Toll New Bus

Stn.		Hour Start / 2-way Hourly Traffic Volume (veh.) or Speed (km/hr)																Model Output		
		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	AM	PM	OP
4214	LV	4,374	4,106	4,083	3,842	3,768	4,086	3,574	4,414	3,887	4,023	4,618	5,829	5,585	4,412	3,485	2,753	3,857	4,587	4,185
	HV	1,601	1,355	1,922	2,574	2,782	2,533	2,677	2,729	2,395	2,451	1,914	1,473	1,050	782	547	393	1,435	1,839	1,875
	SPD	56.0	56.0	56.0	54.3	54.3	54.3	54.3	54.3	54.3	53.0	53.0	53.0	53.0	54.3	54.3	54.3	56	53	54
	total	5975	5460	6005	6416	6550	6619	6251	7143	6282	6474	6532	7302	6645	5173	4032	3146			
	% HV	27	25	32	40	42	38	43	38	38	38	29	20	16	15	14	12			
	BNL	80	80	80	80	80	80	80	80	80	80	80	80	80	80	78	77			
	% HV	3	3	4	4	5	4	5	4	4	4	3	2	2	1	1	1			
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12			
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
4217	LV	3,140	3,215	2,962	2,324	2,051	2,329	2,731	2,227	2,252	2,278	2,617	2,850	3,299	2,697	2,204	1,802	2,920	2,531	2,468
	HV	1,458	1,143	1,382	1,210	1,266	1,220	1,270	1,246	1,477	1,293	1,270	1,144	1,114	790	561	398	1,161	1,185	1,131
	SPD	32.0	32.0	32.0	36.5	36.5	36.5	36.5	36.5	36.5	35.5	35.5	35.5	35.5	36.5	36.5	36.5	32	36	37
	total	4598	4358	4343	3535	3318	3549	3401	3473	3730	3571	3886	4004	4413	3487	2765	2200			
	% HV	32	28	32	34	38	34	37	36	40	36	33	29	25	23	20	18			
	BNL	79	79	79	78	77	78	78	78	78	78	78	78	79	78	77	76			
	% HV	3	2	3	3	4	3	4	3	4	3	3	2	2	2	1	1			
	Gradient	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8			
	Distance	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10			
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
5001	LV	3,660	3,489	2,442	2,175	1,944	2,140	1,927	1,877	1,966	2,492	2,778	4,322	3,859	3,077	2,454	1,956	3,097	2,886	2,567
	HV	1,900	2,488	3,089	3,292	3,431	2,838	3,061	3,649	3,809	3,555	2,575	2,530	2,043	1,434	1,006	706	2,464	2,561	2,617
	SPD	24.0	24.0	24.0	29.0	29.0	29.0	29.0	29.0	29.0	24.5	24.5	24.5	24.5	29.0	29.0	29.0	24	25	29
	total	5560	5977	5531	5467	5375	4977	4988	5526	5775	6047	5453	6852	5903	4511	3459	2662			
	% HV	34	42	56	60	64	57	61	66	66	59	49	37	35	32	29	27			
	BNL	80	80	80	80	80	79	79	80	80	80	80	80	81	80	79	78			
	% HV	4	5	6	6	6	5	6	6	6	5	4	4	4	3	3	3			
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50			
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
5002	LV	3,982	3,116	2,420	2,160	2,164	2,081	2,076	2,363	2,147	2,510	2,608	3,856	3,443	2,543	1,878	1,387	2,826	2,812	2,482
	HV	1,292	1,356	1,630	1,982	1,937	1,688	1,658	1,843	2,100	1,915	1,801	1,648	1,566	977	609	380	1,346	1,583	1,524
	SPD	85.7	65.7	65.7	65.0	65.0	65.0	65.0	65.0	65.0	64.7	64.7	64.7	64.7	65.0	65.0	65.0	66	65	65
	total	5274	4472	4050	4142	4101	3769	3735	4206	4247	4425	4209	5303	5010	3520	2487	1767			
	% HV	24	30	40	48	47	45	44	44	49	43	38	31	31	28	24	21			
	BNL	79	79	78	78	78	78	78	78	78	78	78	79	78	79	78	76			
	% HV	4	4	5	6	6	5	5	5	6	5	5	4	4	4	4	3			
	Gradient	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3			
	Distance	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50			
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
5003	LV	3,892	3,537	2,675	2,428	2,408	2,387	2,408	2,396	2,629	2,622	3,277	4,163	3,506	2,750	2,157	1,692	3,213	3,209	2,695
	HV	1,378	1,515	1,776	2,680	2,573	2,074	2,045	2,132	2,035	1,941	1,990	1,736	1,562	1,233	973	768	1,471	1,883	1,803
	SPD	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	79.0	79.0	79.0	79.0	80.5	80.5	80.5	81	79	81
	total	5269	5051	4451	5107	4981	4460	4453	4528	4664	4563	5267	5898	5068	3983	3130	2460			
	% HV	26	30	40	52	52	46	46	47	44	43	38	29	31	31	31	31			
	BNL	79	79	79	79	79	79	79	79	79	79	79	80	79	78	77	76			
	% HV	5	5	6	7	7	6	6	6	6	6	5	5	5	5	5	5			
	Gradient	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3			
	Distance	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43			
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
5005	LV	1,194	1,277	836	638	537	573	512	607	606	623	918	1,161	1,100	1,009	926	850	1,109	929	784
	HV	296	290	260	276	257	220	207	182	218	231	299	230	172	133	103	80	277	284	198
	SPD	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50	50	50
	total	1490	1567	1096	914	794	794	719	789	824	854	1217	1390	1272	1143	1030	930			
	% HV	20	19	24	30	32	28	29	23	26	27	25	17	14	12	10	9			
	BNL	74	74	73	72	71	71	71	71	71	71	72	73	74	73	72	72			
	% HV	2	2	2	3	3	3	3	2	3	3	3	3	3	3	3	3			
	Gradient	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3			
	Distance	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12			
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2016CTS-3(815100)MAIN MODEL RUN-V84 SCII PRAC NET MED Fleet Budget Toll New Bus

		Hour Start / 2-way Hourly Traffic Volume (veh.) or Speed (km/hr)																						Model Output		
Stn.		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	AM		PM		OP				
5012	LV	5,099	4,592	3,505	3,467	2,956	2,923	3,253	3,313	3,550	4,198	4,672	5,683	5,750	4,590	3,664	2,925	4,046	4,556	3,927						
	HV	2,937	3,564	4,202	4,307	4,489	4,083	4,204	5,354	5,038	4,578	3,809	3,647	2,929	2,323	1,843	1,462	3,429	3,738	3,698						
	SPD	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	53	54	53						
	total	8037	8157	7708	7775	7445	7006	7457	8666	8588	8774	8480	9330	8679	6913	5507	4387									
	% HV	37	44	55	55	60	58	56	62	59	52	45	39	34	34	33	33									
	BNL	81	81	81	81	81	81	81	82	82	82	81	82	82	81	80	79									
	% HV	4	5	6	6	6	6	6	6	5	5	4	4	4	4	4	4									
	Gradient	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6									
	Distance	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50									
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
5016	LV	1,359	1,356	1,216	1,077	1,031	1,055	817	1,008	1,113	1,048	1,324	1,368	1,279	990	1,002	939	1,329	1,245	1,086						
	HV	1,908	2,054	2,755	3,257	2,996	2,265	2,954	3,188	3,126	3,048	2,297	2,483	1,854	1,336	964	663	2,035	2,311	2,364						
	SPD	64.0	64.0	64.0	59.0	59.0	59.0	59.0	59.0	59.0	58.5	58.5	58.5	58.5	58.5	59.0	59.0	64	59	59						
	total	3267	3509	3971	4334	4027	3320	3771	4197	4239	4097	3621	3848	3133	2326	1966	1602									
	% HV	58	59	69	75	74	68	78	76	74	74	63	65	59	57	49	41									
	BNL	77	78	78	79	78	77	78	78	78	78	78	78	77	75	75	74									
	% HV	6	6	7	7	7	7	7	7	7	7	6	6	6	6	5	5									
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
	Distance	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12									
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
5018	LV	1,543	1,592	1,222	858	711	729	773	739	782	881	976	1,366	1,080	913	772	653	1,422	996	907						
	HV	1,309	1,196	1,373	1,634	1,520	1,328	1,352	1,500	1,486	1,440	1,073	1,159	865	625	451	326	1,164	1,057	1,180						
	SPD	24.0	24.0	24.0	24.5	24.5	24.5	24.5	24.5	24.5	25.5	25.5	25.5	25.5	24.5	24.5	24.5	24	25	25						
	total	2852	2788	2595	2492	2231	2057	2125	2239	2247	2320	2049	2525	1945	1538	1223	979									
	% HV	46	43	53	66	68	65	64	67	66	62	52	46	44	41	37	33									
	BNL	77	77	76	76	76	75	75	76	76	76	75	76	75	74	73	72									
	% HV	5	5	6	6	6	6	6	6	6	6	5	5	5	5	4	4									
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
	Distance	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8									
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
5019	LV	1,855	1,929	1,915	1,672	1,422	1,691	1,761	1,428	1,715	1,965	1,710	2,060	2,286	1,943	1,866	1,429	1,848	1,704	1,777						
	HV	1,855	2,144	2,641	2,932	3,116	2,740	3,073	2,962	2,770	2,918	2,616	2,414	1,580	1,405	1,250	1,112	2,076	2,491	2,363						
	SPD	39.0	39.0	39.0	32.5	32.5	32.5	32.5	32.5	32.5	28.5	28.5	28.5	28.5	32.5	32.5	32.5	39	29	33						
	total	3710	4073	4557	4604	4539	4431	4835	4390	4486	4883	4326	4474	3846	3349	2917	2541									
	% HV	50	53	58	64	69	62	64	67	62	60	60	54	41	42	43	44									
	BNL	78	78	79	79	79	79	79	79	79	79	79	79	78	77	77	76									
	% HV	5	5	5	6	6	6	6	6	6	6	5	4	4	4	4	4									
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
	Distance	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5									
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
5025	LV	3,349	3,135	2,222	2,000	1,788	1,968	1,772	1,728	1,808	2,403	3,202	4,393	3,550	2,830	2,257	1,799	2,783	3,326	2,361						
	HV	3,544	4,346	5,650	6,249	6,512	5,386	5,809	6,926	7,230	6,798	5,269	4,881	3,878	2,721	1,909	1,340	4,304	5,045	4,967						
	SPD	69.0	69.0	69.0	67.0	67.0	67.0	67.0	67.0	67.0	63.0	63.0	63.0	63.0	67.0	67.0	67.0	69	63	67						
	total	6893	7481	7872	8249	8300	7354	7581	8653	9038	9202	8471	9274	7428	5551	4168	3139									
	% HV	51	58	72	76	78	73	77	80	80	74	62	53	52	49	45	43									
	BNL	81	81	81	81	81	81	81	82	82	82	81	82	81	80	78	77									
	% HV	6	7	7	7	7	7	7	8	8	7	6	6	6	6	5	5									
	Gradient	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6									
	Distance	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50									
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
5204	LV	3,341	3,206	2,336	2,051	2,035	2,016	2,035	2,025	2,221	2,202	2,689	3,473	2,962	2,323	1,822	1,430	2,913	2,633	2,277						
	HV	1,342	1,514	1,742	2,592	2,488	2,006	1,978	2,082	1,968	1,871	1,897	1,667	1,511	1,192	841	743	1,470	1,795	1,744						
	SPD	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	80.0	80.0	80.0	80.0	81.0	81.0	81.0	81	80	81						
	total	4683	4720	4078	4643	4523	4022	4013	4087	4189	4073	4586	5140	4473	3516	2763	2172									
	% HV	29	32	43	56	55	50	49	50	47	46	41	32	34	34	34	34									
	BNL	79	79	78	79	79	78	78	78	78	78	79	79	78	77	76	75									
	% HV	5	5	6	7	7	7	7	7	7	6	6	5	5	6	6	6									
	Gradient	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6									
	Distance	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43									
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1									

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2016CTS-3(815100)MAIN MODEL RUN-V84 SCII PRAC NET MED Fleet Budget Toll New Bus

Stn.		Hour Start / 2-way Hourly Traffic Volume (veh.) or Speed (km/hr)																Model Output		
		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	AM	PM	OP
5206	LV	2,199	1,665	2,018	1,917	1,231	1,160	822	722	1,089	1,100	1,880	1,921	2,213	1,633	1,373	1,290	1,507	1,746	1,467
	HV	1,377	1,369	1,647	1,680	1,289	932	1,268	1,353	1,327	1,266	1,322	1,898	1,459	1,021	1,047	1,110	1,243	1,409	1,338
	SPD	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	39.0	39.0	39.0	39.0	39.0	40.5	40.5	40.5	41	39	41
	total	3576	3035	3665	3597	2520	2091	2090	2075	2416	2366	3002	3819	3672	2654	2419	2400			
	% HV	39	45	45	47	51	45	61	65	55	54	44	50	40	38	43	46			
	BNL	78	77	78	78	75	75	75	76	76	77	78	78	78	76	76	76			
	% HV	4	4	4	4	5	4	5	6	5	5	4	5	4	4	4	4			
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance	12	Distance	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
5207	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr		
	Facade Noise Levels dB(A)	81.9	81.7	82.5	82.6	81.4	80.1	81.2	81.5	81.5	81.3	81.6	83.1	82.1	80.6	80.6	80.8	81.6		
	HKPSG Exceedances	11.9	11.7	12.5	12.6	11.4	10.1	11.2	11.5	11.5	11.3	11.6	13.1	12.1	10.6	10.6	10.8			
	16	= number of hours exceeded 70 dB(A)																		
	LV	2,253	2,154	2,187	1,880	1,207	1,137	807	708	1,068	1,048	1,479	1,778	2,170	1,602	1,346	1,265	1,949	1,537	1,439
	HV	1,001	905	1,171	1,242	853	689	937	1,000	981	924	922	1,367	1,079	755	774	821	821	983	989
	SPD	32.5	32.5	32.5	32.0	32.0	32.0	32.0	32.0	32.0	32.5	32.5	32.5	32.5	32.0	32.0	32.0	33	33	32
	total	3254	3059	3358	3122	2160	1826	1744	1708	2049	1971	2401	3145	3246	2356	2120	2086			
	% HV	31	30	35	40	44	38	54	59	48	47	38	43	33	32	36	39			
	BNL	77	77	77	77	76	75	75	75	75	75	76	77	77	76	75	75			
5210	% HV	3	3	3	4	4	4	5	5	5	4	4	4	3	3	4	4			
	Gradient	3	Gradient	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
	Distance	10	Distance	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr		
	Facade Noise Levels dB(A)	82.1	81.7	82.7	82.9	81.7	80.4	81.5	81.8	81.5	81.6	83.3	82.4	80.9	80.9	81.1	81.9			
	HKPSG Exceedances	12.1	11.7	12.7	12.9	11.7	10.4	11.5	11.8	11.8	11.5	11.6	13.3	12.4	10.9	10.9	11.1			
	16	= number of hours exceeded 70 dB(A)																		
	LV	2,107	2,109	1,382	1,064	1,066	1,025	1,022	1,164	1,057	1,281	1,535	1,943	1,695	1,252	925	683	1,912	1,537	1,222
	HV	1,088	1,106	1,360	1,684	1,645	1,434	1,409	1,568	1,784	1,637	1,399	1,418	1,331	830	517	323	1,098	1,384	1,295
5213	SPD	28.0	28.0	28.0	29.0	29.0	29.0	29.0	29.0	29.0	28.0	28.0	28.0	28.0	29.0	29.0	29.0	28	28	29
	total	3195	3214	2743	2748	2711	2459	2431	2729	2841	2918	2934	3362	3026	2082	1442	1006			
	% HV	34	34	50	61	61	58	58	57	63	56	48	42	44	40	36	32			
	BNL	77	77	77	77	77	76	76	77	77	77	77	77	77	75	74	72			
	% HV	4	4	5	6	6	5	5	6	5	5	4	4	4	4	3	3			
	Gradient	3	Gradient	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
	Distance	12	Distance	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr		
	Facade Noise Levels dB(A)	82.0	82.1	82.8	83.6	83.5	82.9	82.8	83.3	83.6	83.0	83.1	82.6	80.7	78.7	76.7	82.6			
5229	HKPSG Exceedances	12.0	12.1	12.8	13.6	13.5	12.9	12.8	13.3	13.8	13.6	13.0	13.1	12.8	10.7	8.7	8.7			
	16	= number of hours exceeded 70 dB(A)																		
	LV	1,929	1,627	1,262	1,095	922	985	879	1,043	1,040	1,033	1,347	1,853	1,888	1,733	1,590	1,459	1,413	1,364	1,346
	HV	578	397	459	590	549	472	443	388	466	461	493	428	368	285	221	171	379	468	423
	SPD	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	26.5	26.5	26.5	26.5	27.0	27.0	27.0	27	27	27
	total	2508	2024	1721	1685	1471	1456	1322	1431	1506	1493	1840	2281	2256	2018	1811	1630			
	% HV	23	20	27	35	37	32	34	27	31	31	27	19	16	14	12	10			
	BNL	76	75	75	74	74	74	73	74	74	74	75	76	76	75	75	74			
	% HV	2	2	3	4	4	3	4	3	3	3	3	2	1	1	0	0			
	Gradient	3	Gradient	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
5231	Distance	50	Distance	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6			
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr		
	Facade Noise Levels dB(A)	74.3	72.8	73.2	74.1	73.7	73.1	72.9	72.4	73.1	73.1	73.5	73.2	72.7	71.7	70.8	69.9	72.9		
	HKPSG Exceedances	4.3	2.8	3.2	4.1	3.7	3.1	2.9	2.4	3.1	3.1	3.5	3.2	2.7	1.7	0.8	-0.1			
	16	= number of hours exceeded 70 dB(A)																		
	LV	887	1,138	938	686	440	415	294	258	390	453	916	886	792	584	491	482	1,030	952	525
	HV	716	758	869	863	662	478	651	695	681	673	786	1,045	749	524	537	570	688	838	687
	SPD	29.5	29.5	29.5	25.0	25.0	25.0	25.0	25.0	29.5	29.5	29.5	29.5	29.5	25.0	25.0	25.0	30	30	25
	total	1603	1896	1807	1549	1102	893	945	953	1071	1126	1702	1931	1541	1109	1029	1032			
	% HV	45	40	48	56	60	54	69	73	64	60	46	54	49	47	52	55			
	BNL	74	75	75	74	73	72	72	72	72	73	75	75	74	73	72	72			
	% HV	4	4	5	6	6	7	7	6	6	5	5	5	4	4	5	6			
	Gradient	3	Gradient	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
	Distance	10	Distance	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr		
	Facade Noise Levels dB(A)	80.6	80.9	81.4	81.7	80.5	79.2	80.4	80.7	80.6	80.2	81.0	82.1	80.7	79.6	79.7	79.9	80.6		
	HKPSG Exceedances	10.6	10.9	11.4	11.7	10.5	9.2	10.4	10.7	10.6	10.2	11.0	12.1	10.7	9.6	9.7	9.9			
	16	= number of hours exceeded 70 dB(A)																		

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2016CTS-3(815100)MAIN MODEL RUN-V84 SCII PRAC NET MED Fleet Budget Toll New Bus

		Hour Start / 2-way Hourly Traffic Volume (veh.) or Speed (km/hr)																						Model Output		
Stn.		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	AM PM OP								
5232	LV	508	671	476	282	236	225	232	235	258	272	391	501	581	438	331	250	598	409	330						
	HV	1,185	1,029	1,268	1,298	1,317	1,142	1,281	1,385	1,464	1,313	1,138	1,188	1,149	743	480	311	1,052	1,124	1,109						
	SPD	30.5	30.5	30.5	29.5	29.5	29.5	29.5	29.5	30.5	30.5	30.5	30.5	30.5	29.5	29.5	29.5	31	31	30						
	total	1694	1700	1744	1580	1552	1368	1512	1619	1722	1585	1529	1669	1730	1181	811	560									
	% HV	70	61	73	82	85	84	85	88	85	83	74	70	66	63	59	55									
	BNL	74	75	75	74	74	74	74	74	74	74	74	74	74	73	71	70									
	% HV	6	6	6	7	7	7	7	7	7	7	6	6	6	6	6	5									
	Gradient	3	Gradient	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
	Distance	8	Distance	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0									
5233	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5									
	Facade Noise Levels dB(A)	83.2	82.7	83.5	83.6	83.7	83.1	83.6	83.9	84.1	83.6	83.0	83.2	83.1	81.3	79.4	77.6	82.9								
	HKPSG Exceedances	13.2	12.7	13.5	13.6	13.7	13.1	13.6	13.9	14.1	13.6	13.0	13.2	13.1	11.3	9.4	7.6									
	16	= number of hours exceeded 70 dB(A)																								
	LV	1,415	1,406	1,239	1,146	1,099	1,123	870	1,073	1,185	1,102	1,326	1,414	1,362	1,054	1,067	999	1,283	1,247	1,156						
	HV	278	315	407	469	431	326	425	459	450	450	373	377	287	192	139	95	312	375	340						
	SPD	20.0	20.0	20.0	20.5	20.5	20.5	20.5	20.5	20.5	20.0	20.0	20.0	20.0	20.5	20.5	20.5	18	17	21						
	total	1694	1721	1646	1615	1529	1449	1294	1532	1634	1552	1699	1792	1629	1246	1205	1095									
	% HV	16	18	25	29	28	22	33	30	28	22	21	16	15	12	9										
	BNL	74	75	74	74	74	74	73	74	74	74	74	75	74	73	73	73									
	% HV	2	2	3	4	4	3	4	4	4	3	3	2	2	1	0										
5236	Gradient	0	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
	Distance	8	Distance	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0									
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5									
	Facade Noise Levels dB(A)	78.1	78.6	79.5	79.9	79.5	78.5	79.4	79.8	79.7	79.8	79.2	79.3	77.9	76.5	75.4	74.1	78.7								
	HKPSG Exceedances	8.1	8.6	9.5	9.9	9.5	8.5	9.4	9.8	9.7	9.6	9.2	9.3	7.9	6.5	5.4	4.1									
	16	= number of hours exceeded 70 dB(A)																								
	LV	469	475	413	378	362	370	287	354	390	367	458	476	449	347	352	329	434	431	381						
	HV	222	237	320	380	350	264	345	372	365	358	277	294	216	156	113	77	235	279	276						
	SPD	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.8	28.8	28.8	28.8	28.0	28.0	28.0	28	29	28						
	total	692	712	733	758	712	635	632	726	755	725	735	770	665	503	464	407									
	% HV	32	33	44	50	49	42	55	51	48	49	38	38	33	31	24	19									
	BNL	71	71	71	71	71	70	70	71	71	71	71	71	70	69	69	68									
	% HV	3	3	4	5	5	4	5	5	5	4	4	3	3	2	1										
5252	Gradient	0	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
	Distance	10	Distance	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0									
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5									
	Facade Noise Levels dB(A)	83.0	83.9	84.5	84.8	85.0	84.5	85.0	84.8	84.6	84.7	84.2	83.9	82.3	82.0	81.5	80.9	83.9								
	HKPSG Exceedances	13.0	13.9	14.5	14.8	15.0	14.5	15.0	14.8	14.8	14.7	14.2	13.9	12.3	12.0	11.5	10.9									
	16	= number of hours exceeded 70 dB(A)																								
	LV	1,935	2,246	2,070	1,586	1,434	1,705	1,776	1,439	1,729	2,051	2,029	2,233	2,285	1,959	1,680	1,441	2,152	2,022	1,792						
	HV	1,443	1,794	2,099	2,239	2,380	2,092	2,347	2,262	2,115	2,229	1,998	1,844	1,206	1,073	955	849	1,738	1,903	1,805						
	SPD	52.3	52.3	52.3	54.3	54.3	54.3	54.3	54.3	54.3	50.8	50.8	50.8	50.8	54.3	54.3	54.3	52	51	54						
	total	3378	4040	4169	3925	3814	3797	4123	3701	3845	4280	4027	4077	3491	3032	2635	2290									
	% HV	43	44	50	57	62	55	57	61	55	52	50	45	35	35	36	37									
	BNL	77	78	78	78	78	78	78	78	78	79	78	78	78	77	76	76									
	% HV	5	5	5	6	6	6	6	6	6	5	5	5	4	4	4	4									
5255	Gradient	9	Gradient	3	3	3	3	3	3	3	3	3	3	3	3	3	3									
	Distance	25	Distance	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3									
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0									
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5									
	Facade Noise Levels dB(A)	75.9	76.9	76.7	76.8	76.5	76.1	76.8	76.9	76.7	76.6	76.2	76.4	75.9	74.9	73.9	72.9	76.1								
	HKPSG Exceedances	5.9	6.9	6.7	6.8	6.5	6.1	6.6	6.9	6.7	6.6	6.2	6.4	5.9	4.9	3.9	2.9									
	16	= number of hours exceeded 70 dB(A)																								
	LV	1,474	1,428	936	874	794</																				

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2016CTS-3(815100)MAIN MODEL RUN-V84 SCII PRAC NET MED Fleet Budget Toll New Bus

Hour Start / 2-way Hourly Traffic Volume (veh.) or Speed (km/hr)																		Model Output					
Stn.		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	AM	PM	OP			
5269	LV	3,304	3,346	2,351	1,994	1,978	1,961	1,978	1,969	2,180	2,143	2,627	3,384	2,880	2,259	1,772	1,390	3,040	2,572	2,214			
	HV	1,794	2,018	2,328	3,469	3,330	2,684	2,847	2,760	2,834	2,487	2,468	2,201	2,022	1,596	1,259	994	1,960	2,335	2,334			
	SPD	74.0	74.0	74.0	74.5	74.5	74.5	74.5	74.5	74.5	74.0	74.0	74.0	74.0	74.5	74.5	74.5	74	74	75			
	total	5098	5364	4679	5463	5309	4645	4825	4728	4794	4631	5094	5585	4902	3855	3031	2384						
	% HV	35	38	50	63	63	58	57	58	55	54	48	39	41	41	42	42						
	BNL	79	79	79	80	79	79	79	79	79	79	79	80	79	78	77	76						
	% HV	5	5	6	7	7	7	7	7	7	6	6	6	6	6	6	6						
	Gradient	6	Gradient	2	2	2	2	2	2	2	2	2	2	2	2	2	2						
	Distance	43	Distance	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5						
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0					
Angle	160 angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr					
Facade Noise Levels dB(A)		81.9	82.3	82.6	84.2	84.0	83.1	83.1	83.2	83.1	82.8	82.9	82.6	82.2	81.2	80.2	79.1	82.8					
HKPSG Exceedances		11.9	12.3	12.6	14.2	14.0	13.1	13.1	13.2	13.1	12.8	12.9	12.5	12.2	11.2	10.2	9.1						
		16	# number of hours exceeded 70 dB(A)																				
5270	LV	5,667	5,552	3,989	3,457	3,429	3,399	3,429	3,413	3,744	3,754	4,790	5,996	4,993	3,916	3,072	2,410	5,044	4,690	3,838			
	HV	2,537	2,923	3,316	4,875	4,680	3,772	3,720	3,878	3,702	3,515	3,554	3,130	2,841	2,242	1,770	1,397	2,839	3,363	3,280			
	SPD	74.5	74.5	74.5	76.0	76.0	76.0	76.0	76.0	76.0	74.5	74.5	74.5	74.5	76.0	76.0	76.0	75	75	76			
	total	8205	8475	7305	8332	8109	7171	7150	7291	7445	7269	8344	9125	7834	6159	4842	3806						
	% HV	31	34	45	59	58	53	52	53	50	48	43	34	36	36	37	37						
	BNL	81	81	81	81	81	81	81	81	81	81	81	81	82	81	80	79						
	% HV	5	5	6	7	7	7	7	7	6	6	6	5	5	5	5	5						
	Gradient	0	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
	Distance	43	Distance	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5						
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0					
Angle	160 angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr					
Facade Noise Levels dB(A)		81.8	82.3	82.5	84.0	83.8	83.0	82.9	83.1	83.0	82.7	82.9	82.5	82.1	81.1	80.1	79.1	82.5					
HKPSG Exceedances		11.8	12.3	12.5	14.0	13.8	13.0	12.9	13.1	13.0	12.7	12.9	12.6	12.1	11.1	10.1	9.1						
		16	# number of hours exceeded 70 dB(A)																				
5279	LV	3,595	3,312	2,457	2,069	1,741	1,860	1,661	1,970	1,965	2,006	2,886	3,710	3,567	3,274	3,004	2,757	2,876	2,922	2,543			
	HV	1,872	1,243	1,473	1,923	1,790	1,537	1,443	1,265	1,519	1,478	1,506	1,351	1,200	929	719	556	1,186	1,430	1,378			
	SPD	64.5	64.5	64.5	70.0	70.0	70.0	70.0	70.0	70.0	66.0	66.0	66.0	66.0	70.0	70.0	70.0	65	66	70			
	total	5567	4555	3930	3991	3531	3397	3104	3236	3484	3484	4392	5060	4767	4202	3723	3314						
	% HV	34	27	37	48	51	45	46	39	44	42	34	27	25	22	19	17						
	BNL	80	79	78	78	78	78	77	77	78	78	79	79	79	78	78	77						
	% HV	4	4	5	6	6	6	6	5	6	5	5	4	4	4	3	3						
	Gradient	0	Gradient	2	2	2	2	2	2	2	2	2	2	2	2	2	2						
	Distance	50	Distance	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6						
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0					
Angle	160 angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr					
Facade Noise Levels dB(A)		80.9	79.4	79.7	81.0	80.8	80.1	79.8	79.4	80.0	79.7	80.0	79.9	79.5	78.8	77.9	77.1	79.7					
HKPSG Exceedances		10.9	9.4	9.7	11.0	10.6	10.1	9.8	9.4	10.0	9.7	10.0	9.9	9.5	8.8	7.9	7.1						
		16	# number of hours exceeded 70 dB(A)																				
5404	LV	3,547	3,533	2,399	2,081	1,860	2,047	1,844	1,796	1,881	2,428	2,902	4,292	3,693	2,944	2,347	1,872	3,136	3,014	2,456			
	HV	2,029	2,472	3,228	3,583	3,734	3,088	3,331	3,971	4,145	3,839	2,800	2,709	2,224	1,560	1,095	768	2,448	2,681	2,848			
	SPD	24.5	24.5	24.5	22.0	22.0	22.0	22.0	22.0	22.0	20.0	20.0	20.0	20.0	22.0	22.0	22.0	25	19	22			
	total	5576	6005	5627	5664	5594	5135	5174	5787	6026	6265	5702	7001	5916	4504	3442	2640						
	% HV	36	41	57	63	67	80	64	69	69	61	49	39	38	35	32	29						
	BNL	80	80	80	80	80	79	79	79	80	80	80	80	81	80	79	78						
	% HV	4	5	6	7	7	6	7	7	7	7	6	5	5	4	4	4						
	Gradient	0	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
	Distance	25	Distance	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3						
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0					
Angle	160 angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr					
Facade Noise Levels dB(A)		81.5	82.3	83.3	84.2	84.3	83.5	83.8	84.6	84.8	84.9	83.6	83.5	82.7	80.8	79.3	77.8	83.2					
HKPSG Exceedances		11.5	12.3	13.3	14.2	14.3	13.5	13.8	14.6	14.8	14.9	13.6	13.5	12.7	10.8	9.3	7.8						
		16	# number of hours exceeded 70 dB(A)																				
5405	LV	2,995	3,251	2,687	2,588	2,508	2,427	2,401	2,623	2,769	2,641	2,920	3,423	3,388	3,054	2,752	2,480	3,054	2,895	2,761			
	HV	1,457	1,394	1,803	2,032	1,982	1,889	1,902	1,963	1,972	1,916	1,727	1,491	1,327	1,088	893	733	1,424	1,672	1,612			
	SPD	53.0	53.0	53.0	52.5	52.5	52.5	52.5	52.5	52.5	51.5	51.5	51.5	51.5	52.5	52.5	52.5	53	52	53			
	total	4452	4645	4470	4621	4490	4316	4303	4586	4741	4556	4647	4914	4715	4142	3645	3213						
	% HV	33	30	40	44	44	44	44	43	42	42	37	30	28	26	24	23						
	BNL	79	79	79	79	79	79	79	78	79	79	79	79	79	78	78	77						
	% HV	4	3	4	5	5	5	5	5	4	4	4	3	3	3	3	3						
	Gradient	6	Gradient	2	2	2	2	2	2	2	2	2	2	2	2	2	2						
	Distance	25	Distance	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3						
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0					
Angle	160 angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr					
Facade Noise Levels dB(A)		81.9	81.8	82.8	83.0	82.9	82.7	82.7	82.9	82.9	82.8	82.4	82.0	81.6	80.8	80.1	79.3	82.1					
HKPSG Exceedances		11.9	11.8	12.6	13.0	12.9	12.7	12.7	12.9	12.9	12.8	12.4	12.0	11.6	10.8	10.1	9.3						
		16	# number of hours exceeded 70 dB(A)																				
5406	LV	4,365	4,755	4,365	3,984	3,163	3,233	3,022	3,608	3,671	4,137	4,951	5,431	4,675	4,061	3,527	3,063	4,452	4,690	3,813			
	HV	2,854	2,945	4,018	4,915	4,674	4,850	4,466	5,082	5,018	4,858	3,541	3,080	2,372	1,814	1,388	1,061	2,983	3,383	3,646			
	SPD	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	15	10	12			
	total	7219	7700	8383	8899	7838	8082	7487	8690	8689	8796	8492	8491	7047	5875	4914	4124						
	% HV	40	38	48	55	60	60	60	58	58	53	42	36	34	31	28	26						
	BNL	81	81	81	82	81	81	81	82	82	82	82	81	81	81	80	79						
	% HV	5	5	6	7	7	7	7	7	7	6	5	5	5	4	4	4						
	Gradient	0	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
	Distance	15	Distance	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1						
	Surface	-1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0					
Angle	160 angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr					
Facade Noise Levels dB(A)		85.6	85.8	87.1	87.																		

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Future Year Hourly Profile of Traffic Volume and Speed

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		Hour Start / 2-way Hourly Traffic Volume (veh.) or Speed (km/hr)																						Model Output		
Str.		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	AM		PM		OP				
5407	LV	793	1,293	916	618	490	501	468	559	559	635	734	824	725	629	547	475	1,211	725	591						
	HV	408	495	603	673	640	664	611	696	687	656	548	444	325	240	190	145	501	524	499						
	SPD	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0						
	total	1201	1788	1519	1290	1130	1165	1080	1255	1256	1290	1282	1268	1049	878	737	620									
	% HV	34	28	40	52	57	57	55	55	55	51	43	35	31	28	26	23									
	BNL	73	75	74	73	73	73	73	73	73	73	73	73	72	72	71	70									
	% HV	4	3	4	5	5	5	5	5	5	5	4	3	3	3	2	2									
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
	Distance	15	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1									
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0									
5409	Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr								
	Facade Noise Levels dB(A)	76.1	77.1	77.7	77.8	77.5	77.6	77.3	77.9	77.8	77.7	77.0	76.2	74.9	73.9	72.8	71.7	76.7								
	HKPSG Exceedances	6.1	7.1	7.7	7.8	7.5	7.8	7.3	7.9	7.8	7.7	7.0	6.2	4.9	3.9	2.8	1.7									
	16	= number of hours exceeded 70 dB(A)																								
	LV	1,297	1,388	1,423	1,490	1,252	1,280	1,037	1,170	1,303	1,412	1,597	1,691	1,414	1,012	1,092	1,148	1,252	1,621	1,278						
	HV	900	1,351	1,435	1,591	1,602	1,375	1,361	1,503	1,459	1,590	1,254	1,351	1,047	815	664	623	1,263	1,246	1,245						
	SPD	34.5	34.5	34.5	33.5	33.5	33.5	33.5	33.5	33.5	34.0	34.0	34.0	34.0	33.5	33.5	33.5	35	34	34						
	total	2197	2739	2858	3082	2853	2654	2398	2674	2763	3002	2851	3042	2461	1827	1786	1769									
	% HV	41	49	50	52	56	52	57	56	53	53	44	44	43	45	39	35									
	BNL	76	77	77	77	77	76	76	76	77	77	77	77	76	75	75	75									
	% HV	4	5	5	5	5	5	5	5	5	4	4	4	4	4	3	3									
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
	Distance	12	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1									
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0									
	Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr								
	Facade Noise Levels dB(A)	79.9	81.6	81.9	82.3	82.3	81.7	81.6	82.0	81.9	82.3	81.4	81.7	80.6	79.5	78.9	78.5	81.3								
	HKPSG Exceedances	9.9	11.5	11.9	12.3	12.3	11.7	11.6	12.0	11.9	12.3	11.4	11.7	10.6	9.5	8.9	8.5									
	16	= number of hours exceeded 70 dB(A)																								
5410	LV	1,763	1,873	1,931	2,030	1,705	1,744	1,413	1,594	1,775	1,842	1,825	2,112	1,926	1,378	1,487	1,561	1,690	1,852	1,741						
	HV	1,171	1,701	1,848	2,088	2,102	1,804	1,786	1,973	1,915	2,052	1,510	1,709	1,374	1,070	911	817	1,590	1,501	1,834						
	SPD	31.5	31.5	31.5	29.0	29.0	29.0	29.0	29.0	29.0	28.5	28.5	28.5	28.5	29.0	29.0	29.0	32	29	29						
	total	2934	3574	3779	4119	3807	3548	3199	3567	3691	3894	3335	3821	3301	2448	2398	2378									
	% HV	40	48	49	51	55	51	56	55	52	53	45	45	42	44	38	34									
	BNL	77	78	78	78	78	78	77	78	78	78	77	78	77	76	76	76									
	% HV	4	5	5	5	5	5	5	5	5	5	4	4	4	4	3	3									
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
	Distance	12	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1									
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0									
	Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr								
	Facade Noise Levels dB(A)	81.2	82.7	83.1	83.7	83.7	83.1	83.0	83.4	83.3	83.6	82.4	82.9	82.0	80.9	80.2	79.8	82.6								
	HKPSG Exceedances	11.2	12.7	13.1	13.7	13.7	13.1	13.0	13.4	13.3	13.6	12.4	12.9	12.0	10.9	10.2	9.8									
	16	= number of hours exceeded 70 dB(A)																								
5411	LV	1,836	1,830	1,509	1,365	951	1,080	962	945	1,208	1,112	1,239	1,914	1,700	1,136	759	507	1,517	1,256	1,200						
	HV	437	495	704	944	813	732	695	755	747	725	652	557	457	284	178	110	474	623	589						
	SPD	40.5	40.5	40.5	43.0	43.0	43.0	43.0	43.0	43.0	41.8	41.8	41.8	41.8	43.0	43.0	43.0	41	42	43						
	total	2072	2325	2213	2309	1784	1812	1657	1699	1955	1837	1891	2471	2157	1420	935	618									
	% HV	21	21	32	41	46	40	42	44	38	39	34	23	21	20	19	18									
	BNL	75	76	76	76	75	75	74	75	75	75	75	76	76	74	72	70									
	% HV	2	2	3	4	4	4	4	4	4	4	3	2	2	2	1	1									
	Gradient	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
	Distance	15	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1									
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0									
	Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr								
	Facade Noise Levels dB(A)	77.6	78.1	79.2	80.4	79.6	79.3	79.0	79.3	79.4	79.2	78.9	78.6	77.8	75.9	73.9	71.9	78.4								
	HKPSG Exceedances	7.6	8.1	9.2	10.4	9.6	9.3	9.0	9.3	9.4	9.2	8.9	8.6	7.8	5.9	3.9	1.9									
	16	= number of hours exceeded 70 dB(A)																								
5412	LV	703	683	478	386	325	347	310	367	366	363	471	651	655	610	560	514	583	477	474						
	HV	341	263	279	339	316	271	254	223	288	262	273	241	212	164	127	98	251	259	243						
	SPD	31.0	31.0	31.0	32.0	32.0	32.0	32.0	32.0	32.0	31.0	31.0	31.0	31.0	32.0	32.0	32.0	31	31	32						
	total	1043	946	757	725	640	618	564	590	634	625	744	892	876	774	687	612									
	% HV	33	28	37	47	49	44	45	38	42	42	37	27	24	21	18	16									
	BNL	72	72	71	71	70	70	70	70	70	70	71	72	72	71	71	70									
	% HV	3	3	4	5	5	4	4																		

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		Hour Start / 2-way Hourly Traffic Volume (veh.) or Speed (km/hr)																					Model Output		
Stn.		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	AM PM OP							
5421	LV	289	302	192	144	144	138	138	157	143	192	311	322	229	169	125	92	274	311	165					
	HV	90	110	119	133	130	113	111	123	140	138	147	129	105	65	41	25	109	145	102					
	SPD	48.5	48.5	48.5	50.0	50.0	50.0	50.0	50.0	50.0	47.5	47.5	47.5	47.5	50.0	50.0	50.0	49	48	50					
	total	379	412	312	276	273	251	249	280	283	330	457	450	334	234	166	118								
	% HV	24	27	38	48	47	45	45	44	50	42	32	29	31	28	25	22								
	BNL	58	68	67	67	67	66	66	67	67	67	69	69	67	66	64	63								
	% HV	2	3	4	5	5	5	5	5	5	4	3	3	3	3	3	2								
	Gradient	3	Gradient	1	1	1	1	1	1	1	1	1	1	1	1	1	1								
	Distance	12	Distance	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1								
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0								
Angle		160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr							
Facade Noise Levels dB(A)		71.7	72.4	72.4	72.7	72.6	72.1	72.7	72.5	73.0	72.9	73.4	73.0	72.0	70.2	68.3	68.4	72.0							
HKPSG Exceedances		1.7	2.4	2.4	2.7	2.6	2.1	2.0	2.5	3.0	2.9	3.4	3.0	2.0	0.2	-1.7	-3.6								
		13 = number of hours exceeded 70 dB(A)																							
5443	LV	326	439	433	382	349	311	371	435	387	445	435	445	435	298	274	241	415	438	361					
	HV	458	412	463	648	642	587	512	602	882	579	494	544	378	246	138	145	391	475	481					
	SPD	81.5	61.5	61.5	60.0	60.0	60.0	60.0	60.0	58.0	58.0	58.0	58.0	58.0	60.0	60.0	60.0	62	58	60					
	total	784	851	896	1030	991	898	883	1037	1070	1024	929	989	812	542	412	386								
	% HV	58	48	52	63	65	58	58	58	64	57	53	55	46	45	33	38								
	BNL	71	72	72	72	72	72	72	72	72	72	72	72	71	70	68	68								
	% HV	6	5	6	6	6	6	6	6	6	6	6	6	5	5	4	5								
	Gradient	3	Gradient	1	1	1	1	1	1	1	1	1	1	1	1	1	1								
	Distance	20	Distance	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2								
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0								
Angle		160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr							
Facade Noise Levels dB(A)		76.7	76.4	76.9	78.1	78.1	77.7	77.1	77.8	78.3	77.6	76.9	77.3	75.9	74.2	72.0	72.0	76.8							
HKPSG Exceedances		6.7	6.4	6.9	8.1	8.1	7.7	7.1	7.8	8.3	7.8	6.9	7.3	5.9	4.2	2.0	2.0								
		18 = number of hours exceeded 70 dB(A)																							
5467	LV	897	790	593	504	424	453	405	480	479	483	666	881	869	798	732	672	686	675	620					
	HV	283	223	233	281	262	225	211	185	222	219	234	203	175	136	105	81	213	222	201					
	SPD	47.0	47.0	47.0	48.3	48.3	48.3	48.3	48.3	47.2	47.2	47.2	47.2	47.2	48.3	48.3	48.3	47	47	48					
	total	1180	1013	826	785	686	678	618	665	701	702	901	1085	1044	933	837	753								
	% HV	24	22	28	36	38	33	34	28	32	31	26	19	17	15	13	11								
	BNL	73	72	71	71	71	71	70	70	71	71	72	73	72	72	71	71								
	% HV	2	2	3	4	4	3	4	3	3	3	3	2	1	1	1	0								
	Gradient	6	Gradient	2	2	2	2	2	2	2	2	2	2	2	2	2	2								
	Distance	50	Distance	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6								
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0								
Angle		160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr							
Facade Noise Levels dB(A)		72.1	71.2	71.1	71.7	71.3	70.8	70.5	70.1	70.8	70.7	71.2	71.0	70.5	69.7	68.9	68.0	70.7							
HKPSG Exceedances		2.1	1.2	1.1	1.7	1.3	0.8	0.5	0.1	0.8	0.7	1.2	1.0	0.5	-0.3	-1.1	-2.0								
		12 = number of hours exceeded 70 dB(A)																							
5480	LV	1,984	2,074	2,037	1,762	1,499	1,782	1,857	1,505	1,808	2,168	2,225	2,388	2,389	2,048	1,756	1,506	1,987	2,217	1,873					
	HV	1,608	1,888	2,300	2,532	2,592	2,366	2,655	2,559	2,393	2,499	2,172	2,048	1,364	1,214	1,080	961	1,828	2,068	2,041					
	SPD	60.0	60.0	60.0	60.5	60.5	60.5	60.5	60.5	60.5	58.5	58.5	58.5	58.5	60.5	60.5	60.5	60	60	61					
	total	3,572	3,962	4,338	4,295	4,191	4,149	4,511	4,063	4,201	4,667	4,397	4,437	3,753	3,262	2,836	2,467								
	% HV	45	48	53	59	64	57	59	63	57	54	49	46	36	37	38	39								
	BNL	78	78	79	79	78	78	79	78	78	79	79	79	78	77	77	76								
	% HV	5	5	6	6	6	6	6	6	6	6	5	5	4	5	5	5								
	Gradient	0	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0								
	Distance	30	Distance	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4								
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0								
Angle		160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr							
Facade Noise Levels dB(A)		79.9	80.5	81.3	81.7	81.9	81.4	81.9	81.7	81.4	81.5	80.9	80.7	79.2	78.9	78.3	77.8	80.7							
HKPSG Exceedances		9.9	10.5	11.3	11.7	11.9	11.4	11.9	11.7	11.4	11.5	10.9	10.7	9.2	8.9	8.3	7.8								
		16 = number of hours exceeded 70 dB(A)																							
5496	LV	96	80	80	81	78	80	62	76	64	75	78													

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2016CTS-3(815100)MAIN MODEL RUN-V84 SCII PRAC NET MED Fleet Budget Toll New Bus

		Hour Start / 2-way Hourly Traffic Volume (veh.) or Speed (km/hr)																						Model Output		
Stn.		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	AM		PM		OP				
5606	LV	2,645	1,835	1,556	1,475	1,478	1,421	1,418	1,814	1,467	1,708	1,735	2,470	2,352	1,737	1,283	948	1,664	1,737	1,695						
	HV	1,111	1,132	1,390	1,718	1,678	1,463	1,437	1,597	1,819	1,650	1,351	1,411	1,358	846	528	329	1,124	1,336	1,321						
	SPD	82.5	82.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	83	80	80						
	total	3756	2967	2945	3193	3157	2884	2855	3211	3286	3356	3085	3881	3709	2583	1811	1277									
	% HV	30	38	47	54	53	51	50	50	55	49	44	36	37	33	29	25									
	BNL	78	77	77	77	77	77	77	77	77	77	77	78	78	76	75	73									
	% HV	5	6	7	7	7	7	7	7	7	7	6	6	6	5	5	5									
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
	Distance	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60									
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
5607	LV	3,825	4,090	3,389	3,321	3,219	3,114	3,081	3,366	3,553	3,360	3,603	4,315	4,348	3,919	3,532	3,183	3,817	3,572	3,543						
	HV	1,773	1,750	2,215	2,452	2,391	2,279	2,295	2,368	2,380	2,323	2,128	1,818	1,601	1,313	1,077	884	1,788	2,060	1,945						
	SPD	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.0	24.0	24.0	24.0	24.5	24.5	25	24	25						
	total	5598	5841	5604	5773	5610	5394	5376	5734	5932	5683	5730	6132	5949	5232	4609	4067									
	% HV	32	30	40	42	43	42	43	41	40	41	37	30	27	25	23	22									
	BNL	80	80	80	80	80	80	80	80	80	80	80	80	80	80	79	78									
	% HV	4	3	4	5	5	5	5	5	4	5	4	3	3	3	2	2									
	Gradient	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9									
	Distance	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25									
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
5609	LV	2,742	3,357	3,124	3,052	2,563	2,521	2,124	2,397	2,669	2,794	2,849	3,232	2,896	2,071	2,235	2,348	3,028	2,991	2,617						
	HV	1,701	2,240	2,610	3,111	3,132	2,887	2,661	2,939	2,853	3,116	2,478	2,654	2,047	1,594	1,357	1,218	2,094	2,461	2,434						
	SPD	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	32.5	32.5	32.5	34.0	34.0	34.0	34	33	34						
	total	4443	5597	5734	6183	5695	5308	4785	5336	5522	5910	5325	5886	4943	3665	3592	3564									
	% HV	38	40	48	50	55	51	56	55	52	53	47	45	41	43	38	34									
	BNL	79	80	80	80	80	79	79	79	80	80	79	80	79	78	78	78									
	% HV	4	4	4	5	5	5	5	5	5	5	4	4	4	4	4	3									
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
	Distance	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12									
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
5610	LV	1,763	1,873	1,931	2,030	1,705	1,744	1,413	1,594	1,775	1,842	1,825	2,112	1,928	1,378	1,487	1,561	1,690	1,852	1,741						
	HV	1,171	1,701	1,848	2,088	2,102	1,804	1,786	1,973	1,915	2,052	1,510	1,709	1,374	1,070	911	817	1,590	1,501	1,634						
	SPD	31.5	31.5	31.5	29.0	29.0	29.0	29.0	29.0	29.0	28.5	28.5	28.5	28.5	29.0	29.0	29.0	32	29	29						
	total	2934	3574	3779	4119	3807	3548	3199	3567	3691	3894	3335	3821	3301	2448	2398	2378									
	% HV	40	48	49	51	55	51	56	55	52	53	45	45	42	44	38	34									
	BNL	77	78	78	78	78	78	77	78	78	78	77	78	77	76	75	76									
	% HV	4	5	5	5	5	5	5	5	5	5	5	5	4	4	4	3									
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
	Distance	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12									
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
5612	LV	1,964	2,074	2,037	1,762	1,499	1,782	1,857	1,505	1,808	2,168	2,225	2,388	2,389	2,048	1,758	1,506	1,987	2,217	1,873						
	HV	1,608	1,888	2,300	2,532	2,692	2,366	2,555	2,359	2,393	2,499	2,172	2,048	1,364	1,214	1,080	961	1,828	2,058	2,041						
	SPD	60.0	60.0	60.0	60.5	60.5	60.5	60.5	60.5	60.5	56.5	56.5	56.5	56.5	60.5	60.5	60.5	60	57	61						
	total	3572	3962	4338	4295	4191	4149	4511	4063	4201	4667	4397	4437	3753	3262	2836	2467									
	% HV	45	48	53	59	64	57	59	63	57	54	49	46	36	37	38	39									
	BNL	78	78	79	79	78	78	79	78	78	79	79	79	78	77	77	76									
	% HV	5	5	6	6	6	6	6	6	6	6	5	5	4	5	5	5									
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
	Distance	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12									
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
5620	LV	1,175	1,569	1,206	967	651	691	842	1,042	951	970	1,180	1,188	880	789	774	668	1,330	1,143	898						
	HV	1,485	1,206	1,205	1,375	1,750	1,489	1,218	1,427	1,125	1,605	1,330	1,738	1,281	1,000	875	937	1,132	1,325	1,418						
	SPD	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.0	26.0	26.0	26.0	26.5	26.5	26.5	27	26	27						
	total	2640	2776	2411	2341	2410	2180	2060	2469	3076	2575	2509	2926	2161	1789	1649	1606									
	% HV	55	43	50	59	73	68	58	58	69	62	53	59	59	56	53	58									
	BNL	76	77	76	76	76	76	75	76	77	76	76	77	76	75	74	74									
	% HV	6	5	5	6	7	8	6	6	6	6	5	6	6	6	5	6									
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
	Distance	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12									
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1									

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2016CTS-3(815100)MAIN MODEL RUN-VB4 SCII PRAC NET MED Fleet Budget Toll New Bus

Stn.		Hour Start / 2-way Hourly Traffic Volume (veh.) or Speed (km/hr)																Model Output		
		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	AM	PM	OP
5654	LV	2,380	2,358	1,681	1,447	1,435	1,423	1,435	1,429	1,567	1,554	1,898	2,451	2,090	1,639	1,286	1,009	2,142	1,859	1,607
	HV	1,855	1,849	2,144	3,207	3,078	2,481	2,447	2,551	2,435	2,297	2,273	2,031	1,869	1,475	1,164	919	1,796	2,151	2,158
	SPD	78.0	78.0	78.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	78	77	77
	total	4036	4207	3825	4654	4514	3904	3882	3980	4002	3851	4172	4482	3959	3114	2450	1927			
	% HV	41	44	56	69	68	64	63	64	61	60	54	45	47	47	48	48			
	BNL	78	78	78	79	78	78	78	78	78	78	78	79	78	77	76	75			
	% HV	6	6	7	8	8	7	7	7	7	7	7	6	6	6	6	6			
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43			
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
5673	Angle	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	Average Level over 16 hr		
	Facade Noise Levels dB(A)	79.8	80.2	80.6	82.1	81.9	81.1	81.0	81.2	81.0	80.8	80.8	80.5	80.1	79.1	78.1	77.0	80.5		
	HKPSG Exceedances	9.8	10.2	10.6	12.1	11.9	11.1	11.0	11.2	11.0	10.8	10.8	10.5	10.1	9.1	8.1	7.0			
	16 = number of hours exceeded 70 dB(A)																			
	LV	3,341	3,206	2,336	2,051	2,035	2,016	2,035	2,025	2,221	2,202	2,889	3,473	2,962	2,323	1,822	1,430	2,913	2,833	2,277
	HV	1,342	1,514	1,742	2,592	2,488	2,006	1,978	2,062	1,968	1,871	1,897	1,667	1,511	1,192	941	743	1,470	1,795	1,744
	SPD	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	80.0	80.0	80.0	81.0	81.0	81.0	81	80	81
	total	4683	4720	4078	4643	4523	4022	4013	4087	4189	4073	4586	5140	4473	3516	2763	2172			
	% HV	29	32	43	56	55	50	49	50	47	46	41	32	34	34	34	34			
	BNL	79	79	78	79	79	78	78	78	78	78	79	79	79	78	77	76			
5679	% HV	5	5	8	7	7	7	7	7	7	6	6	5	5	6	6	6			
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30			
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
	Angle	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	Average Level over 16 hr		
	Facade Noise Levels dB(A)	81.0	81.4	81.8	83.0	82.9	82.0	82.0	82.1	82.0	81.8	81.9	81.7	81.2	80.3	79.2	78.2	81.5		
	HKPSG Exceedances	11.0	11.4	11.6	13.0	12.9	12.0	12.0	12.1	12.0	11.8	11.9	11.7	11.2	10.3	9.2	8.2			
	13 = number of hours exceeded 70 dB(A)																			
	LV	1,243	1,133	999	770	627	577	571	710	650	649	584	935	997	780	610	477	983	581	766
	HV	271	257	289	283	300	255	314	364	341	339	287	273	210	161	124	95	247	282	259
5691	SPD	35.0	35.0	35.0	36.0	36.0	36.0	36.0	36.0	36.0	36.5	36.5	36.5	36.5	36.0	36.0	36.0	35	37	36
	total	1514	1389	1288	1052	927	832	885	1074	991	988	871	1208	1207	941	734	572			
	% HV	18	18	22	27	32	31	35	34	34	34	33	23	17	17	17	17			
	BNL	74	74	73	72	72	71	72	73	72	72	72	73	73	72	71	70			
	% HV	1	1	2	2	3	3	3	3	3	3	3	2	1	1	1	1			
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30			
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
	Angle	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	Average Level over 16 hr		
	Facade Noise Levels dB(A)	72.1	71.9	72.2	71.9	72.0	71.3	72.1	72.8	72.5	72.5	71.8	71.9	71.1	69.9	68.8	67.7	71.8		
5806	HKPSG Exceedances	2.1	1.9	2.2	1.9	2.0	1.3	2.1	2.8	2.5	2.5	1.8	1.9	1.1	-0.1	-1.2	-2.3			
	16 = number of hours exceeded 70 dB(A)																			
	LV	3,536	3,280	2,854	2,183	1,779	1,635	1,619	2,013	1,844	1,868	1,816	2,743	2,827	2,212	1,730	1,353	2,848	1,806	2,172
	HV	736	679	780	773	821	698	858	995	931	945	854	776	575	441	339	260	654	838	708
	SPD	56.0	56.0	56.0	61.5	61.5	61.5	61.5	61.5	61.5	63.0	63.0	63.0	63.0	61.5	61.5	61.5	56	63	62
	total	4272	3959	3634	2955	2599	2333	2477	3008	2776	2814	2669	3519	3402	2853	2069	1613			
	% HV	17	17	21	26	32	30	35	33	34	34	32	22	17	17	16	16			
	BNL	79	78	78	77	76	76	76	77	77	77	76	78	78	78	76	74			
	% HV	2	2	3	3	4	4	4	4	4	4	4	3	2	2	2	2			
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
5807	Distance	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60			
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
	Angle	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	Average Level over 16 hr		
	Facade Noise Levels dB(A)	73.6	73.7	74.3	75.2	75.1	74.5	74.4	74.9	75.4	75.1	74.4	74.6	74.3	72.3	70.4	68.4	74.1		
	HKPSG Exceedances	3.6	3.7	4.3	5.2	5.1	4.5	4.4	4.9	5.4	5.1	4.4	4.6	4.3	2.3	0.4	-1.8			
	14 = number of hours exceeded 70 dB(A)																			
	LV	3,512	3,777	3,403	3,032	2,073	2,167	2,641	3,269	2,985	2,937	3,174	3,467	2,760	2,475	2,428	2,096	3,201	3,076	2,817
	HV	2,844	2,450	2,369	2,640	3,360	2,860	2,340	2,740	4,080	3,114	2,703	3,415	2,460	1,920	1,680	1,800	2,299	2,693	2,723
	SPD	75.5	75.5	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	76	74	74
	total	6356	6227	5772	5672	5432	5027	4981	6009	7064	6051	5877	6883	5219	4395	4108	3896			
	% HV	45	39	41	47	62	57	47	46	58	51	46	50	47	44	41	46			
	BNL	80	80	80	80	80	79	79	80	81	80	80	81	79	79	78	78			
	% HV	6	6	6	6	7	7	6	6	7	6	6	6	6	6	6	6			
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
5808	Distance	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21			
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
	Angle	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	Average Level over 16 hr		
	Facade Noise Levels dB(A)	84.7	84.2	84.0	84.2	85.0	84.4	83.7	84.4	85.9	84.8	84.3	85.3	83.9	82.9	82.4	82.6	84.3		
	HKPSG Exceedances	14.7	14.2	14.0	14.2	15.0	14.4	13.7	14.4	15.9	14.8	14.3	15.3	13.9	12.9	12.4	12.5			
	16 = number of hours exceeded 70 dB(A)																			

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2016CTS-3(815100)MAIN MODEL RUN-V84 SCII PRAC NET MED Fleet Budget Toll New Bus

Stn.		Hour Start / 2-way Hourly Traffic Volume (veh.) or Speed (km/hr)																						Model Output		
		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	AM	PM	QP						
5810	LV	1,778	2,157	2,020	1,983	1,665	1,703	1,380	1,557	1,734	1,849	1,996	2,179	1,881	1,346	1,452	1,525	1,946	2,026	1,701						
	HV	1,166	1,626	1,818	2,103	2,117	1,816	1,798	1,986	1,928	2,102	1,557	1,786	1,384	1,077	917	823	1,520	1,647	1,645						
	SPD	36.3	36.3	36.3	34.0	34.0	34.0	34.0	34.0	34.0	34.5	34.5	34.5	34.5	34.0	34.0	34.0	36	35	34						
	total	2944	3782	3838	4088	3782	3519	3179	3544	3662	3951	3654	3965	3265	2423	2370	2348									
	% HV	40	43	47	51	56	52	57	56	53	53	45	45	42	44	39	35									
	BNL	77	78	78	78	78	78	77	78	78	78	78	78	77	76	76	76									
	% HV	4	4	4	5	5	5	5	5	5	5	4	4	4	4	4	3									
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
	Distance	12	Distance	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1									
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0									
5816	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5									
	Facade Noise Levels dB(A)	81.1	82.5	82.9	83.5	83.5	82.9	82.8	83.2	83.1	83.5	82.5	82.9	81.8	80.7	80.1	79.7									
	HKPSG Exceedances	11.1	12.5	12.9	13.5	13.5	12.9	12.8	13.2	13.1	13.5	12.5	12.9	11.8	10.7	10.1	9.7									
	16	= number of hours exceeded 70 dB(A)																								
	LV	1,111	1,400	1,041	909	881	853	844	922	973	941	1,090	1,237	1,190	1,073	967	871	1,306	1,081	970						
	HV	887	900	1,117	1,218	1,188	1,132	1,140	1,176	1,182	1,160	1,078	912	795	652	535	439	919	1,044	968						
	SPD	23.5	23.5	23.5	25.0	25.0	25.0	25.0	25.0	25.0	23.0	23.0	23.0	23.0	25.0	25.0	25.0	24	23	25						
	total	1998	2299	2159	2127	2069	1985	1983	2098	2155	2100	2189	1985	1725	1502	1310										
	% HV	44	39	52	57	57	57	57	56	55	55	50	42	40	38	34										
	BNL	75	76	76	75	75	75	75	76	76	75	76	76	75	75	74	73									
5818	% HV	5	5	6	6	6	6	6	6	6	6	5	5	4	4	4										
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
	Distance	12	Distance	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1									
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0									
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5									
	Facade Noise Levels dB(A)	80.6	80.7	81.6	81.7	81.6	81.4	81.4	81.5	81.6	81.8	81.5	80.8	80.3	79.2	78.3	77.5									
	HKPSG Exceedances	10.6	10.7	11.6	11.7	11.6	11.4	11.4	11.5	11.6	11.8	11.5	10.8	10.3	9.2	8.3	7.5									
	16	= number of hours exceeded 70 dB(A)																								
	LV	563	646	511	477	462	447	443	484	510	492	564	646	625	563	507	457	603	559	509						
	HV	433	472	557	581	567	540	544	561	584	566	560	454	379	311	255	210	482	542	461						
5823	SPD	27.0	27.0	27.0	28.5	28.5	28.5	28.5	28.5	28.5	27.0	27.0	27.0	27.0	28.5	28.5	28.5	27	27	29						
	total	995	1118	1068	1058	1029	988	987	1045	1074	1058	1124	1099	1004	874	763	667									
	% HV	43	42	52	55	55	55	55	54	52	53	50	41	38	36	33	31									
	BNL	72	73	72	72	72	72	72	72	73	72	73	73	72	72	71	70									
	% HV	5	4	5	5	5	5	5	5	5	5	5	4	4	4	3	3									
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
	Distance	12	Distance	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1									
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0									
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5									
	Facade Noise Levels dB(A)	77.1	77.5	78.1	78.1	78.0	77.8	77.9	78.0	78.0	78.2	78.1	77.3	76.6	75.7	74.8	74.0									
5834	HKPSG Exceedances	7.1	7.5	8.1	8.1	8.0	7.8	7.9	8.0	8.0	8.2	8.1	7.3	6.6	5.7	4.8	4.0									
	16	= number of hours exceeded 70 dB(A)																								
	LV	658	930	737	569	651	610	598	646	660	670	689	739	749	598	756	634	850	676	658						
	HV	1,145	1,163	1,559	1,921	1,583	1,520	1,688	1,792	1,728	1,561	1,396	1,153	927	669	439	470	1,208	1,298	1,306						
	SPD	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	17	18	20						
	total	1803	2093	2296	2490	2234	2130	2286	2437	2389	2230	2085	1892	1676	1268	1195	1104									
	% HV	64	56	68	77	71	71	74	74	72	70	67	61	55	53	37	43									
	BNL	75	75	76	76	76	75	76	76	76	76	75	75	74	73	73	73									
	% HV	7	7	7	8	8	8	8	8	8	8	7	7	7	6	5	5									
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
5852	Distance	15	Distance	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1									
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0									
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5									
	Facade Noise Levels dB(A)	82.3	82.4	83.6	84.5	83.7	83.5	83.9	84.2	84.0	83.6	83.1	82.3	81.4	80.0	78.3	78.5									
	HKPSG Exceedances	12.3	12.4	13.6	14.5	13.7	13.5	13.9	14.2	14.0	13.6	13.1	12.3	11.4	10.0	8.3	8.5									
	16	= number of hours exceeded 70 dB(A)																								
	LV	443	395	369	274	229	219	225	228	250	241	252	403	563	425	321	242	352	264	320						
	HV	575	505	617	627	636	552	619	689	708	639	565	571	555	359	232	150	516	558	536						
	SPD	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	19	18	18						
	total	1017	900	986	901	865	771	844	897	958	880	817	975	1119	784	553	392									
	% HV	56	56	63	70	74	72	73	75																	

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Stn.		Hour Start/2-way Hourly Traffic Volume (veh.) or Speed (km/hr)																Model Output		
		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	AM	PM	OP
5855	LV	1,843	1,372	1,205	1,307	1,114	1,101	1,226	1,248	1,338	1,581	1,753	2,138	2,167	1,730	1,381	1,102	1,209	1,710	1,480
	HV	1,217	1,458	1,734	1,792	1,888	1,899	1,749	2,227	2,096	1,925	1,662	1,552	1,218	967	767	608	1,401	1,631	1,539
	SPD	52.0	52.0	52.0	48.5	48.5	48.5	48.5	48.5	48.5	45.5	45.5	45.5	45.5	48.5	48.5	48.5	52	46	49
	total	3061	2828	2940	3099	2982	2800	2975	3476	3434	3505	3415	3690	3386	2696	2148	1711			
	% HV	40	51	59	58	63	61	59	64	61	55	49	42	36	36	36	36			
	BNL	77	77	77	77	77	77	77	78	78	78	78	78	77	77	76	75			
	% HV	4	5	6	5	6	6	6	6	6	5	5	4	4	4	4	4			
	Gradient	6	Gradient																	
	Distance	50	Distance																	
	Surface	1	Surface																	
6001	LV	3,504	3,137	2,405	2,388	2,034	2,011	2,238	2,279	2,443	2,863	3,073	3,836	3,958	3,158	2,521	2,013	2,754	2,997	2,702
	HV	2,391	2,905	3,422	3,505	3,853	3,322	3,421	4,356	4,099	3,696	3,000	2,923	2,383	1,890	1,499	1,189	2,795	2,944	3,009
	SPD	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	44.0	44.0	44.0	44.0	45.5	45.5	45.5	46	44	46
	total	5895	6042	5827	5891	5886	5333	5659	6835	6542	6559	6073	6759	6340	5049	4021	3202			
	% HV	41	48	59	59	64	62	60	66	63	56	49	43	38	37	37	37			
	BNL	80	80	80	80	80	79	80	80	80	80	80	80	80	79	78	77			
	% HV	4	5	5	5	6	6	6	6	6	5	5	4	4	4	4	4			
	Gradient	0	Gradient																	
	Distance	50	Distance																	
	Surface	1	Surface																	
6002	LV	2,501	2,544	1,782	1,647	1,404	1,388	1,545	1,573	1,688	1,993	2,214	2,697	2,731	2,180	1,740	1,389	2,241	2,159	1,865
	HV	1,895	2,351	2,729	2,753	2,879	2,819	2,697	3,434	3,232	2,927	2,412	2,325	1,879	1,490	1,182	938	2,262	2,367	2,372
	SPD	35.0	35.0	35.0	38.5	38.5	38.5	38.5	38.5	38.5	35.0	35.0	35.0	35.0	38.5	38.5	38.5	35	35	39
	total	4396	4895	4511	4410	4283	4007	4242	5007	4917	4919	4628	5022	4609	3670	2922	2327			
	% HV	43	48	60	63	67	65	64	69	66	59	52	46	41	41	40	40			
	BNL	79	79	79	79	79	78	78	79	79	79	79	79	79	78	77	76			
	% HV	4	5	5	6	6	6	6	6	6	5	5	4	4	4	4	4			
	Gradient	0	Gradient																	
	Distance	50	Distance																	
	Surface	1	Surface																	
6009	LV	1,175	1,083	750	609	610	587	586	667	606	743	927	1,140	971	717	530	391	982	928	700
	HV	533	596	688	804	785	684	672	747	851	791	705	694	635	396	247	154	592	697	618
	SPD	35.5	35.5	35.5	38.0	38.0	38.0	38.0	38.0	38.0	36.5	36.5	36.5	36.5	38.0	38.0	38.0	36	37	38
	total	1708	1679	1438	1413	1396	1271	1258	1414	1457	1533	1631	1835	1606	1113	777	545			
	% HV	31	36	48	57	56	54	53	53	58	52	43	38	40	36	32	28			
	BNL	75	74	74	74	74	74	73	74	74	74	74	74	75	74	73	71			
	% HV	3	3	5	5	5	5	5	5	5	5	4	4	4	3	3	3			
	Gradient	0	Gradient																	
	Distance	12	Distance																	
	Surface	1	Surface																	
6011	LV	931	1,137	863	772	748	723	716	782	825	789	881	1,026	1,010	910	820	739	1,061	873	823
	HV	525	569	675	707	690	657	662	683	686	682	659	543	462	379	311	255	581	638	561
	SPD	27.0	27.0	27.0	28.5	28.5	28.5	28.5	28.5	28.5	27.0	27.0	27.0	27.0	28.5	28.5	28.5	27	27	29
	total	1456	1706	1538	1479	1437	1381	1378	1465	1512	1472	1539	1569	1472	1289	1131	994			
	% HV	36	33	44	48	48	48	48	47	45	46	43	35	31	29	27	26			
	BNL	74	75	74	74	74	74	74	74	74	74	74	74	74	74	73	72			
	% HV	4	4	5	5	5	5	5	5	5	5	4	4	3	3	3	2			
	Gradient	0	Gradient																	
	Distance	12	Distance																	
	Surface	1	Surface																	
6014	LV	1,474	1,428	936	874	794	755	841	916	995	986	1,198	1,458	1,294	1,150	1,022	909	1,213	1,204	1,024
	HV	265	373	388	406	379	340	385	404	384	372	317	313	286	214	160	119	359	315	314
	SPD	43.0	43.0	43.0	43.5	43.5	43.5	43.5	43.5	43.5	42.5	42.5	42.5	42.5	43.5	43.5	43.5	43	43	44
	total	1739	1800	1324	1280	1174	1095	1226	1320	1378	1358	1516	1772	1580	1364	1182	1028			
	% HV	15	21	29	32	32	31	31	31	28	27	21	18	16	14	12	12			
	BNL	75	75	73	73	73	73	73	73	74	74	74	74	74	74	73	72			
	% HV	1	2	3	3	3	3	3	3	3	3	2	2	2	2	2	2			
	Gradient	6	Gradient																	
	Distance	12	Distance																	
	Surface	1	Surface																	

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Stn.		Hour Start / 2-way Hourly Traffic Volume (veh.) or Speed (km/hr)																Model Output		
		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	AM	PM	OP
6027	LV	737	855	827	831	698	714	579	653	727	726	626	799	789	564	609	839	771	635	713
	HV	468	823	785	787	793	680	673	744	722	811	712	712	518	403	343	308	769	708	616
	SPD	27.0	27.0	27.0	28.0	28.0	28.0	28.0	28.0	28.0	29.0	29.0	29.0	29.0	28.0	28.0	28.0	27	29	28
	total	1205	1677	1612	1619	1491	1394	1252	1397	1449	1538	1338	1511	1307	968	952	947			
	% HV	39	49	49	49	53	49	54	53	50	53	53	47	40	42	36	33			
	BNL	73	74	74	74	74	74	73	74	74	74	73	74	73	72	72	72			
	% HV	4	5	5	5	5	5	5	5	5	5	5	5	4	4	4	3			
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance	8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
6028	LV	1320	1455	1332	1065	884	644	457	401	605	631	1039	1134	1229	907	763	717	1317	1080	815
	HV	993	998	1191	1209	928	671	912	974	955	925	1015	1408	1050	735	753	799	906	1082	963
	SPD	27.0	27.0	27.0	28.0	28.0	28.0	28.0	28.0	28.0	27.0	27.0	27.0	27.0	28.0	28.0	28.0	27	27	28
	total	2313	2454	2523	2274	1811	1315	1369	1375	1580	1555	2054	2542	2279	1642	1518	1516			
	% HV	43	41	47	53	58	51	67	71	61	59	49	55	46	45	50	53			
	BNL	76	76	76	76	74	73	74	74	74	74	75	76	76	74	74	74			
	% HV	4	4	5	5	6	5	6	6	6	6	5	5	5	5	5	5			
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10			
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
6030	LV	862	737	723	723	692	708	648	677	747	690	808	879	859	664	673	630	673	760	729
	HV	156	160	222	289	247	187	244	263	258	257	211	215	153	110	80	55	159	212	195
	SPD	30.0	30.0	30.0	29.0	29.0	29.0	29.0	29.0	29.0	28.5	28.5	28.5	28.5	29.0	29.0	29.0	30	29	29
	total	1018	898	946	992	939	895	792	940	1005	947	1019	1094	1012	775	752	685			
	% HV	15	18	24	27	26	21	31	28	26	27	21	20	15	14	11	8			
	BNL	72	72	72	72	72	72	71	72	72	72	72	73	72	71	71	71			
	% HV	1	1	2	3	3	2	3	3	2	3	2	2	1	0	0	-1			
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8			
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
6033	LV	1666	1838	1453	1351	1294	1324	1025	1265	1397	1325	1713	1738	1808	1242	1258	1178	1495	1611	1383
	HV	1013	1179	1495	1595	1559	1179	1537	1659	1627	1640	1368	1383	965	695	502	345	1168	1394	1230
	SPD	23.5	23.5	23.5	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	24	19	20
	total	2678	2817	2948	3046	2853	2503	2562	2925	3023	2964	3099	3122	2570	1937	1759	1523			
	% HV	38	42	51	58	55	47	60	57	54	55	45	44	38	36	29	23			
	BNL	76	77	77	77	77	76	76	77	77	77	77	77	76	75	75	74			
	% HV	4	5	6	7	7	6	7	7	6	7	6	6	5	5	4	3			
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8			
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
6040	LV	2503	2050	1542	1342	1345	1293	1290	1468	1334	1596	1819	2385	2139	1580	1167	862	1859	1821	1542
	HV	870	999	1129	1302	1272	1109	1089	1210	1378	1286	1160	1133	1029	641	400	249	992	1147	1001
	SPD	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	9	9	14
	total	3373	3049	2670	2644	2617	2402	2379	2679	2713	2881	2978	3518	3168	2222	1567	1111			
	% HV	26	33	42	49	49	46	46	45	51	45	39	32	32	29	26	22			
	BNL	77	77	76	76	76	76	76	76	77	77	77	78	77	76	74	73			
	% HV	4	5	6	6	6	6	6	6	6	6	5	4	4	4	4	3			
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8			
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
6051	LV	471	534	593	579	528	471	562	659	587	689	717	704	659	448	416	385	504	722	547
	HV	460	387	457	661	655	598	522	614	696	607	579	589	385	251	140	148	367	557	491
	SPD	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	67.5	67.5	67.5	67.5	70.0	70.0	70.0	70	68	70
	total	931	920	1050	1240	1183	1069	1084	1273	1283	1296	1296	1293	1044	699	556	513			
	% HV	49	42	44	53	55	56	48	48	54	47	45	46	37	36	25	29			
	BNL	72	72	72	73	73	72	73	73	73	73	73	73	73	72	71	69			
	% HV	6	5	6	6	6	6	6	6	6	6	6	6	5	5	4	4			
	Gradient	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3			
	Distance	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25			
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			

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Stn.		Hour Start / 2-way Hourly Traffic Volume (veh.) or Speed (km/hr)																Model Output		
		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	AM	PM	OP
6057	LV	2,156	1,649	1,302	1,176	1,178	1,133	1,130	1,286	1,169	1,378	1,480	2,024	1,874	1,384	1,023	755	1,496	1,482	1,351
	HV	655	607	798	1,036	1,013	883	867	964	1,098	1,013	882	883	819	511	318	199	803	873	797
	SPD	42.8	42.8	42.8	41.8	41.8	41.8	41.8	41.8	41.8	41.0	41.0	41.0	41.0	41.8	41.8	41.8	43	41	42
	total	2811	2257	2100	2212	2191	2015	1997	2250	2267	2391	2362	2907	2693	1895	1341	954			
	% HV	23	27	38	47	46	44	43	43	48	42	37	30	30	27	24	21			
	BNL	77	76	75	76	76	75	75	76	76	76	76	77	77	75	73	72			
	% HV	2	3	4	4	4	4	4	4	5	4	4	3	3	3	2	2			
	Gradient	3	Gradient	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
	Distance	12	Distance	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
6059	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr		
	Facade Noise Levels dB(A)	80.1	79.6	80.5	81.4	81.3	80.8	80.7	81.2	81.5	81.4	80.9	81.0	80.7	79.8	75.9	75.0	80.4		
	HKPSG Exceedances	10.1	9.8	10.5	11.4	11.3	10.8	10.7	11.2	11.6	11.4	10.9	11.0	10.7	8.8	6.9	5.0			
	16	= number of hours exceeded 70 dB(A)																		
	LV	1,542	1,448	1,327	1,268	1,212	1,280	980	1,185	1,308	1,221	1,489	1,573	1,504	1,163	1,178	1,103	1,322	1,400	1,277
	HV	1,034	1,157	1,509	1,747	1,807	1,215	1,585	1,711	1,677	1,661	1,323	1,375	994	717	517	356	1,147	1,331	1,268
	SPD	39.0	39.0	39.0	36.8	36.8	36.8	36.8	36.8	36.8	35.0	35.0	35.0	35.0	36.8	36.8	36.8	39	35	37
	total	2576	2608	2837	3013	2819	2455	2565	2895	2985	2881	2811	2949	2498	1880	1695	1459			
	% HV	40	44	53	58	57	49	62	59	56	58	47	47	40	38	31	24			
	BNL	76	76	77	77	77	76	76	77	77	77	77	77	76	75	74	74			
	% HV	4	4	5	5	5	5	6	5	5	5	4	4	4	4	3	2			
6201	Gradient	0	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance	21	Distance	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3			
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr		
	Facade Noise Levels dB(A)	78.6	79.0	80.0	80.6	80.3	79.1	80.2	80.5	80.5	80.4	79.5	79.7	78.4	77.0	75.8	74.3	79.3		
	HKPSG Exceedances	8.6	9.0	10.0	10.6	10.3	9.1	10.2	10.5	10.5	10.4	9.5	9.7	8.4	7.0	5.8	4.3			
	16	= number of hours exceeded 70 dB(A)																		
	LV	4,544	5,132	4,596	4,103	3,257	3,328	3,111	3,715	3,779	4,255	5,077	5,581	4,814	4,181	3,631	3,154	4,805	5,014	3,926
	HV	2,968	3,089	4,189	5,101	4,851	5,033	4,635	5,274	5,208	4,832	3,666	3,172	2,462	1,883	1,440	1,102	3,129	3,503	3,784
	SPD	57.5	57.5	57.5	56.5	56.5	56.5	56.5	56.5	56.5	55.5	55.5	55.5	55.5	56.5	56.5	56.5	58	56	57
	total	7512	8221	8785	9203	8109	8362	7746	8990	8988	9088	8743	8753	7276	6064	5071	4255			
	% HV	40	38	48	55	60	60	60	59	58	53	42	36	34	31	28	26			
	BNL	81	81	82	82	81	81	81	82	82	82	82	82	81	80	79	78			
	% HV	5	4	5	6	6	6	6	6	5	5	4	4	4	4	3	3			
6203	Gradient	0	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance	15	Distance	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr		
	Facade Noise Levels dB(A)	85.1	85.3	86.4	87.1	86.8	87.0	86.6	87.2	87.2	86.9	85.9	85.4	84.3	83.3	82.3	81.2	85.8		
	HKPSG Exceedances	15.1	15.3	16.4	17.1	16.8	17.0	16.6	17.2	17.2	16.9	15.9	15.4	14.3	13.3	12.3	11.2			
	16	= number of hours exceeded 70 dB(A)																		
	LV	2,419	3,096	2,793	2,660	2,234	2,284	1,852	2,089	2,326	2,476	2,662	2,914	2,524	1,806	1,948	2,045	2,793	2,701	2,281
	HV	1,034	1,261	1,553	1,924	1,936	1,662	1,645	1,817	1,784	1,887	1,380	1,569	1,266	986	839	753	1,179	1,372	1,505
	SPD	35.0	35.0	35.0	35.5	35.5	35.5	35.5	35.5	35.5	34.5	34.5	34.5	34.5	35.5	35.5	35.5	35	35	36
	total	3453	4357	4346	4584	4170	3946	3497	3906	4090	4363	4042	4484	3790	2791	2787	2798			
	% HV	30	29	36	42	46	42	47	47	43	43	34	35	33	35	30	27			
	BNL	78	79	79	79	78	78	78	78	78	78	79	78	78	77	77	77			
	% HV	3	3	3	4	4	4	4	4	4	4	3	3	3	3	3	2			
6213	Gradient	3	Gradient	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
	Distance	12	Distance	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr		
	Facade Noise Levels dB(A)	81.7	82.6	83.3	84.1	84.1	83.5	83.4	83.8	83.7	84.0	82.8	83.4	82.5	81.3	80.8	80.4	83.0		
	HKPSG Exceedances	11.7	12.6	13.3	14.1	14.1	13.5	13.4	13.8	13.7	14.0	12.8	13.4	12.5	11.3	10.8	10.4			
	16	= number of hours exceeded 70 dB(A)																		
	LV	2,277	2,738	2,465	1,960	1,667	1,982	2,065	1,673	2,011	2,438	2,592	2,717	2,857	2,278	1,953	1,675	2,823	2,583	2,083
	HV	1,798	2,150	2,584	2,814	2,991	2,830	2,950	2,843	2,859	2,774	2,401	2,271	1,516	1,349	1,200	1,067	2,082	2,286	2,268
	SPD	43.5	43.5	43.5	45.5	45.5	45.5	45.5	45.5	45.5	40.0	40.0	40.0	40.0	45.5	45.5	45.5	44	40	46
	total	4073	4888	5048	4774	4658	4812	5015	4517	4870	5212	4993	4988	4173	3627	3153	2742			
	% HV	44	44	51	59	64	57	59	63	57	53	48	46	38	37	38	39			
	BNL	78	79	79	79	79	79	79	79	79	79	79	79	78	78	77	77			
	% HV	4	4	5	5	6	5	5	5	5	5	4	4	4	4	4	4			