

Future Year Hourly Profile of Traffic Volume and Noise																	Model Output				
2016CTS-3(815100)MAIN MODEL RUN-V83 SCII Full Hi/Hi Fleet Budget Toll New Bus																					
Hour Start / 2-way Hourly Traffic Volume (veh.) or Speed (km/hr)																					
Stn.	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	AM	PM	OP		
1003	LV	6,768	9,088	9,995	7,928	7,429	7,328	5,526	6,711	7,561	8,428	7,833	9,004	8,309	7,084	6,006	5,106	8,520	7,940	7,302	
	HV	1,136	1,409	2,158	2,595	2,578	2,542	2,081	2,380	2,315	2,423	2,169	1,272	833	533	341	218	1,551	2,014	1,658	
	SPD	66.0	66.0	66.0	73.0	73.0	73.0	73.0	73.0	73.0	71.0	71.0	71.0	71.0	73.0	73.0	73.0	66	71	73	
	total	7904	10495	12153	10522	10007	9869	7607	9071	9877	10851	10003	10275	9143	7597	6346	5324				
	% HV	14	13	18	25	26	26	27	26	23	22	22	12	9	7	5	4				
	BNL	81	82	83	82	82	82	81	82	82	83	82	82	82	81	80	79				
	% HV	2	2	3	4	4	4	4	4	4	4	4	0	0	0	0	0				
	Gradient	0	0	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	-2	Average Level over 16 hr		
	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	81.1		
1004	LV	3,080	3,202	2,848	3,008	2,850	2,921	2,422	2,850	2,833	3,062	3,498	3,463	3,579	3,334	3,105	2,893	2,914	3,405	3,030	
	HV	1,512	1,868	2,092	2,450	2,303	2,160	2,192	2,314	2,397	2,111	1,617	1,315	1,098	1,033	972	914	1,881	1,518	1,792	
	SPD	27.5	27.5	27.5	30.0	30.0	30.0	30.0	30.0	30.0	30.5	30.5	30.5	30.5	30.0	30.0	30.0	28	31	30	
	total	4592	5070	4938	5458	5154	5081	4613	5164	5230	5162	5115	4778	4678	4367	4077	3807				
	% HV	33	37	42	45	45	43	48	45	46	41	32	28	23	24	24	24				
	BNL	79	79	79	80	79	79	79	79	79	79	79	79	79	79	78	78				
	% HV	3	4	4	4	4	4	5	4	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	Distance	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	Average Level over 16 hr		
	Surface	p	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	81.3		
1017	LV	2,212	2,897	2,200	2,011	1,907	1,955	1,621	1,907	1,896	1,993	2,111	2,204	2,395	2,231	2,078	1,936	2,637	2,055	2,028	
	HV	984	1,229	1,368	1,588	1,493	1,400	1,420	1,500	1,553	1,359	1,014	840	712	670	630	592	1,237	952	1,162	
	SPD	28.8	28.8	28.8	30.8	30.8	30.8	30.8	30.8	30.8	33.5	33.5	33.5	33.5	30.8	30.8	30.8	29	34	31	
	total	3196	4126	3568	3599	3400	3354	3041	3407	3449	3351	3125	3045	3107	2901	2708	2528				
	% HV	31	30	38	44	44	42	47	44	45	41	32	28	23	23	23	23				
	BNL	77	78	78	78	78	77	77	77	78	78	77	77	77	77	77	76				
	% HV	3	3	4	4	4	4	5	4	4	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	8	Distance	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	Average Level over 16 hr		
	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	79.9	82.5	
1219	LV	1,279	2,097	2,200	1,688	1,613	1,849	1,685	1,833	1,973	1,956	2,046	2,328	2,622	1,973	1,484	1,118	1,983	2,049	1,815	
	HV	839	1,266	1,348	1,282	1,409	1,269	1,360	1,233	1,289	1,330	1,379	1,135	1,061	735	510	353	1,241	1,327	1,064	
	SPD	32.7	32.7	32.7	35.7	35.7	35.7	35.7	35.7	35.7	31.5	31.5	31.5	31.5	35.7	35.7	35.7	33	32	36	
	total	2118	3363	3547	2968	3022	3118	3045	3068	3262	3286	3426	3463	3683	2708	1993	1469				
	% HV	40	38	38	43	47	41	45	40	40	40	40	33	29	27	26	24				
	BNL	75	77	78	77	77	77	77	77	77	77	78	78	78	77	75	74				
	% HV	4	4	4	4	4	4	4	4	4	4	4	3	3	2	2	2				
	Gradient	3	Gradient	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	Average Level over 16 hr		
	Distance	5	Distance	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	79.8	84.5	
	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	84.5		
1404	LV	5,216	7,942	8,008	5,893	5,524	5,448	4,108	4,990	5,622	6,408	6,407	7,005	6,178	5,252	4,465	3,796	7,447	6,494	5,429	
	HV	1,218	1,652	2,383	2,703	2,585	2,547	2,168	2,458	2,412	2,624	2,582	1,426	868	555	355	227	1,818	2,387	1,727	
	SPD	74.0	74.0	74.0	79.0	79.0	79.0	79.0	79.0	79.0	75.0	75.0	75.0	75.0	79.0	79.0	79.0	74	75	79	
	total	6435	9594	10390	8597	8209	8095	6276	7447	8033	9031	8988	8431	7046	5807	4820	4023				
	% HV	19	17	23	31	33	33	33	33	30	29	29	17	12	10	7	6				
	BNL	80	82	82	82	81	81	80	81	81	82	82	81	81	80	79	78				
	% HV	3	3	4	5	5	5	5	5	5	5	5	3	3	2	2	2				
	Gradient	0	0	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	0	Average Level over 16 hr		
	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	83.8		
1422	LV	2,218	3,774	3,533	2,414	2,263	2,232	1,583	2,044	2,303	2,589	2,893	3,012	2,531	2,152	1,829	1,555	3,539	2,932	2,224	
	HV	613	838	1,202	1,357	1,348	1,329	1,068	1,234	1,211	1,360	1,431	758	436	279	178	114	922	1,329	867	
	SPD	57.0	57.0	57.0	64.5	64.5	64.5	64.5	64.5	64.5	57.0	57.0	57.0	57.0	64.5	64.5	64.5	57	57	65	
	total	2831	4812	4736	3771	3811	3561	2771	3278	3514	4048	4324	3771	2987	2430	2007	1669				
	% HV	22	18	25	36	37	37	39	38	34	33	33	20	15	11	9	7				
	BNL	77	79	79	78	78	78	77	77	78	78	79	78	77	78	75	74				
	% HV	3	2	3	5	5	5	5	5	5	4	4	2	2	2	2	2				
	Gradient	6	Gradient	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	Average Level over 16 hr		
	Distance	12	Distance	-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	83.2		
	Surface	1	Surface	-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	77.3		

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Future Year Hourly Profile of Traffic Volume and Speed

2016CTS-3(815100)MAIN MODEL RUN-V83 SCIII Full Hi/Hi 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						
1424	LV	1,968	2,389	1,908	1,835	1,740	1,783	1,479	1,740	1,730	1,850	2,072	2,083	2,185	2,036	1,896	1,766	2,174	2,017	1,850						
	HV	816	1,022	1,134	1,315	1,237	1,169	1,177	1,242	1,287	1,113	798	681	590	555	522	491	1,029	749	962						
	SPD	39.0	39.0	39.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	39	41	41						
	total	2783	3411	3042	3150	2977	2943	2655	2982	3016	2963	2870	2764	2775	2590	2418	2257									
	% HV	29	30	37	42	42	39	44	42	43	38	28	25	21	21	22	22									
	BNL	77	78	77	77	77	77	76	77	77	77	77	77	77	77	76	76									
	% HV	3	3	4	4	4	4	4	4	4	4	3	2	2	2	2	2									
	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									
1433	LV	595	684	731	745	766	795	755	764	786	797	765	765	917	778	660	559	632	744	758						
	HV	374	392	506	609	694	538	594	527	601	541	318	276	209	148	105	74	401	312	421						
	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	17	13						
	total	968	1076	1237	1355	1460	1333	1348	1291	1387	1338	1084	1041	1127	926	764	633									
	% HV	39	36	41	45	48	40	44	41	43	40	29	27	19	16	14	12									
	BNL	72	73	73	74	74	73	73	73	74	73	73	72	73	72	71	70									
	% HV	5	5	5	6	6	5	6	5	6	5	4	4	2	2	1	1									
	Gradient	0	0	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									
1443	LV	1,459	1,709	1,399	1,377	1,306	1,338	1,109	1,306	1,298	1,358	1,416	1,495	1,640	1,527	1,423	1,325	1,555	1,378	1,388						
	HV	810	1,072	1,147	1,281	1,204	1,129	1,146	1,210	1,253	1,107	856	692	574	540	508	478	1,079	804	937						
	SPD	26.0	26.0	26.0	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	26	30	26						
	total	2269	2780	2546	2658	2510	2467	2255	2516	2551	2465	2272	2187	2214	2067	1931	1803									
	% HV	36	39	45	48	48	46	51	48	49	45	38	32	26	26	26	27									
	BNL	78	77	76	76	76	76	76	76	76	76	76	76	76	76	75	75									
	% HV	4	4	5	5	5	5	5	5	5	4	4	3	2	3	3	3									
	Gradient	0	0	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									
1617	LV	3,077	3,762	2,981	2,864	2,716	2,783	2,308	2,716	2,699	2,873	3,172	3,221	3,410	3,177	2,959	2,756	3,424	3,088	2,887						
	HV	1,192	1,445	1,639	1,943	1,827	1,713	1,738	1,835	1,900	1,622	1,697	976	871	819	771	725	1,455	1,030	1,421						
	SPD	38.0	38.0	38.0	39.5	39.5	39.5	39.5	39.5	39.5	39.5	41.0	41.0	41.0	41.0	39.5	39.5	38	41	40						
	total	4269	5207	4620	4806	4542	4496	4045	4551	4600	4496	4269	4196	4281	3996	3729	3481									
	% HV	28	28	35	40	40	38	43	40	41	36	26	23	20	21	21	21									
	BNL	79	79	79	79	79	79	78	79	79	79	79	79	79	78	78	78									
	% HV	3	3	3	4	4	4	4	4	4	4	2	2	2	2	2	2									
	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									
1642	LV	975	1,589	1,530	1,077	1,009	995	751	912	1,027	1,190	1,250	1,322	1,129	960	816	694	1,490	1,267	992						
	HV	326	465	649	711	706	696	570	846	634	688	671	372	228	146	93	60	512	623	454						
	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	69	69						
	total	1301	2054	2179	1787	1715	1691	1321	1558	1661	1877	1895	1357	1106	909	753	753									
	% HV	25	23	30	40	41	41	43	41	38	37	35	22	17	13	10	8									
	BNL	73	75	76	75	75	74	73	74	74	75	75	74	74	73	72	71									
	% HV	4	4	4	5	5																				

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2016CTS-3(815100)MAIN MODEL RUN-V83 SCIII Full Hi/Hi Fleet Budget Toll New Bus									
		Hour Start / 2-way Hourly Traffic Volume (veh.)		Speed (km/hr)					
		Volume		Speed					
		15		17		18			
1		15		17		18			
2		15		17		18			
3		15		17		18			
4		15		17		18			
5		15		17		18			
6		15		17		18			
7		15		17		18			
8		15		17		18			
9		15		17		18			
10		15		17		18			
11		15		17		18			
12		15		17		18			
13		15		17		18			
14		15		17		18			
15		15		17		18			
16		15		17		18			
17		15		17		18			
18		15		17		18			
19		15		17		18			
20		15		17		18			
21		15		17		18			
22		15		17		18			
23		15		17		18			
24		15		17		18			
25		15		17		18			
26		15		17		18			
27		15		17		18			
28		15		17		18			
29		15		17		18			
30		15		17		18			
31		15		17		18			
32		15		17		18			
33		15		17		18			
34		15		17		18			
35		15		17		18			
36		15		17		18			
37		15		17		18			
38		15		17		18			
39		15		17		18			
40		15		17		18			
41		15		17		18			
42		15		17		18			
43		15		17		18			
44		15		17		18			
45		15		17		18			
46		15		17		18			
47		15		17		18			
48		15		17		18			
49		15		17		18			
50		15		17		18			
51		15		17		18			
52		15		17		18			
53		15		17		18			
54		15		17		18			
55		15		17		18			
56		15		17		18			
57		15		17		18			
58		15		17		18			
59		15		17		18			
60		15		17		18			
61		15		17		18			
62		15		17		18			
63		15		17		18			
64		15		17		18			
65		15		17		18			

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2016CTS-3(815100)MAIN MODEL RUN-V83 SCIII Full H/HI Fleet Budget Toll New Bus

Future Year Hourly Profile of Traffic																		Model Output		
2016CTS-3(815100)MAIN MODEL RUN-V83 SCIII Full HI/Hi Fleet Budget Toll New Bus																		AM	PM	OP
		Hour Start / 2-way Hourly Traffic Volume (veh.) or Speed (km/hr)																		
Stn.		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22			
2033	LV	711	1,141	1,214	943	902	1,034	942	1,025	1,103	1,018	797	1,115	1,487	1,103	830	624	1,079	798	1,015
	HV	452	699	732	585	753	679	727	659	689	850	501	506	567	393	272	189	685	482	569
	SPD	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	21.0	21.0	21.0	21.0	20.0	20.0	20.0			
	total	1163	1840	1947	1628	1655	1713	1669	1685	1792	1669	1298	1622	2034	1496	1102	813			
	% HV	39	38	38	42	46	40	44	39	38	39	39	31	28	26	25	23			
	BNL	73	75	75	74	74	75	74	74	75	74	73	74	75	74	73	71			
	% HV	5	5	5	5	6	5	6	5	5	5	5	4	4	4	3	3			
	Gradient	3	Gradient																	
	Distance	8	Distance																	
	Surface	1	Surface																	
2201	LV	2,705	3,289	2,756	2,179	2,008	2,006	2,020	2,078	2,413	2,233	2,305	3,132	3,353	2,622	2,050	1,603	2,833	2,290	2,383
	HV	1,090	1,113	1,176	1,201	1,268	1,232	1,204	1,224	1,292	1,218	745	920	939	680	493	357	1,078	738	1,038
	SPD	31.3	31.3	31.3	35.5	35.5	35.5	35.5	35.5	37.8	37.8	37.8	37.8	37.8	35.5	35.5	35.5			
	total	3795	4402	3932	3380	3276	3237	3224	3303	3706	3451	3049	4052	4292	3302	2543	1960			
	% HV	29	25	30	36	39	38	37	37	35	35	24	23	22	21	19	18			
	BNL	78	79	78	77	77	77	77	77	78	78	77	78	79	77	76	75			
	% HV	3	2	3	3	4	4	4	4	3	3	2	2	2	2	1	1			
	Gradient	3	Gradient																	
	Distance	10	Distance																	
	Surface	1	Surface																	
2215	LV	2,218	3,774	3,533	2,414	2,263	2,232	1,683	2,044	2,303	2,689	2,893	3,012	2,531	2,152	1,829	1,565	3,539	2,932	2,224
	HV	613	838	1,202	1,357	1,348	1,329	1,088	1,234	1,211	1,360	1,431	758	436	279	178	114	922	1,329	867
	SPD	57.0	57.0	57.0	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5			
	total	2831	4612	4736	3771	3611	3561	2771	3278	3514	4048	4324	3771	2987	2430	2007	1669			
	% HV	22	18	25	36	37	37	39	38	34	34	33	20	15	11	9	7			
	BNL	77	79	79	78	78	78	77	77	78	78	79	78	77	76	75	74			
	% HV	3	2	3	5	5	5	5	5	4	4	4	2	2	2	1	1			
	Gradient	0	Gradient																	
	Distance	20	Distance																	
	Surface	1	Surface																	
3001	LV	5,102	5,281	5,555	5,790	5,291	5,759	5,276	5,906	6,025	5,663	5,899	6,724	6,918	6,031	6,509	6,583	5,124	5,815	6,052
	HV	1,600	1,194	1,605	1,787	2,074	1,751	1,955	2,097	2,039	2,025	1,547	1,338	955	813	625	539	1,209	1,551	1,529
	SPD	53.5	53.5	53.5	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.5	48.5	48.5	48.0	48.0	48.0			
	total	6702	6475	7160	7577	7366	7491	7232	8003	8064	7688	7447	8060	7872	6843	7234				
	% HV	24	18	28	23	28	27	27	26	26	21	17	17	13	12	9	8			
	BNL	80	80	81	81	81	81	81	81	81	81	81	81	81	81	81	81			
	% HV	3	2	3	2	3	2	3	3	3	3	3	3	3	3	3	3			
	Gradient	3	Gradient																	
	Distance	21	Distance																	
	Surface	1	Surface																	
3002	LV	4,995	5,206	4,922	4,816	3,101	2,843	2,618	2,926	3,658	4,963	4,082	5,176	4,150	2,935	3,599	3,427	4,631	4,393	3,810
	HV	1,757	1,928	2,386	2,915	3,620	3,156	3,111	3,803	3,609	3,038	2,539	2,669	2,369	1,533	948	884	1,882	2,402	2,622
	SPD	55.0	55.0	55.0	53.5	53.5	53.5	53.5	53.5	53.5	52.8	52.8	52.8	52.8	53.5	53.5	53.5			
	total	6752	7134	7308	7731	6721	5999	5730	6729	7267	8001	6621	7845	6519	4468	4547	4311			
	% HV	26	27	33	38	54	53	54	57	50	38	38	34	36	34	21	21			
	BNL	80	81	81	81	80	80	80	80	81	81	80	81	80	79	79	79			
	% HV	3	3	4	4	5	5	5	5	4	4	4	4	4	4	2	2			
	Gradient	9	Gradient																	
	Distance	10	Distance																	
	Surface	1	Surface																	
3010	LV	1,345	2,086	1,980	1,884	1,547	1,611	1,702	1,751	1,939	1,771	1,372	1,859	2,022	1,613	1,288	1,028	2,003	1,464	1,641
	HV	475	548	762	798	800	802	715	876	838	760	664	595	465	348	261	195	565	670	621
	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			
	total	1820	2614	2742	2483	2347	2413	2417	2630	2777	2532	2057	2454	2486	1961	1548	1223			
	% HV	26	21	28	32	34	33	30	33	30	30	33	24	19	18	17	16			
	BNL	75	76	77	78	76	76	76	76	76	77	76	75	76	76	75	74			
	% HV	4	3	4	4	5	5	4	5	4	4	5	3	2	2	2	2			
	Gradient	8	Gradient																	
	Distance	15	Distance																	
	Surface	1	Surface																	

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2016CTS-3(815100)MAIN MODEL RUN-V83 SCIII Full Hi/Hi 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
3012	LV	2,703	2,944	2,882	2,791	2,775	2,634	2,494	2,920	3,011	3,056	3,157	3,850	3,650	2,836	2,285	1,810	2,626	3,138	2,847
	HV	1,062	1,395	1,700	2,062	2,034	1,862	1,743	1,975	2,180	1,938	1,513	1,518	1,143	797	555	387	1,399	1,482	1,504
	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	27.0	27.0	27.0
	total	3764	4338	4581	4853	4809	4496	4236	4895	5171	4994	4670	5368	4694	3633	2821	2196	4027	4620	4351
	% HV	28	32	37	42	42	41	41	40	42	39	32	28	24	22	20	18	27	27	27
	BNL	78	79	79	79	79	79	78	79	79	79	79	79	79	78	77	76	77	77	77
	% HV	3	3	4	4	4	4	4	4	4	3	3	3	2	2	2	1	3	3	3
	Gradient	0	0	0	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	10	10	10
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3204	LV	6,347	8,803	8,301	6,080	3,915	3,590	3,306	3,694	4,818	6,264	5,148	6,532	5,239	3,706	4,543	4,326	6,052	5,541	4,810
	HV	2,042	2,344	2,810	3,350	4,160	3,627	3,576	4,371	4,148	3,506	2,983	3,095	2,723	1,782	1,090	1,016	2,287	2,822	3,013
	SPD	34.0	34.0	34.0	33.0	33.0	33.0	33.0	33.0	33.0	30.0	30.0	30.0	30.0	30.0	33.0	33.0	34	30	33
	total	8389	9147	9111	9430	8075	7217	6882	8065	8756	9771	8131	9627	7962	5488	5633	5343	8339	8363	7823
	% HV	24	26	31	36	52	50	52	54	47	36	37	32	34	32	19	19	27	33	39
	BNL	81	82	82	82	81	81	81	81	82	82	81	82	81	80	80	79	81	80	79
	% HV	2	2	3	3	5	5	5	5	4	4	4	3	3	3	2	2	3	3	3
	Gradient	6	6	6	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	10	10	10
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3212	LV	4,933	5,805	5,900	5,432	5,644	5,973	5,578	5,973	5,846	6,213	5,704	6,461	6,635	5,624	4,767	4,040	5,648	5,604	5,667
	HV	2,003	2,114	2,436	2,640	2,616	2,783	2,856	2,610	2,861	2,630	2,431	2,252	1,854	1,321	942	671	2,209	2,338	2,149
	SPD	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	31.5	31.5	31.5	31.5	32.0	32.0	32.0	32	32	32
	total	6936	7919	8335	8072	8260	8756	8235	8583	8707	8842	8135	8713	8490	6945	5708	4711	7857	7942	7818
	% HV	29	27	29	33	32	32	33	30	33	30	30	26	22	19	16	14	28	33	29
	BNL	81	81	81	81	81	82	81	82	82	82	81	82	81	81	80	79	81	80	79
	% HV	3	2	3	3	3	3	3	3	3	3	3	2	2	1	1	1	3	3	3
	Gradient	3	3	3	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	12	12	12
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3214	LV	1,376	1,292	2,433	2,229	1,288	2,359	1,447	3,097	1,635	2,212	3,035	2,328	2,605	2,866	2,996	2,779	1,672	2,757	2,258
	HV	675	721	1,050	1,728	1,806	1,413	1,845	1,335	1,720	1,357	953	566	565	380	298	428	744	984	1,139
	SPD	27.5	27.5	27.5	23.5	23.5	23.5	23.5	23.5	23.5	22.5	22.5	22.5	22.5	23.5	23.5	23.5	28	23	24
	total	2051	2013	3483	3957	3094	3772	3292	4432	3355	3569	3988	3314	3171	3246	3294	3206	2416	2741	2397
	% HV	33	36	30	44	58	37	56	30	51	38	24	30	18	12	9	13	31	36	31
	BNL	75	75	76	78	77	78	77	79	77	78	78	77	77	77	77	77	75	74	73
	% HV	3	4	3	5	6	4	6	4	5	5	3	4	2	0	0	0	3	3	3
	Gradient	0	0	0	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	12	12	12
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3219	LV	1,651	1,525	1,534	1,456	1,428	1,548	1,354	1,672	1,473	1,486	1,542	2,092	2,116	1,671	1,320	1,043	1,433	1,531	1,578
	HV	538	464	849	861	930	847	895	913	801	812	616	484	355	265	183	131	491	592	627
	SPD	38.0	38.0	38.0	37.0	37.0	37.0	37.0	37.0	37.0	38.0	38.0	38.0	38.0	37.0	37.0	37.0	38	38	37
	total	2189	1989	2183	2316	2358	2395	2249	2585	2273	2299	2158	2576	2470	1928	1503	1175	1924	2123	2205
	% HV	25	23	30	37	39	35	40	35	35	35	29	19	14	13	12	11	26	27	24
	BNL	76	75	76	76	76	76	76	76	76	76	76	76	76	75	74	73	75	74	73
	% HV	2	2	3	4	4	3	4	3	3	3	3	1	0	0	0	3	3	3	3
	Gradient	0	0	0	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	12	12	12
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3223	LV	4,056	5,744	5,361	5,335	4,707	5,454	5,119	5,480	5,342	5,157	4,680	6,354	5,651	4,777	4,039	3,414	5,110	4,872	5,056
	HV	1,103	1,459	1,835	2,389	2,363	2,122	2,243	2,195	2,148	2,264	1,710	1,642	1,112	934	784	658	1,412	1,665	1,726
	SPD	25.5	25.5	25.5	24.0	24.0	24.0	24.0	24.0	24.0	27.0	27.0	27.0	27.0	24.0	24.0	24.0	26	27	24
	total	5158	7203	7196	7723	7070	7576	7362	7675	7490	7421	6389	7996	6763	5711	4822	4072	6522	6537	6782
	% HV	21	20	25	31	33	28	30	29	29	31	27	21	16	16	16	16	22	24	24
	BNL	79	81	81	81	81	81	81	81	81	81	80	81	81	80	79	78	81	80	79
	% HV	2	2	3	4	4	3	4	3	3	3	2	2	1	1	1	1	3	3	3
	Gradient	0	0	0	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	10	10	10
	Surface	1	1	1	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-V83 SCIII Full Hi/Hi 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	559	971	810	751	779	765	746	857	921	843	917	1,082	1,259	1,280	1,261	1,262	912	956	942
	HV	537	569	656	697	706	674	725	685	707	703	610	592	572	477	398	332	562	590	510
	SPD	29.5	29.5	29.5	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	30	29	29
	total	1097	1540	1466	1447	1486	1439	1471	1542	1628	1547	1526	1674	1830	1737	1659	1595			
	% HV	49	37	45	48	48	47	49	44	43	45	40	35	31	27	24	21			
	BNL	73	74	74	74	74	74	74	74	74	74	74	74	74	75	75	74			
	% HV	5	4	4	5	5	5	5	4	4	5	4	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	Average Level over 16 hr		
	Facade Noise Levels dB(A)		78.4	78.8	79.3	79.6	79.6	79.4	79.7	79.5	79.7	79.6	79.1	79.0	78.9	78.3	77.6	79.0		
	HKPSG Exceedances		8.4	8.8	9.3	9.6	9.6	9.4	9.7	9.5	9.7	9.6	9.1	9.0	8.9	8.3	7.8	6.9		
		16	= number of hours exceeded 70 dB(A)																	
3225	LV	733	1,262	1,059	987	1,024	1,005	980	1,126	1,210	1,105	1,192	1,415	1,654	1,656	1,658	1,659	1,186	1,243	1,238
	HV	903	923	1,081	1,183	1,200	1,145	1,231	1,164	1,201	1,192	1,026	1,002	971	810	876	564	911	993	1,038
	SPD	23.5	23.5	23.5	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	1636	2185	2150	2170	2224	2150	2211	2290	2411	2298	2218	2416	2625	2466	2334	2223			
	% HV	55	42	51	55	54	53	56	51	50	52	46	41	37	33	29	25			
	BNL	74	78	75	75	76	76	76	76	76	76	76	76	76	76	76	76			
	% HV	6	5	6	6	6	6	6	6	6	5	5	4	4	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			
	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	81.4	82.1	82.5	82.5	82.3	82.6	82.4	82.6	82.5	81.9	81.9	81.8	81.0	80.3	79.6	81.3	
	HKPSG Exceedances		11.2	11.4	12.1	12.5	12.5	12.3	12.6	12.4	12.6	12.5	11.9	11.9	11.8	11.0	10.3	9.6		
		16	= number of hours exceeded 70 dB(A)																	
3230	LV	815	985	1,108	1,105	1,015	1,058	1,117	1,149	1,272	1,146	837	1,182	1,327	1,059	845	674	955	893	1,077
	HV	350	337	534	615	618	617	550	678	645	561	439	420	358	268	201	150	348	430	478
	SPD	23.0	23.0	23.0	20.0	20.0	20.0	20.0	20.0	20.0	22.0	22.0	22.0	22.0	20.0	20.0	20.0	25	22	20
	total	1165	1323	1643	1720	1633	1675	1667	1825	1917	1706	1276	1602	1685	1327	1046	825			
	% HV	30	26	33	36	38	37	33	37	34	33	34	26	21	20	19	18			
	BNL	73	73	74	75	74	74	74	75	75	75	73	74	74	73	72	71			
	% HV	4	3	4	5	5	5	5	5	5	4	4	3	2	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			
	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)		77.4	77.4	79.2	80.4	80.4	80.4	79.9	80.8	80.6	79.6	78.5	78.5	77.9	77.1	75.9	74.7	79.0	
	HKPSG Exceedances		7.4	7.4	9.2	10.4	10.4	10.4	9.9	10.8	10.6	9.6	8.5	8.5	7.9	7.1	5.9	4.7		
		16	= number of hours exceeded 70 dB(A)																	
3231	LV	1,232	1,792	1,779	1,576	1,447	1,507	1,592	1,638	1,814	1,686	1,391	1,804	1,891	1,509	1,204	961	1,737	1,484	1,535
	HV	474	548	761	796	798	799	712	875	835	753	666	586	463	347	260	194	565	652	819
	SPD	26.0	26.0	26.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	26	27	27
	total	1706	2340	2540	2371	2245	2307	2305	2514	2649	2439	2057	2389	2354	1856	1464	1156			
	% HV	28	23	30	34	36	35	31	35	32	31	32	25	20	19	18	17			
	BNL	75	76	76	76	76	76	76	76	76	76	75	76	76	75	74	73			
	% HV	3	2	3	4	4	4	3	4	3	3	3	2	2	1	1	1			
	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	Average Level over 16 hr		
	Facade Noise Levels dB(A)		80.2	81.0	82.2	82.3	82.3	82.3	81.8	82.7	82.5	82.1	81.5	81.2	80.3	79.1	77.9	76.7	81.3	
	HKPSG Exceedances		10.2	11.0	12.2	12.3	12.3	12.3	11.8	12.7	12.5	12.1	11.5	11.2	10.3	9.1	7.9	6.7		
		16	= number of hours exceeded 70 dB(A)																	
3232	LV	752	688	637	753	708	733	696	759	786	846	1,038	1,049	1,064	888	847	806	617	1,012	818
	HV	230	211	332	345	377	327	311	325	352	349	280	283	181	120	123	97	234	297	265
	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	32.0	32.0	32.0	32	30	32
	total	982	899	969	1,099	1,085	1,060	1,006	1,084	1,138	1,196	1,318	1,332	1,246	1,008	970	902			
	% HV	23	23	34	31	35	31	31	30	31	29	21	21	15	12	13	11			
	BNL	72	72	72	73	73	72	72	73	73	73	73	73	73	72	72	72			
	% HV	2	2	3	3	3	3	3	3	3	2	2	2	0	0	0	0			
	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)		74.5	74.1	75.8	76.0	76.3	75.8	75.6	75.8	76.1	76.2	75.5	75.6	74.0	72.5	72.5	71.7	75.1	
	HKPSG Exceedances		4.5	4.1	5.8	6.0	6.3	5.9	5.6	5.8	6.1	6.2	5.5	5.6	4.0	2.5	2.5	1.7		
		16	= number of hours exceeded 70 dB(A)																	
3233	LV	1,162	1,233	1,026	1,123	1,055	1,093	1,037	1,133	1,172	1,216	1,321	1,451	1,587	1,324	1,263	1,202	1,105		

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2016CTS-3(815100)MAIN MODEL RUN-V83 SCIII Full Hi/Hi 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			
3235	LV	2,371	2,438	2,239	1,753	1,547	1,756	1,807	1,679	1,696	1,706	1,912	2,126	2,488	2,034	1,662	1,359		2,214	1,849	1,861			
	HV	933	732	884	774	810	780	812	797	944	832	836	741	712	505	359	254		744	780	723			
	SPD	42.0	42.0	42.0	44.0	44.0	44.0	44.0	44.0	44.0	44.5	44.5	44.5	44.5	44.0	44.0	44.0		42	45	44			
	total	3303	3170	3123	2526	2356	2536	2419	2476	2643	2538	2747	2867	3200	2539	2021	1613							
	% HV	28	23	28	31	34	31	34	32	36	33	30	26	22	20	18	16							
	BNL	77	77	77	76	76	76	76	76	76	76	77	77	77	77	76	75	74						
	% HV	3	2	3	3	3	3	3	3	4	3	3	2	2	2	1	1							
	Gradient	6	Gradient	2	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	-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							
Facade Noise Levels dB(A)		81.5	80.7	81.3	80.7	80.8	80.7	80.8	80.8	81.4	80.9	81.0	80.7	80.7	79.3	78.0	76.7		Average Level over 16 hr					
HKPSG Exceedances		11.5	10.7	11.3	10.7	10.8	10.7	10.8	10.6	11.4	10.9	11.0	10.7	10.7	9.3	8.0	6.7							
		16	= number of hours exceeded 70 dB(A)																					
3402	LV	1,892	2,445	2,437	2,548	2,246	2,603	2,443	2,615	2,550	2,457	2,217	3,023	2,697	2,280	1,927	1,529		2,175	2,309	2,413			
	HV	495	538	781	1,120	1,108	995	1,051	1,029	1,007	1,034	705	729	521	438	367	308		521	587	809			
	SPD	26.5	26.5	26.5	23.8	23.8	23.8	23.8	23.8	23.8	24.8	24.8	24.8	24.8	23.8	23.8	23.8		27	25	24			
	total	2387	2983	3218	3666	3354	3598	3494	3644	3556	3492	2922	3751	3218	2718	2295	1938							
	% HV	21	18	24	31	33	28	30	28	28	30	24	19	16	16	16	16							
	BNL	76	77	77	78	77	78	78	78	78	78	77	78	77	77	76	75							
	% HV	2	1	2	4	4	3	3	3	3	3	2	1	1	1	1	1							
	Gradient	6	Gradient	2	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	-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							
Facade Noise Levels dB(A)		78.0	78.5	79.9	81.6	81.5	81.1	81.3	81.3	81.2	81.1	79.6	79.9	78.6	78.0	77.2	76.5		Average Level over 16 hr					
HKPSG Exceedances		8.0	8.5	9.9	11.5	11.5	11.1	11.3	11.3	11.2	11.1	9.5	9.9	8.6	8.0	7.2	6.5							
		16	= number of hours exceeded 70 dB(A)																					
3403	LV	1,387	1,936	1,825	1,831	1,615	1,872	1,757	1,880	1,833	1,852	1,968	2,396	1,939	1,639	1,388	1,172		1,722	2,049	1,735			
	HV	416	556	694	698	889	798	843	825	808	876	733	656	418	351	295	247		538	714	649			
	SPD	30.0	30.0	30.0	28.0	28.0	28.0	28.0	28.0	28.0	23.0	23.0	23.0	23.0	28.0	28.0	28.0		30	23	28			
	total	1802	2492	2519	2729	2504	2670	2600	2706	2641	2728	2701	3052	2357	1990	1681	1419							
	% HV	23	22	28	33	35	30	32	31	31	32	27	21	18	18	18	17							
	BNL	75	76	76	77	76	76	76	77	76	77	77	77	76	75	74	74							
	% HV	2	2	3	3	4	3	3	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	2						
	Distance	21	Distance	-3	-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							
Facade Noise Levels dB(A)		77.0	78.3	79.0	80.1	80.1	79.7	79.9	79.8	79.7	80.6	79.9	79.6	77.8	76.6	75.8	75.1		Average Level over 16 hr					
HKPSG Exceedances		7.0	8.3	9.0	10.1	10.1	9.7	9.9	9.8	9.7	10.6	9.9	9.8	7.8	6.6	5.8	5.1							
		16	= number of hours exceeded 70 dB(A)																					
3404	LV	621	876	820	818	721	836	785	840	819	818	839	1,046	866	732	619	523		779	873	775			
	HV	250	326	415	544	538	483	511	500	489	527	430	391	253	213	178	150		316	419	393			
	SPD	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5		38	38	38			
	total	871	1202	1235	1362	1259	1319	1295	1340	1308	1345	1269	1437	1119	945	797	673							
	% HV	29	27	34	40	43	37	39	37	37	39	34	27	23	22	22	22							
	BNL	72	73	73	74	73	73	73	73	73	73	73	73	73	72	71	70							
	% HV	3	2	3	4	4	4	4	4	4	4	3	2	2	2	2	2							
	Gradient	6	Gradient	2	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	-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							
Facade Noise Levels dB(A)		74.5	75.7	76.5	77.6	77.5	77.1	77.3	77.3	77.2	77.4	76.7	76.5	74.8	74.0	73.2	72.5		Average Level over 16 hr					
HKPSG Exceedances		4.5	5.7	6.5	7.8	7.5	7.1	7.3	7.3	7.2	7.4	6.7	6.5	4.8	4.0	3.2	2.5							
		16	= number of hours exceeded 70 dB(A)																					
3405	LV	6,018	6,042	5,871	5,851	3,787	3,454	3,181	3,555	4,444	5,932	4,514	6,081	5,041	3,566	4,372	4,183		5,375	4,966	4,629			
	HV	1,853	2,167	2,563	3,024	3,755	3,274	3,228	3,945	3,744	3,158	2,864	2,781	2,458	1,590	984	917		2,115	2,520	2,720			
	SPD	38.0	38.0	38.0	37.5	37.5	37.5	37.5	37.5	37.5	35.5	35.5	35.5	35.5	37.5	37.5	37.5		38	36	38			
	total	7871	8209	8435	8874	7522	6728	6409	7500	8188	9091	7278	8862	7499	5156	5356	5080							
	% HV	24	26	30	34	50	49	50	53	48	35	37	31	33	31	18	18							
	BNL	81	81	81	82	81	80	80	81	81	82	81	82	81	79	79	79							
	% HV	2	2	3	3	5	5	5	5	4	3	4	3	3	3	1	1							
	Gradient	3	Gradient	1	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	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						
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							
Facade Noise Levels dB(A)		85.0	85.6	86.2	86.8	87.5	86.9	86.9	87.7	87.6	87.0	86.2	86.5	86.0	84.1	82.6	82.3		Average Level over 16 hr					
HKPSG Exceedances		15.0	15.8	16.2	16.8	17.5	16.9	18.9	17.7	17.6	17.0	16.2	16.5	16.0	14.1	12.6	12.3							
		16	= number of hours exceeded 70 dB(A)																					
3406	LV	4,594	3,845	2,804	2,817	2,560	2,433	2,710	2,953	3,206</														

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2016CTS-3(815100)MAIN MODEL RUN-V83 SCIII Full Hi/Hi 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		
3412	LV	1,098	1,304	1,317	1,206	1,253	1,326	1,238	1,325	1,298	1,342	1,099	1,352	1,473	1,248	1,058	897	1,269	1,080	1,258		
	HV	802	905	998	1,032	1,022	1,088	1,038	1,020	1,118	1,030	959	884	725	517	368	262	946	922	840		
	SPD	20.5	20.5	20.5	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	21	22	22		
	total	1900	2210	2316	2238	2275	2414	2277	2346	2416	2372	2058	2236	2198	1765	1428	1159					
	% HV	42	41	43	46	45	46	43	46	43	47	40	33	29	26	23						
	BNL	75	76	76	76	76	76	76	76	76	76	75	76	76	75	74	73					
	% HV	5	5	5	5	5	5	5	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	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	Average Level over 18 hr					
Facade Noise Levels dB(A)		80.8	81.3	81.7	81.5	81.5	81.7	81.5	81.5	81.9	81.5	81.2	80.9	80.1	78.7	77.3	75.9	80.8				
HKPSG Exceedances		10.8	11.3	11.7	11.5	11.5	11.7	11.5	11.5	11.9	11.5	11.2	10.9	10.1	8.7	7.3	5.9					
		16 = number of hours exceeded 70 dB(A)																				
3422	LV	1,105	1,660	1,534	1,263	1,292	1,248	1,245	1,357	1,375	1,319	1,113	1,310	1,492	1,341	1,352	1,371	1,612	1,122	1,328		
	HV	473	633	686	838	783	833	764	729	750	751	721	762	670	539	469	434	594	723	683		
	SPD	20.7	20.7	20.7	22.0	22.0	22.0	22.0	22.0	22.0	23.0	23.0	23.0	23.0	22.0	22.0	22.0	21	23	22		
	total	1578	2293	2220	2101	2074	2081	2009	2086	2124	2070	1834	2073	2161	1880	1822	1805					
	% HV	30	28	31	40	38	40	38	35	35	36	39	37	31	29	26	24					
	BNL	74	76	76	75	75	75	75	75	75	75	75	75	76	75	75	75					
	% HV	4	4	4	5	5	5	5	4	4	4	5	4	4	4	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	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)		81.2	82.5	82.8	83.3	83.0	83.2	82.9	82.7	82.8	82.7	82.5	82.7	82.3	81.5	81.0	80.7	82.4				
HKPSG Exceedances		11.2	12.5	12.8	13.3	13.0	13.2	12.9	12.7	12.8	12.7	12.5	12.7	12.3	11.5	11.0	10.7					
		16 = number of hours exceeded 70 dB(A)																				
3423	LV	2,460	3,109	3,216	2,992	3,060	2,967	2,949	3,215	3,257	3,274	3,242	3,418	3,534	3,176	3,204	3,249	3,018	3,268	3,145		
	HV	607	789	873	1,085	1,013	1,078	988	944	970	847	834	936	866	698	607	562	740	836	883		
	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	3067	3898	4089	4077	4073	4035	3937	4158	4227	4221	4076	4354	4401	3874	3811	3811					
	% HV	20	20	21	27	25	27	25	23	23	22	20	21	20	18	16	15					
	BNL	77	76	78	78	78	78	78	78	78	78	78	79	79	78	78	78					
	% HV	3	3	3	4	3	4	3	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					
	Distance	5	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2					
	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)		82.7	83.8	84.2	85.0	84.8	85.0	84.6	84.5	84.6	84.5	84.0	84.5	84.2	83.4	82.9	82.6	84.1				
HKPSG Exceedances		12.7	13.8	14.2	15.0	14.8	15.0	14.6	14.5	14.6	14.5	14.0	14.5	14.2	13.4	12.9	12.6					
		16 = number of hours exceeded 70 dB(A)																				
3425	LV	3,848	5,652	5,142	5,013	4,423	5,125	4,810	5,149	5,020	4,865	4,482	6,021	5,310	4,489	3,795	3,208	5,028	4,666	4,751		
	HV	1,015	1,331	1,685	2,205	2,181	1,959	2,070	2,026	1,982	2,062	1,552	1,504	1,027	862	723	607	1,288	1,511	1,593		
	SPD	24.5	24.5	24.5	22.5	22.5	22.5	22.5	22.5	22.5	24.0	24.0	24.0	24.0	22.5	22.5	22.5	25	24	23		
	total	4864	6983	6827	7218	6604	7084	6880	7175	7002	6947	6033	7525	6337	5351	4518	3815					
	% HV	21	19	25	31	33	28	30	28	28	30	26	20	16	16	16	16					
	BNL	79	81	81	81	80	81	81	81	81	81	80	81	80	79	79	78					
	% HV	2	2	3	4	4	3	4	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
	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)		82.1	83.4	84.2	85.5	85.4	85.1	85.2	85.2	85.1	85.0	83.9	83.9	82.5	81.9	81.1	80.4	84.0				
HKPSG Exceedances		12.1	13.4	14.2	15.5	15.4	15.1	15.2	15.2	15.1	15.0	13.9	13.9	12.5	11.9	11.1	10.4					
		16 = number of hours exceeded 70 dB(A)																				
3431	LV	3,477	2,799	2,101	2,150	1,953	1,857	2,067	2,253	2,446	2,380	2,711	3,452	3,182	2,828	2,514	2,234	2,378	2,724	2,518		
	HV	699	731	938	1,158	1,082	969	1,099	1,152	1,095	1,048	848	667	816	610	455	340	704	842	896		
	SPD	39.5	39.5	39.5	38.0	38.0	38.0	38.0	38.0	38.0	37.5	37.5	37.5	37.5	38.0	38.0	38.0	40	38	38		
	total	4177	3530	3039	3307	3035	2826	3166	3405	3541	3426	3559	4319	3998	3438	2969	2575					
	% HV	17	21	31	35	36	34	35	34	31	31	24	20	20	18	15	13					
	BNL	78	78	77	77	77	77	77	78	78	78	78	79	78	78	77	76					
	% HV	1	2	3	3	3	3	3	3	3	3	2	1	2	1	1	0					
	Gradient	3	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					
	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)		80.7	80.6	81.3	82.0	81.7	81.3	81.8	82.0	81.9	81.7	81.0	81.3	81.0	80.0	78.9	77.8	81.1				
HKPSG Exceedances		10.7	10.6	11.3	12.0	11.7	11.3	11.8	12.0	11.9	11.7	11.0	11.3	11.0	10.0	8.9	7.8					
		16 = number of hours exceeded 70 dB(A)																				
3433	LV	815	985	1,108	1,105	1,015	1,058	1,117	1,149	1,272	1,148	837	1,182	1,327	1,089	845	674	955	893	1,077		
	HV	350	337	534	615	616	617	550	678	645	561	439	420	358	268	201	150	348	430	478		
	SPD	23.0	23.0	23.0	20.0	20.0	20.0	20.0	20.0	20.0	22.0	22.0	22.0	22.0	20.0	20.0	20.0	23	22	20		
	total	1165	1323	1643	1720	1631	1675	1667	1825	1917	1708	1276	1602	1685	1327	1046	825					
	% HV	30	26	33	36	38	37	33	37	34	33	34	28	21	20	19	18					
	BNL	73	73	74	75	74	74	74	75	75	75	73	74	74	73	72	71					
	% HV	4	3	4	5	5	5	5	5	5	4	4	3	2	3	3	2					
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
	Distance																					

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2016CTS-3(815100)MAIN MODEL RUN-V83 SCIII Full H/HI 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						
3434	LV	1,083	1,473	1,529	1,416	1,301	1,355	1,431	1,473	1,630	1,464	1,060	1,508	1,700	1,357	1,083	864	1,428	1,131	1,380						
	HV	408	481	659	681	683	684	610	750	715	845	571	502	397	297	222	167	496	559	530						
	SPD	25.0	25.0	26.0	25.5	25.5	25.5	25.5	25.5	25.5	26.0	26.0	26.0	26.0	25.5	25.5	25.5	25	26	26						
	total	1491	1954	2187	2098	1984	2039	2041	2222	2345	2110	1631	2010	2097	1654	1305	1031									
	% HV	27	25	30	32	34	34	30	34	30	31	35	25	19	18	17	16									
	BNL	74	75	76	75	75	75	75	76	76	75	74	75	75	74	73	72									
	% HV	3	3	3	4	4	4	3	4	3	3	4	3	2	1	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	-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)		79.7	80.5	81.7	81.8	81.7	81.8	81.3	82.2	82.0	81.5	80.9	80.6	79.8	78.6	77.4	76.2	80.8								
HKPSG Exceedances		9.7	10.5	11.7	11.8	11.7	11.8	11.3	12.2	12.0	11.5	10.9	10.6	9.8	8.8	7.4	6.2									
		16	= number of hours exceeded 70 dB(A)																							
3436	LV	1,503	1,526	1,717	1,727	1,795	1,899	1,774	1,899	1,859	1,928	1,800	1,949	2,110	1,788	1,516	1,285	1,485	1,572	1,802						
	HV	957	1,085	1,193	1,229	1,217	1,295	1,236	1,215	1,331	1,225	1,137	1,050	863	615	438	312	1,134	1,094	1,000						
	SPD	23.3	23.3	23.3	23.5	23.5	23.5	23.5	23.5	23.5	24.0	24.0	24.0	24.0	23.5	23.5	23.5	23	24	24						
	total	2460	2612	2910	2956	3012	3194	3010	3114	3190	3153	2737	2999	2973	2403	1954	1597									
	% HV	39	42	41	42	40	41	41	39	42	39	42	35	29	26	22	20									
	BNL	76	76	77	77	77	77	77	77	77	77	77	77	77	76	75	74									
	% HV	5	5	5	5	5	5	5	5	5	4	5	4	3	3	2	2									
	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	-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)		81.0	81.6	82.0	82.1	82.0	82.3	82.1	82.0	82.4	82.0	81.7	81.4	80.6	79.3	77.9	76.6	81.3								
HKPSG Exceedances		11.0	11.6	12.0	12.1	12.0	12.3	12.1	12.0	12.4	12.0	11.7	11.4	10.6	9.3	7.9	6.6									
		16	= number of hours exceeded 70 dB(A)																							
3450	LV	752	1,871	1,815	1,284	1,277	1,363	1,247	1,428	1,376	1,290	1,598	1,739	1,759	1,547	1,511	1,404	1,705	1,595	1,399						
	HV	544	863	992	1,154	1,121	1,066	956	1,138	1,252	1,131	899	895	657	548	442	412	841	913	880						
	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	15	16						
	total	1296	2733	2807	2438	2396	2429	2203	2565	2630	2421	2497	2634	2416	2095	1953	1818									
	% HV	42	32	35	47	47	44	43	44	48	47	36	34	27	26	23	23									
	BNL	73	77	77	76	76	76	76	76	76	76	76	76	76	75	75	75									
	% HV	5	4	5	6	6	6	6	6	6	5	5	5	4	4	3	3									
	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	-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)		80.5	82.8	83.2	83.7	83.6	83.4	82.9	83.7	84.1	83.8	82.7	82.7	81.5	80.7	79.9	79.6	82.6								
HKPSG Exceedances		10.5	12.6	13.2	13.7	13.6	13.4	12.9	13.7	14.1	13.6	12.7	12.7	11.5	10.7	9.9	9.6									
		16	= number of hours exceeded 70 dB(A)																							
3457	LV	698	681	503	508	482	530	553	571	609	627	684	711	681	480	500	478	608	690	582						
	HV	150	174	311	342	323	305	304	315	294	292	296	235	121	81	63	47	209	298	222						
	SPD	29.5	29.5	29.5	31.5	31.5	31.5	31.5	31.5	31.5	25.0	25.0	25.0	25.0	31.5	31.5	31.5	30	25	32						
	total	858	855	814	850	805	834	857	886	903	919	980	946	802	561	563	525									
	% HV	19	20	38	40	40	37	35	36	33	32	30	25	15	14	11	9									
	BNL	72	72	71	71	71	71	72	72	72	72	72	72	71	70	70	69									
	% HV	1	2	4	4	4	4	3	3	3	4	3	3	1	0	0	-1									
	Gradient	6	Gradient	2	2	2	2	2	2	2	2	2	2	2	2	2	2									
	Distance	5	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	-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)		77.6	77.9	80.0	80.2	80.0	79.8	79.8	80.0	79.7	80.2	80.3	79.4	77.0	74.9	74.2	73.3	78.9								
HKPSG Exceedances		7.6	7.9	10.0	10.2	10.0	9.8	9.8	10.0	9.7	10.2	10.3	9.4	7.0	4.9	4.2	3.3									
		16	= number of hours exceeded 70 dB(A)																							
3462	LV	1,859	1,817	1,801	1,818	1,170	1,073	988	1,104	1,381	1,848	1,443	1,895	1,566	1,108	1,358	1,293	1,616	1,553	1,438						
	HV	484	676	709	749	931	811	800	978	928	811	786	744	609	394	244	227	660	744	874						
	SPD	25.5	25.5	25.5	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	25	28	28						
	total	2344	2493	2510	2587	2101	1884	1788	2082	2309	2657	2229	2639	2175	1502	1502	1521									
	% HV	21	27	28	29	44	43	45	47	40	31	35	28	28	26	15	15									
	BNL	76	76	76	76	75	75	75	75	76	76	76	76	76	76	74	74									
	% HV	2	3	3	3	5	4	5	4	3	4	3	3	3	3	1	1									
	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	-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)		79.5	80.7	80.9	80.9	81.6	81.0	81.0	81.8	81.7	81.3	81.1	81.0	80.1	78.2	76.6	76.4	80.5								
HKPSG Exceedances		9.5	10.7	10.9	10.9	11.6	11.0	11.0	11.8	11.7	11.3	11.1	11.0	10.1	8.2	6.6	6.4									
		16	= number of hours exceeded 70 dB(A)																							
3602	LV	2,757	4,073	3,890	3,585	3,163	3,665	3,440	3,683	3,590	3,499	3,292	4,367	3,798	3,211	2,714	2,295	3,623	3,427	3,398						
	HV	751	1,025	1,262	1,615	1,598	1,435	1,516	1,484	1,452	1,522	1,123	1,096	752	631	530	445	992	1,094	1,167						
	SPD	55.5	55.5	55.5	55.0	55.0	55.0	55.0	55.0	55.0	55.5	55.5	55.5	55.5	55.0	55.0	55.0	56	56	55						

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2016CTS-3(815100)MAIN MODEL RUN-V83 SCIII Full Hi/Hi 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
3603	LV	4,938	5,135	4,862	4,763	3,067	2,812	2,589	2,894	3,618	4,913	4,055	5,130	4,104	2,903	3,559	3,389	4,568	4,364	3,768
	HV	1,144	1,294	1,568	1,885	2,340	2,040	2,012	2,459	2,334	1,978	1,703	1,752	1,532	991	613	572	1,263	1,611	1,695
	SPD	50.5	50.5	50.5	52.0	52.0	52.0	52.0	52.0	49.5	49.5	49.5	49.5	49.5	52.0	52.0	52.0	51	50	52
	total	6082	6429	6430	6648	5407	4852	4601	5353	5951	6891	5758	6882	5636	3894	4172	3961			
	% HV	19	20	24	28	43	42	44	46	39	29	30	25	27	25	15	14			
	BNL	80	80	80	80	80	79	79	79	80	81	80	81	80	78	78	78			
	% HV	2	2	3	3	5	4	5	5	4	3	3	3	3	3	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	Average Level over 16 hr		
Facade Noise Levels dB(A)		82.9	83.3	83.9	84.6	85.1	84.5	84.4	85.2	85.1	84.6	83.9	84.2	83.6	81.9	80.6	80.4	83.9		
HKPSG Exceedances		12.9	13.3	13.9	14.6	15.1	14.5	14.4	15.2	15.1	14.6	13.9	14.2	13.8	11.9	10.6	10.4			
16 = number of hours exceeded 70 dB(A)																				
3612	LV	1,313	1,916	1,789	1,884	1,956	1,920	1,872	2,150	2,311	2,122	2,324	2,730	3,159	3,162	3,165	3,168	1,800	2,424	2,364
	HV	970	958	1,160	1,281	1,299	1,239	1,332	1,260	1,300	1,288	1,099	1,079	1,051	877	732	611	946	1,064	1,122
	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	17	17
	total	2283	2874	2948	3165	3254	3159	3205	3410	3611	3409	3423	3809	4210	4039	3897	3779			
	% HV	42	33	39	40	40	39	42	37	36	38	32	28	25	22	19	16			
	BNL	76	77	77	77	77	77	77	78	78	78	78	78	78	78	78	78			
	% HV	6	5	5	5	5	5	5	5	5	5	4	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			
	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)		82.3	82.3	83.1	83.5	83.6	83.4	83.7	83.5	83.6	83.6	83.0	82.9	82.9	82.2	81.5	80.9	82.9		
HKPSG Exceedances		12.3	12.3	13.1	13.5	13.6	13.4	13.7	13.5	13.6	13.6	13.0	12.9	12.9	12.2	11.5	10.9			
16 = number of hours exceeded 70 dB(A)																				
3616	LV	2,221	1,597	1,934	2,066	2,027	2,197	1,922	2,374	2,090	2,101	2,138	2,942	3,003	2,373	1,874	1,481	1,500	2,123	2,240
	HV	826	701	992	1,327	1,435	1,307	1,380	1,408	1,235	1,269	1,004	766	547	393	282	203	742	965	967
	SPD	26.0	26.0	26.0	22.0	22.0	22.0	22.0	22.0	22.0	22.5	22.5	22.5	22.5	22.0	22.0	22.0	26	23	22
	total	3047	2297	2926	3394	3461	3504	3303	3781	3325	3370	3142	3708	3550	2766	2157	1683			
	% HV	27	30	34	39	41	37	42	37	37	38	32	21	15	14	13	12			
	BNL	77	76	77	78	78	78	77	78	77	77	77	78	78	77	76	74			
	% HV	3	3	4	5	5	5	5	5	5	5	4	2	1	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			
	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)		80.3	79.5	80.9	82.7	83.0	82.6	82.8	82.9	82.4	82.4	81.5	80.6	79.4	78.1	76.7	75.4	81.2		
HKPSG Exceedances		10.3	9.5	10.9	12.7	13.0	12.6	12.8	12.9	12.4	12.4	11.5	10.6	9.4	8.1	6.7	5.4			
16 = number of hours exceeded 70 dB(A)																				
3617	LV	2,877	3,708	3,785	3,478	3,556	3,436	3,427	3,736	3,785	3,786	3,609	3,890	4,107	3,691	3,723	3,776	3,599	3,638	3,655
	HV	986	1,315	1,430	1,750	1,834	1,740	1,595	1,523	1,565	1,554	1,446	1,562	1,398	1,126	980	907	1,234	1,450	1,425
	SPD	20.5	20.5	20.5	20.0	20.0	20.0	20.0	20.0	20.0	20.5	20.5	20.5	20.5	20.0	20.0	20.0	21	21	20
	total	3863	5023	5215	5228	5191	5175	5022	5259	5350	5319	5055	5482	5506	4817	4703	4682			
	% HV	26	26	27	33	31	34	32	29	29	29	29	29	25	23	21	19			
	BNL	78	79	79	79	79	79	79	79	79	79	79	80	80	79	79	79			
	% HV	3	4	4	5	4	5	4	4	4	4	4	4	3	3	3	3			
	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			
	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)		84.5	85.7	86.1	87.0	86.7	86.9	86.6	86.6	86.4	86.4	86.1	86.4	86.0	85.2	84.7	84.4	86.1		
HKPSG Exceedances		14.5	15.7	16.1	17.0	16.7	16.9	16.6	16.4	16.6	16.4	16.1	16.4	16.0	15.2	14.7	14.4			
16 = number of hours exceeded 70 dB(A)																				
3618	LV	2,112	2,593	2,735	2,593	2,651	2,562	2,555	2,786	2,822	2,804	2,676	2,893	3,062	2,752	2,778	2,815	2,517	2,697	2,725
	HV	478	602	682	652	605	557	587	786	750	771	754	686	746	689	555	483	565	668	702
	SPD	24.5	24.5	24.5	23.0	23.0	23.0	23.0	23.0	23.0	23.5	23.5	23.5	23.5	23.0	23.0	23.0	25	24	23
	total	2590	3195	3418	3455	3457	3419	3341	3536	3583	3575	3342	3639	3751	3307	3259	3262			
	% HV	18	19	20	25	23	25	24	21	21	21	20	20	18	17	15	14			
	BNL	76	77	78	78	78	78	77	78	78	78	77	78	78	77	77	77			
	% HV	2	2	2	3	3	3	3	2	2	2	2	2	2	2	1	1			
	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			
	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	82.0	82.4	83.5	83.2	83.5	83.1	83.0	83.1	83.0	82.5	82.9	82.7	81.9	81.4	81.2	82.6		
HKPSG Exceedances		11.0	12.0	12.4	13.5	13.2	13.5	13.1	13.0	13.1	13.0	12.5	12.9	12.7	11.9	11.4	11.2			
16 = number of hours exceeded 70 dB(A)																				
3619	LV	369	558	514	421	430	416	414	452	458	487	565	537	497	446	450	457	542	570	442
	HV	438	736	684	723	675	719	659	629	647	668	694	695	578	465	405	375	691	696	589
	SPD	41.5	41.5	41.5	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	42	42	43
	total	807	1295	1198	1144	1106	1135	1074	1081	1105	1153	1260	1232	1075	912	855	831			
	% HV	54	57	57	63	61	63	61	58	59	58	55	56	54	51	47	45			
	BNL	71	73	73	73	73	73	73	73											

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2016CTS-3(815100)MAIN MODEL RUN-V83 SCIII Full Hi/Hi Fleet Budget Toll New Bus

2016CTS-3(815100)MAIN MODEL RUN-V83 SCHI Full H/H/I Fleet Budget For New Bus																						Model Output		
Hour Start / 2-way Hourly Traffic Volume (veh.) or Speed (km/hr)																						AM	PM	OP
Stn.		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22							
3620	LV	843	1,585	1,901	1,538	1,529	1,633	1,494	1,710	1,651	1,459	1,486	1,850	2,108	1,854	1,810	1,682	1,536	1,483	1,676				
	HV	522	960	1,000	1,051	1,020	970	870	1,035	1,139	1,043	965	837	598	499	402	375	936	878	801				
	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							
	total	1365	2645	2901	2589	2550	2603	2364	2746	2790	2502	2351	2687	2706	2353	2212	2057							
	% HV	38	36	34	41	40	37	37	38	41	42	37	31	22	21	18	18							
	BNL	74	76	77	76	76	76	76	77	77	77	76	75	76	77	76	76							
	% HV	5	5	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	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	Average Level over 16 hr						
Facade Noise Levels dB(A)		79.0	81.7	81.9	82.1	81.9	81.8	81.3	82.0	82.4	82.0	81.3	81.2	79.9	79.2	78.3	78.0	81.1						
HKPSG Exceedances		9.0	11.7	11.9	12.1	11.9	11.8	11.3	12.0	12.4	12.0	11.3	11.2	9.9	9.2	8.3	8.0							
		16	= number of hours exceeded 70 dB(A)																					
3621	LV	3,873	5,631	5,159	5,059	4,464	5,172	4,855	5,197	5,066	4,930	4,811	6,129	5,359	4,531	3,830	3,238	5,009	4,801	4,795				
	HV	1,027	1,341	1,703	2,232	2,208	1,983	2,096	2,052	2,007	2,119	1,608	1,539	1,039	872	732	615	1,298	1,566	1,613				
	SPD	23.0	23.0	23.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	23	24	24				
	total	4900	6972	6862	7292	6672	7156	6951	7249	7074	7049	6220	7668	6399	5403	4562	3853							
	% HV	21	19	25	31	33	28	30	28	28	30	26	20	16	16	16								
	BNL	79	81	81	81	80	81	81	81	81	81	80	81	80	80	79	78							
	% HV	2	2	3	4	4	3	3	3	3	3	3	2	1	1	1								
	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)		82.4	83.6	84.4	85.3	85.2	84.9	85.1	85.0	84.9	85.1	84.0	82.5	81.8	81.0	80.2	84.0							
HKPSG Exceedances		12.4	13.6	14.4	15.3	15.2	14.9	15.1	15.0	14.9	15.1	14.0	12.5	11.8	11.0	10.2								
		16	= number of hours exceeded 70 dB(A)																					
3622	LV	3,873	5,631	5,159	5,059	4,464	5,172	4,855	5,197	5,066	4,930	4,811	6,129	5,359	4,531	3,830	3,238	5,009	4,801	4,795				
	HV	1,027	1,341	1,703	2,232	2,208	1,983	2,096	2,052	2,007	2,119	1,608	1,539	1,039	872	732	615	1,298	1,566	1,613				
	SPD	23.0	23.0	23.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	23	24	24				
	total	4900	6972	6862	7292	6672	7156	6951	7249	7074	7049	6220	7668	6399	5403	4562	3853							
	% HV	21	19	25	31	33	28	30	28	28	30	26	20	16	16	16								
	BNL	79	81	81	81	80	81	81	81	81	81	80	81	80	80	79	78							
	% HV	2	2	3	4	4	3	3	3	3	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	-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)		81.8	83.0	83.8	84.7	84.8	84.3	84.5	84.4	84.3	84.5	83.4	81.9	81.2	80.4	79.6	83.4							
HKPSG Exceedances		11.8	13.0	13.8	14.7	14.6	14.3	14.5	14.4	14.3	14.5	13.4	13.4	11.9	11.2	10.4	9.6							
		16	= number of hours exceeded 70 dB(A)																					
3623	LV	6,123	6,230	5,994	5,935	3,821	3,504	3,227	3,606	4,508	5,964	4,491	6,054	5,113	3,617	4,435	4,223	5,542	4,833	4,895				
	HV	1,642	2,047	2,315	2,632	3,268	2,849	2,809	3,434	3,259	2,767	2,397	2,455	2,139	1,384	856	798	1,997	2,268	2,367				
	SPD	21.0	21.0	21.0	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	21	23	23				
	total	7,764	8,276	8,310	8,567	7,090	6,353	6,036	7,040	7,766	8,731	6,888	8,509	7,253	5,001	5,291	5,021							
	% HV	21	25	28	31	46	45	47	49	42	32	35	29	29	28	16	16							
	BNL	81	81	81	82	81	80	80	81	81	81	81	81	81	81	79	79							
	% HV	3	3	4	4	5	5	5	5	5	4	4	3	4	3	1	1							
	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)		84.7	85.6	86.1	86.2	86.9	86.4	86.3	87.1	87.0	86.4	85.7	85.9	85.3	83.5	81.8	81.5	85.7						
HKPSG Exceedances		14.7	15.6	16.1	16.2	16.9	16.4	16.3	17.1	17.0	16.4	15.7	15.9	15.3	13.5	11.8	11.5							
		16	= number of hours exceeded 70 dB(A)																					
3624	LV	2,037	1,963	1,968	1,997	1,286	1,179	1,086	1,214	1,517	1,935	1,256	1,884	1,721	1,217	1,492	1,421	1,746	1,352	1,580				
	HV	683	919	967	1,027	1,276	1,112	1,097	1,340	1,272	1,088	963	970	835	540	334	312	897	911	924				
	SPD	31.5	31.5	31.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	32	29	31				
	total	2699	2882	2934	3025	2562	2291	2182	2554	2789	3021	2219	2854	2556	1758	1827	1733							
	% HV	25	32	33	34	50	49	50	52	46	36	43	34	33	31	18	18							
	BNL	77	77	77	77	76	76	76	76	77	77	77	77	77	76	75	75							
	% HV	2	3	3	3	5	5	5	5	4	4	4	3	3	3	1	1							
	Gradient	3	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							
	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)		80.0	81.2	81.4	81.7	82.4	81.8	81.7	82.5	82.4	82.0	81.3	81.5	80.9	78.9	77.3	77.0	81.1						
HKPSG Exceedances		10.0	11.2	11.4	11.7	12.4	11.8	11.7	12.6	12.4	12.0	11.3	11.5	10.9	8.9	7.3	7.0							
		16	= number of hours exceeded 70 dB(A)																					
3625	LV	2,530	2,203	2,284	1,942	1,714	1,948	1,781	1,861	1,882	1,864	1,983	2,288	2,757	2,253	1,842	1,506	2,001	1,918	2,052				
	HV	1,051	845	1,003	867	907	874	909	892	1,058	930	928	827	798	566	402	285	858	866	810				
	SPD	35.5	35.5	35.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36	37	37				
	total	3581	3048	32																				

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Future Year Hourly Profile of Traffic Volume and Speed

2016CTS-3(815100)MAIN MODEL RUN-V83 SCIII Full Hi/Hi Fleet Budget Toll New Bus

2016CTS-3(815100)MAIN MODEL RUN-V83 SCIII Full Hi/Hi Fleet Budget Toll New Bus																		Model Output			
		Hour Start / 2-way Hourly Traffic Volume (veh.) or Speed (km/hr)															AM	PM	OP		
Stn.		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22				
3626	LV	1,212	2,066	1,744	1,639	1,701	1,670	1,628	1,870	2,010	1,864	2,103	2,422	2,748	2,750	2,753	2,755	1,941	2,193	2,056	
	HV	903	929	1,093	1,180	1,196	1,141	1,227	1,161	1,198	1,173	960	971	968	808	674	563	917	929	1,033	
	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	17	17	
	total	2,114	2,995	2,836	2,818	2,897	2,811	2,856	3,030	3,208	3,037	3,063	3,393	3,715	3,558	3,427	3,318				
	% HV	43	31	39	42	41	41	43	38	37	39	31	29	26	23	20	17				
	BNL	75	77	77	77	77	77	77	77	77	77	77	77	78	78	78	78	77			
	% HV	6	4	5	5	5	5	6	5	5	5	4	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	-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	-0.5	-0.5	80.5	82.6		
Facade Noise Levels dB(A)		82.0	82.2	82.9	83.2	83.2	83.0	83.3	83.1	83.3	83.2	82.4	82.5	82.5	81.8	81.1	80.5				
HKPSG Exceedances		12.0	12.2	12.9	13.2	13.2	13.0	13.3	13.1	13.3	13.2	12.4	12.5	12.5	11.8	11.1	10.5				
		16 = number of hours exceeded 70 dB(A)																			
3635	LV	1,770	2,506	2,532	2,284	2,098	2,185	2,308	2,375	2,629	2,371	1,744	2,452	2,741	2,188	1,745	1,393	2,429	1,861	2,225	
	HV	712	772	1,123	1,218	1,220	1,223	1,090	1,339	1,278	1,125	921	854	709	531	397	298	796	902	947	
	SPD	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29	29	29	
	total	2,482	3,278	3,655	3,501	3,318	3,408	3,398	3,714	3,906	3,496	2,665	3,306	3,450	2,718	2,143	1,691				
	% HV	29	24	31	35	37	36	32	36	33	32	35	28	21	20	19	18				
	BNL	76	77	78	78	77	78	78	78	78	78	76	77	78	77	76	74				
	% HV	3	2	3	4	4	4	3	4	3	3	4	2	2	1	1	1				
	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	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	-0.5	-0.5	77.6	81.1		
Facade Noise Levels dB(A)		80.0	80.5	81.9	82.2	82.1	82.2	81.7	82.5	82.4	81.9	80.9	80.8	80.2	79.0	77.8	76.6				
HKPSG Exceedances		10.0	10.5	11.9	12.2	12.1	12.2	11.7	12.5	12.4	11.9	10.9	10.8	10.2	9.0	7.8	6.6				
		16 = number of hours exceeded 70 dB(A)																			
3636	LV	2,274	3,063	3,199	2,984	2,741	2,855	3,015	3,103	3,435	3,206	2,683	3,444	3,581	2,858	2,281	1,820	2,969	2,862	2,907	
	HV	966	1,169	1,573	1,602	1,606	1,609	1,434	1,782	1,681	1,518	1,346	1,182	932	698	523	391	1,206	1,318	1,246	
	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	19	
	total	3,240	4,232	4,772	4,586	4,347	4,484	4,449	4,885	5,116	4,724	4,029	4,626	4,514	3,558	2,804	2,212				
	% HV	30	28	33	35	37	36	32	36	33	32	33	26	21	20	19	18				
	BNL	77	78	79	79	79	79	79	79	79	79	79	78	79	79	78	77	76			
	% HV	4	4	5	5	5	5	4	5	5	4	5	4	3	3	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	-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	-0.5	-0.5	85.3			
Facade Noise Levels dB(A)		84.2	85.1	86.3	86.4	86.3	86.4	85.9	86.8	86.8	86.6	86.2	85.5	85.2	84.3	83.1	81.9	80.7			
HKPSG Exceedances		14.2	15.1	16.3	16.4	16.3	16.4	15.9	16.8	16.6	16.2	15.6	15.2	14.3	13.1	11.9	10.7				
		16 = number of hours exceeded 70 dB(A)																			
3637	LV	2,467	2,582	2,171	2,393	2,248	2,330	2,210	2,413	2,497	2,624	2,974	3,171	3,382	2,822	2,692	2,560	2,315	2,899	2,593	
	HV	861	777	1,237	1,300	1,419	1,229	1,169	1,221	1,326	1,277	937	1,004	682	451	462	364	864	995	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	19	13	16	
	total	3,329	3,359	3,408	3,693	3,668	3,558	3,379	3,635	3,823	3,900	3,911	4,175	4,064	3,273	3,153	2,924				
	% HV	26	23	36	35	39	35	35	34	36	33	24	24	17	14	15	12				
	BNL	77	77	78	78	78	78	77	78	78	78	78	78	78	78	77	77	77			
	% HV	4	3	5	5	5	5	5	5	5	5	3	3	2	1	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	-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	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	-0.5	-0.5	82.0			
Facade Noise Levels dB(A)		81.4	81.0	82.8	83.0	83.4	82.8	82.6	82.8	83.1	83.0	81.8	82.1	80.7	79.1	79.1	78.3				
HKPSG Exceedances		11.4	11.0	12.8	13.0	13.4	12.8	12.8	13.1	13.0	11.8	12.1	10.7	9.1	9.1	8.3	8.2				
		16 = number of hours exceeded 70 dB(A)																			
3641	LV	4,000	4,197	3,948	3,850	2,479	2,273	2,093	2,340	2,924	3,927	3,116	4,050	3,316	2,347	2,877	2,740	3,734	3,354	3,048	
	HV	938	1,090	1,295	1,533	1,904	1,660	1,837	2,001	1,898	1,609	1,385	1,425	1,246	806	499	465	1,064	1,310	1,379	
	SPD	33.5	33.5	33.5	34.5	34.5	34.5	34.5	34.5	34.5	33.5	33.5	33.5	33.5	34.5	34.5	34.5	34	34	35	
	total	4,938	5,288	5,243	5,384	4,383	3,933	3,730	4,340	4,823	5,536	4,501	5,475	4,564	3,153	3,376	3,205				
	% HV	19	21	25	28	43	42	44	46	39	29	31	26	27	26	15	15				
	BNL	79	79	79	80	79	78	78	79	79	80	79	80	79	77	77	77				
	% HV	1	2	2	3	4	4	4	4	3	3	2	2	2	2	2	2				
	Gradient	6	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2				
	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	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	-0.5	-0.5	83.7			
Facade Noise Levels dB(A)		82.6	83.2	83.7	84.3	85.0	84.4	84.3	85.1	85.0	84.5	83.8	84.1	83.5	81.6	80.2	79.9				
HKPSG Exceedances		12.6	13.2	13.7	14.3	15.0	14.4	14.3	15.1	15.0	14.5	13.8	14.1	13.5	11.6	10.2	9.9				
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Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2016CTS-3(815100)MAIN MODEL RUN-V83 SCIII Full Hi/Hi 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			
3653	LV	1,415	1,818	1,581	1,402	1,394	1,323	1,253	1,467	1,512	1,492	1,369	1,817	1,783	1,425	1,138	909		1,623	1,361	1,430			
	HV	687	1,000	1,137	1,290	1,272	1,165	1,090	1,235	1,351	1,254	1,069	1,018	715	498	347	242		1,003	1,077	941			
	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	18	18			
	total	2101	2818	2718	2692	2666	2488	2343	2702	2864	2745	2469	2835	2499	1923	1485	1151							
	% HV	33	35	42	48	48	47	47	46	47	46	45	36	29	26	23	21							
	BNL	75	77	77	77	76	76	75	77	77	77	78	77	76	75	74	73							
	% HV	4	5	5	6	6	6	6	6	6	6	5	4	4	3	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							
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)		81.5	83.2	83.7	84.2	84.1	83.8	83.5	84.0	84.4	84.1	83.5	83.3	81.8	80.3	78.8	77.3	83.0						
HKPSG Exceedances		11.6	13.2	13.7	14.2	14.1	13.8	13.5	14.0	14.4	14.1	13.5	13.3	11.8	10.3	8.8	7.3							
		16	= number of hours exceeded 70 dB(A)																					
3702	LV	8,662	7,808	6,941	5,378	4,382	4,028	3,988	4,958	4,544	4,843	5,869	7,552	6,965	5,448	4,262	3,334		5,776	5,838	5,351			
	HV	1,735	1,435	1,786	1,866	1,982	1,686	2,073	2,404	2,249	2,206	1,774	1,745	1,389	1,066	818	628		1,382	1,741	1,710			
	SPD	70.0	70.0	70.0	74.0	74.0	74.0	74.0	74.0	74.0	72.0	72.0	72.0	72.0	74.0	74.0	74.0		70	72	74			
	total	10397	9243	8727	7243	6364	5714	6061	7362	6793	7049	7643	9297	8354	6514	5080	3962							
	% HV	17	16	20	26	31	30	34	33	33	31	23	19	17	16	16	16							
	BNL	82	82	82	81	80	80	80	81	81	81	81	82	81	80	79	78							
	% HV	3	3	3	4	5	5	5	5	5	5	4	3	3	3	3	3							
	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							
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)		78.6	77.9	78.3	78.4	78.4	77.8	78.5	79.2	78.9	78.7	78.2	78.5	77.8	78.8	75.7	74.6	78.0						
HKPSG Exceedances		8.6	7.9	8.3	8.4	8.4	7.8	8.5	9.2	8.9	8.7	8.2	8.5	7.8	8.8	5.7	4.6							
		16	= number of hours exceeded 70 dB(A)																					
3801	LV	4,819	5,440	5,393	5,329	4,870	5,282	4,856	5,435	5,545	5,212	5,427	6,187	6,367	5,550	6,083	6,427		5,278	5,349	5,570			
	HV	1,545	1,189	1,562	1,713	1,989	1,879	1,875	2,011	1,955	1,962	1,546	1,308	915	779	599	517		1,204	1,550	1,466			
	SPD	51.5	51.5	51.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5		52	49	49			
	total	6364	6629	6955	7042	6859	6961	6731	7446	7500	7173	6973	7495	7282	6330	6682	6944							
	% HV	24	18	22	24	29	24	28	27	25	27	22	17	13	12	9	7							
	BNL	80	80	81	81	81	81	80	81	81	81	81	81	81	81	80	80							
	% HV	3	2	2	2	3	2	3	3	3	3	2	1	1	1	0	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							
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)		81.3	80.8	81.4	81.5	82.0	81.5	81.8	82.1	82.0	82.0	81.2	80.8	79.9	79.2	78.7	78.5	81.1						
HKPSG Exceedances		11.3	10.6	11.4	11.8	12.0	11.5	11.8	12.1	12.0	12.0	11.2	10.8	9.9	9.2	8.7	8.5							
		16	= number of hours exceeded 70 dB(A)																					
3802	LV	1,642	2,436	2,201	2,133	1,882	2,181	2,047	2,191	2,136	2,098	2,029	2,634	2,259	1,910	1,615	1,365		2,167	2,113	2,022			
	HV	554	785	940	1,178	1,166	1,047	1,106	1,083	1,060	1,119	851	813	549	461	387	324		760	829	852			
	SPD	54.8	54.8	54.8	55.5	55.5	55.5	55.5	55.5	55.5	53.8	53.8	53.8	53.8	55.5	55.5	55.5		55	54	56			
	total	2195	3221	3141	3311	3048	3228	3153	3274	3196	3217	2880	3448	2808	2371	2001	1690							
	% HV	25	24	30	36	38	32	35	33	33	35	30	24	20	19	19	19							
	BNL	76	77	77	77	77	77	77	77	77	77	77	78	77	76	75	74							
	% HV	3	3	3	4	4	4	4	4	4	4	3	3	2	2	2	2							
	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							
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)		82.2	83.8	84.3	85.2	85.0	84.7	84.9	84.9	84.8	84.9	83.9	83.9	82.5	81.9	81.1	80.4	83.9						
HKPSG Exceedances		12.2	13.8	14.3	15.2	15.0	14.7	14.9	14.9	14.8	14.9	13.9	13.9	12.5	11.9	11.1	10.4							
		16	= number of hours exceeded 70 dB(A)																					
3803	LV	2,562	4,860	3,841	3,301	3,427	3,364	3,280	3,767	4,049	3,946	5,060	5,368	5,535	5,540	5,548	5,551		4,566	5,276	4,142			
	HV	3,379	3,364	4,051	4,454	4,516	4,309	4,533	4,382	4,521	4,439	3,688	3,685	3,654	3,050	2,545	2,124		3,321	3,550	3,900			
	SPD	44.0	44.0	40.5	40.5	40.5	40.5	40.5	40.5	40.5	37.5	37.5	37.5	37.5	40.5	40.5	40.5		44	38	41			
	total	5941	8224	7892	7756	7943	7873	7914	8148	8571	8386	8728	9053	9189	8590	8091	7675							
	% HV	57	41	51	57	57	56	59	54	53	53	42	41	40	36	31	28							
	BNL	80	81	81	81	81	81	81	81	82	81	82	82	82	82	81	81							
	% HV	5	4	5	5	5	5	5	5	5	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	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	-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)		83.6	83.8	84.4	84.7	84.8	84.8	84.9	84.7	84.8	84.7	84.0	84.1	84.0	83.4	82.7	82.0	84.1						
HKPSG Exceedances		13.6	13.8	14.4	14.7	14.8	14.6	14.9	14.7	14.8	14.7	14.0	14.1	14.0	13.4	12.7	12.0							
		16	= number of hours exceeded 70 dB(A)																					
3804	LV	4,101	4,271	4,044	3,791	3,010	3,076	2,875	3,433	3,492	3,953	4,794	5,212	4,449	3,864	3,355	2,914		3,998	4,735	3,628			
	HV	2,353	2,348	3,282	4,086	3,886	4,032	3,712	4,225	4,172	3,842	2,836	2,502	1,972	1,508	1,154	882		2,379	2,710	3,031			
	SPD	55.0	55.0	55.0	51.0	51.0	51.0	51.0	51.0	51.0	50.0	50.0	50.0</											

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2016CTS-3(815100)MAIN MODEL RUN-V83 SCIII Full H/Hi Fleet Budget Toll New Bus

2016CTS-3(815100)MAIN MODEL RUN-V83 SCIII Full HUIH Fleet Budget For New Bus																				Model Output		
		Hour Start / 2-way Hourly Traffic Volume (veh.) or Speed (km/hr)																		AM	PM	OP
Stn.		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22					
3806	LV	3,687	4,359	4,022	3,736	3,714	3,525	3,337	3,908	4,029	4,069	4,118	5,095	4,751	3,795	3,032	2,422	3,892	4,093	3,810		
	HV	1,652	2,211	2,560	3,189	3,145	2,880	2,685	3,054	3,340	3,035	2,481	2,410	1,768	1,232	859	598	2,218	2,430	2,326		
	SPD	63.5	63.5	63.5	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	64	62	62		
	total	5,339	6,571	6,582	6,925	6,859	6,405	6,032	6,962	7,370	7,104	8,598	7,505	6,520	5,028	3,890	3,020					
	% HV	31	34	40	46	46	45	45	44	45	43	38	32	27	25	22	20					
	BNL	79	80	80	81	81	80	80	81	81	81	80	81	80	79	78	77					
	% HV	4	4	5	5	5	5	5	5	5	5	5	4	4	3	3	3					
	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	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
3807	LV	2,694	2,651	2,553	2,335	2,290	2,483	2,172	2,682	2,362	2,494	3,079	3,694	3,394	2,681	2,118	1,673	2,500	3,058	2,531		
	HV	1,084	859	1,277	1,771	1,914	1,743	1,842	1,878	1,648	1,679	1,292	1,005	730	524	376	270	910	1,242	1,290		
	SPD	20.5	20.5	20.5	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	21	9	11		
	total	3,778	3,520	3,830	4,106	4,204	4,226	4,014	4,560	4,010	4,173	4,371	4,698	4,123	3,205	2,494	1,944					
	% HV	29	24	33	43	46	41	46	41	41	40	30	21	18	16	15	14					
	BNL	78	78	78	78	78	78	78	78	78	78	79	79	78	77	76	75					
	% HV	4	3	4	6	6	5	6	5	5	5	4	3	2	2	2	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	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
3814	LV	2,466	1,837	2,165	2,279	2,235	2,423	2,120	2,618	2,305	2,379	2,704	3,438	3,312	2,816	2,067	1,633	1,726	2,586	2,470		
	HV	786	568	904	1,311	1,417	1,290	1,363	1,390	1,220	1,234	927	733	540	388	279	200	602	891	955		
	SPD	21.5	21.5	21.5	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	22	14	15		
	total	3,252	2,406	3,069	3,590	3,652	3,713	3,483	4,008	3,525	3,613	3,632	4,170	3,852	3,004	2,346	1,833					
	% HV	24	24	29	37	39	35	39	35	35	34	26	18	14	13	12	11					
	BNL	77	76	77	78	78	78	78	78	78	78	78	78	78	77	76	75					
	% HV	3	3	4	5	5	5	5	5	5	5	4	2	1	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					
3816	LV	2,423	3,027	3,156	2,959	3,028	2,924	2,916	3,179	3,221	3,183	2,984	3,265	3,495	3,141	3,168	3,213	2,938	3,008	3,110		
	HV	719	952	1,041	1,280	1,195	1,272	1,166	1,113	1,145	1,129	1,029	1,128	1,022	823	717	663	893	1,032	1,042		
	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	14	14	12		
	total	3,143	3,979	4,197	4,239	4,221	4,196	4,082	4,293	4,365	4,312	4,013	4,393	4,517	3,964	3,885	3,876					
	% HV	23	24	25	30	28	30	29	26	26	26	26	26	23	21	18	17					
	BNL	77	78	78	78	78	78	78	78	79	79	78	78	79	79	78	78					
	% HV	3	3	3	4	4	4	4	4	4	4	4	4	3	3	2	2					
	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	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
3818	LV	916	1,720	2,029	1,697	1,687	1,802	1,648	1,887	1,821	1,606	1,620	2,030	2,325	2,045	1,996	1,855	1,568	1,617	1,849		
	HV	530	935	1,000	1,083	1,052	1,001	897	1,068	1,175	1,080	906	870	617	514	415	387	911	920	826		
	SPD	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21	21	21		
	total	1,446	2,655	3,029	2,780	2,739	2,802	2,546	2,955	2,996	2,686	2,526	2,900	2,942	2,560	2,412	2,242					
	% HV	37	35	33	39	38	36	35	36	39	40	36	30	21	20	17	17					
	BNL	74	76	77	77	77	77	78	77	77	76	76	77	77	77	76	75					
	% HV	5	5	4	5	5	5	5	5	5	5	5	4	3	2	2	2					
	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					
3820	LV	1,079	1,747	1,524	1,491	1,548	1,520	1,482	1,702	1,829	1,716	2,000	2,255	2,500	2,503	2,505	2,507	1,641	2,085	1,871		
	HV	1,020	1,020	1,224	1,343	1,362	1,299	1,397	1,321	1,363	1,338	1,103	1,110	1,102	920	768	641	1,007	1,068	1,176		
	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	17	18		
	total	2,099	2,767	2,748	2,834	2,910	2,819	2,879	3,023	3,193	3,054	3,103	3,365	3,602	3,422	3,273	3,148					
	% HV	49	37	45	47	47	46	49	44	43	44	36	33	31	27	23	20					
	BNL	75	77	77	77	77	77	77	77	77	77	77	77	77	78	78	77					
	% HV	6	5	6	6	6	6	6	6	6	6	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	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					

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2016CTS-3(815100)MAIN MODEL RUN-V83 SCIII Full Hi/Hi 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
3828	LV	1,761	2,505	2,524	2,269	2,085	2,171	2,293	2,380	2,612	2,358	1,744	2,442	2,724	2,174	1,735	1,384	2,428	1,860	2,211
	HV	709	772	1,119	1,211	1,214	1,216	1,084	1,332	1,271	1,121	921	852	705	528	395	295	796	902	942
	SPD	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	21.0	21.0	21.0	21.0	21.0	20.0	20.0	20.0	17	21	19
	total	2471	3277	3643	3481	3299	3388	3378	3692	3883	3479	2665	3294	3429	2702	2130	1680			
	% HV	29	24	31	35	37	36	32	36	33	32	35	26	21	20	19	18			
	BNL	76	77	78	78	77	77	77	78	78	78	76	77	78	77	75	74			
	% HV	4	3	4	5	5	5	4	5	5	4	4	3	3	3	2	2			
	Gradient	0	0	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			
3829	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)	81.1	81.6	83.1	83.3	83.3	83.3	82.9	83.7	83.6	82.8	81.9	81.8	81.1	80.1	78.9	77.6	82.2		
	HKPSG Exceedances	11.1	11.6	13.1	13.3	13.3	13.3	12.9	13.7	13.6	12.6	11.9	11.8	11.1	10.1	8.9	7.6			
	16	= number of hours exceeded 70 dB(A)																		
	LV	2,274	3,063	3,199	2,984	2,741	2,855	3,015	3,103	3,435	3,206	2,683	3,444	3,581	2,858	2,281	1,820	2,969	2,862	2,907
	HV	966	1,169	1,573	1,602	1,506	1,609	1,434	1,762	1,681	1,518	1,346	1,182	932	698	523	391	1,206	1,318	1,246
	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	19
	total	3240	4232	4772	4586	4247	4464	4449	4865	5116	4724	4029	4626	4514	3556	2804	2212			
	% HV	30	28	33	35	37	36	32	38	33	32	33	28	21	20	19	18			
	BNL	77	78	79	79	79	79	79	79	79	79	78	79	79	78	77	76			
3830	% HV	4	4	5	5	5	5	4	5	5	4	5	4	3	3	2	2			
	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	Average Level over 16 hr		
	Facade Noise Levels dB(A)	84.2	85.1	86.3	86.4	86.3	86.4	85.9	86.8	86.6	86.2	85.6	85.2	84.3	83.1	81.9	80.7	85.3		
	HKPSG Exceedances	14.2	15.1	16.3	16.4	16.3	16.4	15.9	16.8	16.6	16.2	15.6	15.2	14.3	13.1	11.9	10.7			
	16	= number of hours exceeded 70 dB(A)																		
	LV	2,445	2,550	2,149	2,374	2,230	2,311	2,192	2,394	2,477	2,607	2,970	3,155	3,355	2,799	2,670	2,540	2,286	2,895	2,572
	HV	826	739	1,184	1,250	1,365	1,182	1,124	1,175	1,275	1,228	901	966	656	434	444	350	821	957	959
3843	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	14	17
	total	3271	3288	3332	3624	3596	3493	3317	3569	3752	3834	3872	4121	4011	3233	3114	2889			
	% HV	25	22	36	34	38	34	34	33	34	32	23	23	16	13	14	12			
	BNL	77	77	77	78	78	78	77	78	78	78	78	78	78	77	77	77			
	% HV	4	3	5	5	5	5	5	5	5	4	3	3	2	1	1	1			
	Gradient	8	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	Average Level over 16 hr		
	Facade Noise Levels dB(A)	81.2	80.8	82.6	82.9	83.2	82.6	82.4	82.6	83.0	82.8	81.7	82.0	80.6	78.9	79.0	78.1	81.3		
3854	HKPSG Exceedances	11.2	10.8	12.6	12.9	13.2	12.6	12.4	12.6	13.0	12.8	11.7	12.0	10.6	8.9	9.0	8.1			
	16	= number of hours exceeded 70 dB(A)																		
	LV	1,319	1,681	1,730	1,601	1,637	1,582	1,720	1,742	1,745	1,709	1,815	1,891	1,699	1,714	1,738		1,632	1,723	1,683
	HV	743	1,003	1,082	1,315	1,228	1,307	1,199	1,144	1,177	1,153	1,028	1,144	1,051	846	737	681	942	1,031	1,071
	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	2063	2685	2812	2916	2865	2889	2778	2864	2919	2898	2737	2959	2942	2545	2450	2419			
	% HV	36	37	38	45	43	45	43	40	40	40	38	39	36	33	30	28			
	BNL	75	76	77	77	77	77	77	77	77	77	77	77	77	76	76	76			
	% HV	5	5	5	6	6	6	6	5	5	5	5	5	5	5	4	4			
	Gradient	0	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
3893	Distance	5	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)	83.2	84.5	84.6	85.6	85.3	85.8	85.2	85.1	85.9	85.8	85.4	85.5	85.1	84.1	82.3	80.6	80.3	84.6	
	HKPSG Exceedances	13.4	14.9	15.0	15.0	15.8	15.2	15.1	15.9	15.8	15.4	15.5	15.1	14.1	12.3	10.6	10.3			
	16	= number of hours exceeded 70 dB(A)																		
	LV	2,045	1,493	1,788	1,898	1,861	2,018	1,765	2,180	1,920	1,899	1,797	2,510	2,758	2,179	1,721	1,360	1,403	1,785	2,057
	HV	462	355	540	760	822	749	791	906	708	722	559	433	313	225	162	116	376	537	554
	SPD	25.0	25.0	25.0	20.0	20.0	20.0	20.0	20.0	20.0	22.0	22.0	22.0	22.0	20.0	20.0	20.0	25	22	20
	total	2508	1848	2328	2658	2683	2766	2558	2986	2627	2621	2356	3042	3071	2404	1883	1476			
	% HV	18	19	23	29	31	27	31	27	27	28	24	14	10	9	8				
	BNL	76	75	76	76	76	77	76	77	76	76	76	77	77	76	75	74			
	% HV	2	2	2	4	4	4	4	4	4	3	3	1	0	0	0	0			
	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	Average Level over 16 hr		
	Facade Noise Levels dB(A)	76.4	75.2	76.8	79.0	79.3	79.0	79.1	79.3	78.7	78.4	77.4	75.7	74.7	73.4	72.1	77.4			
	HKPSG Exceedances	6.4	5.2	6.8	9.0	9.3	9.0	9.1	9.3	8.7	8.4	7.4	6.7	5.7	4.7	3.4	2.1			
	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-V83 SCIII Full Hi/Hi 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	1,360	2,144	1,857	1,735	1,531	1,774	1,665	1,783	1,738	1,698	1,612	2,120	1,836	1,554	1,314	1,111	1,908	1,679	1,845
	HV	466	671	795	986	978	876	926	906	887	943	734	690	459	385	324	272	649	715	713
	SPD	58.2	58.2	58.2	59.8	59.8	59.8	59.8	59.8	59.8	60.8	60.8	60.8	60.8	59.8	58.8	59.8	58	61	60
	total	1825	2815	2652	2722	2507	2650	2591	2689	2625	2640	2346	2810	2297	1939	1637	1382			
	% HV	26	24	30	36	39	33	36	34	34	36	31	25	20	20	20	20			
	BNL	75	77	76	77	76	78	78	76	76	76	76	77	76	75	74	74			
	% HV	3	3	4	4	5	4	4	4	4	4	4	3	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	-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	81.6		
Facade Noise Levels dB(A)		79.9	81.6	82.0	82.8	82.7	82.4	82.8	82.5	82.4	82.7	81.8	81.8	80.4	79.5	78.8	78.0			
HKPSG Exceedances		9.9	11.6	12.0	12.8	12.7	12.4	12.6	12.5	12.4	12.7	11.8	11.8	10.4	9.5	8.8	8.0			
		16	= number of hours exceeded 70 dB(A)																	
4003	LV	5,814	8,463	5,831	5,521	3,555	3,260	3,002	3,355	4,194	5,788	5,028	6,144	4,757	3,365	4,126	3,929	5,749	5,411	4,368
	HV	2,347	2,616	3,201	3,878	4,816	4,199	4,140	5,060	4,802	4,022	3,291	3,513	3,152	2,040	1,262	1,176	2,553	3,113	3,488
	SPD	47.5	47.5	47.5	47.0	47.0	47.0	47.0	47.0	47.0	45.0	45.0	45.0	45.0	47.0	47.0	47.0	48	45	47
	total	8160	9079	9032	9400	8371	7458	7142	8415	8996	9810	8318	9657	7909	5405	5388	5105			
	% HV	29	29	35	41	58	58	58	60	53	41	40	36	40	38	23	23			
	BNL	81	82	82	82	81	81	81	81	82	82	81	82	81	80	80	79			
	% HV	3	3	4	4	5	5	5	6	5	4	4	4	4	4	2	2			
	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	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	85.0		
Facade Noise Levels dB(A)		83.8	84.3	85.0	85.6	86.4	85.8	85.7	86.5	86.4	85.7	84.9	85.2	84.7	82.9	81.3	81.1	85.0		
HKPSG Exceedances		13.8	14.3	15.0	15.6	16.4	15.6	15.7	16.5	16.4	15.7	14.9	15.2	14.7	12.9	11.3	11.1			
		16	= number of hours exceeded 70 dB(A)																	
4011	LV	1,223	1,577	1,574	1,646	1,452	1,683	1,580	1,691	1,648	1,586	1,423	1,948	1,744	1,474	1,246	1,053	1,403	1,482	1,560
	HV	263	334	432	574	568	510	539	528	516	539	390	386	267	224	188	158	323	380	415
	SPD	39.5	39.5	39.5	37.5	37.5	37.5	37.5	37.5	37.5	38.0	38.0	38.0	38.0	37.5	37.5	37.5	40	38	38
	total	1485	1911	2006	2220	2020	2193	2119	2219	2165	2125	1814	2334	2011	1698	1434	1212			
	% HV	18	17	22	26	28	23	25	24	24	25	22	17	13	13	13	13			
	BNL	74	75	75	76	75	76	75	76	76	76	75	75	76	75	74	73			
	% HV	1	1	2	3	2	2	2	2	2	2	2	1	0	0	0	0			
	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	-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	78.5		
Facade Noise Levels dB(A)		76.9	78.0	78.9	79.9	79.7	79.5	79.8	79.6	79.5	79.6	78.4	78.7	77.4	76.6	75.9	75.1	78.5		
HKPSG Exceedances		6.9	8.0	8.9	9.9	9.7	9.5	9.6	9.6	9.5	9.5	8.4	8.7	7.4	6.6	5.9	5.1			
		16	= number of hours exceeded 70 dB(A)																	
4012	LV	2,271	2,450	2,211	1,920	1,883	2,041	1,786	2,205	1,942	2,052	2,537	3,040	2,780	2,204	1,741	1,376	2,302	2,520	2,081
	HV	753	749	950	1,157	1,251	1,139	1,203	1,227	1,077	1,121	922	685	477	342	246	177	793	886	843
	SPD	35.5	35.5	35.5	37.0	37.0	37.0	37.0	37.0	37.0	37.0	32.5	32.5	32.5	37.0	37.0	37.0	36	33	37
	total	3024	3199	3161	3077	3133	3180	2989	3432	3019	3172	3459	3726	3267	2547	1987	1552			
	% HV	25	23	30	38	40	36	40	36	36	35	27	18	15	13	12	11			
	BNL	77	77	77	77	77	77	77	78	77	77	78	77	77	76	75	74			
	% HV	2	2	3	4	4	3	4	3	3	3	2	1	0	0	0	0			
	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	-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	79.9		
Facade Noise Levels dB(A)		79.6	79.6	80.4	81.1	81.4	81.0	81.2	81.4	80.8	81.0	80.4	79.5	78.2	76.9	75.6	74.3	79.9		
HKPSG Exceedances		9.8	9.6	10.4	11.1	11.4	11.0	11.2	11.4	10.8	11.0	10.4	9.5	8.2	6.9	5.6	4.3			
		16	= number of hours exceeded 70 dB(A)																	
4014	LV	2,242	2,775	2,911	2,746	2,808	2,713	2,706	2,950	2,989	2,981	2,880	3,088	3,243	2,915	2,940	2,981	2,893	2,903	2,886
	HV	815	784	881	1,105	1,032	1,099	1,007	962	989	970	868	963	883	711	619	573	736	870	900
	SPD	20.5	20.5	20.5	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	21	20	20
	total	2857	3559	3792	3851	3840	3812	3713	3912	3977	3951	3748	4051	4126	3626	3559	3554			
	% HV	22	22	23	29	27	29	27	25	25	25	23	24	21	20	17	16			
	BNL	77	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78			
	% HV	3	3	3	4	4	4	4	3	3	3	3	3	3	3	2	2			
	Gradient	0	Gradient	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			
	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	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	84.2		
Facade Noise Levels dB(A)		82.6	83.6	84.1	85.0	84.8	85.0	84.7	84.5	84.6	84.6	84.1	84.6	84.3	83.4	82.9	82.6	84.2		
HKPSG Exceedances		12.8	13.8	14.1	15.0	14.8	15.0	14.7	14.5	14.6	14.6	14.1	14.6	14.3	13.4	12.9	12.6			
		16	= number of hours exceeded 70 dB(A)																	
4016	LV	916	1,720	2,029	1,697	1,687	1,802	1,648	1,887	1,821	1,606	1,620	2,030	2,325	2,045	1,996	1,855	1,568	1,617	1,849
	HV	530	935	1,000	1,083	1,052	1,001	897	1,068	1,175	1,080	906	870	817	514	415	387	911	920	826
	SPD	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21	21	21
	total	1446	2655	3029	2780	2739	2802	2546	2955	2996	2685	2526	2900	2942	2560	2412	2242			
	% HV	37	35	33	39	38	36	35	36	39	40	36	30	21	20	17	17			
	BNL	74	78	77	77	77	77	76	77	77	76	76	77	77	78	76	76			
	% HV	5	5	4	5	5	5	5	5	5	5	5	4	3	2	2	2			
	Gradient	0	Gradient	0	0															

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2016CTS-3(815100)MAIN MODEL RUN-V83 SCIII Full Hi/Hi Fleet Budget Toll New Bus

		Hour Start / 2-way Hourly Traffic Volume (veh./hr) 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			
4018	LV	1,204	2,013	1,720	1,643	1,705	1,674	1,532	1,874	2,015	1,835	1,962	2,342	2,754	2,757	2,759	2,762	1,891	2,046	2,051			
	HV	1,015	1,646	1,229	1,326	1,344	1,283	1,379	1,304	1,346	1,340	1,166	1,130	1,088	908	758	632	1,033	1,129	1,161			
	SPD	20.5	20.5	20.5	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	21	20	20			
	total	2,219	3,659	2,950	2,969	3,049	2,957	3,012	3,179	3,361	3,175	3,129	3,472	3,842	3,665	3,517	3,394						
	% HV	46	34	42	45	44	43	46	41	40	42	37	33	28	25	22	19						
	BNL	76	77	77	77	77	77	77	77	77	77	77	78	78	78	78	78						
	% HV	5	5	5	6	6	6	5	5	5	5	4	4	4	3	3	2						
	Gradient	0	0	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	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	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	-0.5	-0.5	83.1					
Facade Noise Levels dB(A)		82.4	82.6	83.2	83.6	83.7	83.5	83.8	83.6	83.7	83.7	83.1	83.0	82.3	81.6	80.9	83.1						
HKPSG Exceedances		12.4	12.6	13.2	13.6	13.7	13.5	13.8	13.6	13.7	13.7	13.1	13.1	13.0	12.3	11.6	10.9						
		16	= number of hours exceeded 70 dB(A)																				
4024	LV	1,744	2,475	2,497	2,249	2,066	2,151	2,273	2,338	2,589	2,340	1,739	2,427	2,699	2,154	1,719	1,372	2,399	1,855	2,191			
	HV	679	727	1,066	1,164	1,166	1,169	1,042	1,280	1,221	1,075	882	817	677	507	380	284	750	864	905			
	SPD	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	26.0	26.0	26.0	26.0	24.0	24.0	24.0	24	26	24			
	total	2,423	3,202	3,563	3,413	3,232	3,320	3,314	3,618	3,810	3,415	2,621	3,244	3,376	2,661	2,099	1,656						
	% HV	28	23	30	34	36	35	31	35	32	31	34	25	20	19	18	17						
	BNL	76	77	78	78	77	77	77	78	78	78	78	77	77	76	75	74						
	% HV	3	2	3	4	4	4	4	4	4	3	4	3	2	2	2	1						
	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	-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	-0.5	-0.5	81.3					
Facade Noise Levels dB(A)		80.2	80.7	82.1	82.4	82.4	82.5	82.0	82.8	82.7	81.9	81.0	80.9	80.2	79.2	78.0	76.8						
HKPSG Exceedances		10.2	10.7	12.1	12.4	12.4	12.5	12.0	12.8	12.7	11.9	11.0	10.9	10.2	9.2	8.0	6.8						
		16	= number of hours exceeded 70 dB(A)																				
4026	LV	1,669	1,711	1,459	1,627	1,529	1,584	1,503	1,641	1,698	1,821	2,206	2,248	2,300	1,919	1,830	1,741	1,534	2,150	1,763			
	HV	589	536	846	886	988	838	797	833	904	875	652	691	465	308	315	248	596	692	680			
	SPD	24.0	24.0	24.0	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	24	20	22			
	total	2,258	2,247	2,307	2,514	2,497	2,422	2,300	2,474	2,502	2,696	2,858	2,940	2,765	2,226	2,145	1,989						
	% HV	26	24	37	35	39	36	35	34	35	32	23	24	17	14	15	12						
	BNL	76	76	76	76	76	76	76	76	76	76	77	77	77	76	75	74						
	% HV	3	3	4	4	5	4	4	4	4	4	3	3	2	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	-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	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	-0.5	-0.5	80.0					
Facade Noise Levels dB(A)		79.1	78.7	80.4	81.0	81.3	80.7	80.5	80.7	81.1	81.4	80.3	80.5	79.0	77.1	77.1	76.2						
HKPSG Exceedances		9.1	8.7	10.4	11.0	11.3	10.7	10.5	10.7	11.1	11.4	10.3	10.5	9.0	7.1	7.1	6.2						
		16	= number of hours exceeded 70 dB(A)																				
4028	LV	1,026	1,168	999	738	652	740	677	708	715	751	973	979	1,048	857	700	572	1,061	941	784			
	HV	463	363	439	384	402	387	403	396	469	417	434	376	354	251	178	126	369	405	359			
	SPD	45.5	45.5	45.5	47.0	47.0	47.0	47.0	47.0	47.0	45.5	45.5	45.5	45.5	47.0	47.0	47.0	46	45	47			
	total	1,489	1,531	1,438	1,123	1,054	1,127	1,080	1,103	1,184	1,168	1,407	1,355	1,402	1,108	878	699						
	% HV	31	24	31	34	38	34	37	36	40	36	31	28	25	23	20	18						
	BNL	74	74	74	73	72	73	73	73	73	73	74	74	74	73	72	71						
	% HV	3	2	3	4	4	4	4	4	4	4	3	3	2	2	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	-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	-0.5	-0.5	78.0					
Facade Noise Levels dB(A)		79.0	78.2	78.7	78.1	78.2	78.1	78.2	78.2	78.9	78.4	78.7	78.2	78.0	76.7	75.4	74.0						
HKPSG Exceedances		9.0	8.2	8.7	8.1	8.2	8.1	8.2	8.2	8.9	8.4	8.7	8.2	8.0	6.7	5.4	4.0						
		16	= number of hours exceeded 70 dB(A)																				
4054	LV	3,443	2,933	3,226	3,456	2,225	2,040	1,879	2,100	2,625	3,489	2,671	3,559	2,978	2,106	2,582	2,459	2,509	2,875	2,734			
	HV	1,085	1,538	1,595	1,570	2,074	1,808	1,783	2,179	2,068	1,810	1,784	1,662	1,357	878	543	507	1,501	1,669	1,502			
	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	16	16			
	total	4,528	4,471	4,822	5,026	4,299	3,848	3,662	4,279	4,693	5,299	4,455	5,221	4,335	2,985	3,126	2,966						
	% HV	24	34	33	33	48	47	49	51	44	34	40	32	31	29	17	17						
	BNL	79	79	79	79	79	78	78	79	79	79	79	79	79	79	77	77						
	% HV	3	5	5	4	6	6	6	6	6	5	5	4	4	4	2	2						
	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	-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	-0.5	-0.5	85.9					
Facade Noise Levels dB(A)		84.7	86.0	86.2	86.4	87.1	86.8	86.5	87.3	87.2	86.7	86.5	86.5	86.4	85.5	83.5	81.9						
HKPSG Exceedances		14.7	15.0	16.2	16.4	17.1	16.6	16.3	17.3	17.2	16.7	16.5	16.4	15.5	13.6	11.9	11.6						
		16	= number of hours exceeded 70 dB(A)																				
4201	LV	2,613	2,652	1,682	1,532	1,392	1,323	1,473	1,605	1,743	1,722	2,072	2,540	2,267	2,015	1,791	1,592	2,253	2,082	1,794			
	HV	343	491	505	521	487	436	494	518	492	498	483	437	367	274	205	153	473	479	403			
	SPD	34.5	34.5	34.5	35.0	35.0	35.0	35.0	35.0	35.0	33.5	33.5	33.5	33.5	35.0	35.0	35.0	35	34	35			
	total	2,956	3,143	2,187	2,052	1,878	1,759	1,967	2,123	2													

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2016CTS-3(815100)MAIN MODEL RUN-V83 SCIII Full Hi/Hi 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
4203	LV	1,658	2,430	2,400	2,113	1,941	2,022	2,136	2,196	2,433	2,190	1,599	2,260	2,537	2,024	1,616	1,289	2,355	1,706	2,059
	HV	557	581	868	960	983	965	860	1,056	1,008	889	732	876	559	419	313	235	599	717	747
	SPD	20.5	20.5	20.5	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	21	16	19
	total	2215	3010	3268	3074	2904	2986	2995	3254	3440	3079	2331	2936	3096	2443	1929	1524			
	% HV	25	19	27	31	33	32	29	32	29	29	31	23	18	17	16	15			
	BNL	76	77	77	77	77	77	77	77	78	77	78	77	77	76	75	74			
	% HV	3	2	4	4	5	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
4204	LV	2,055	2,385	2,615	2,565	2,623	2,535	2,528	2,756	2,792	2,733	2,484	2,777	3,029	2,722	2,746	2,785	2,315	2,503	2,696
	HV	680	859	971	1,225	1,144	1,218	1,117	1,066	1,096	1,082	968	1,081	979	788	586	635	806	991	998
	SPD	20.8	20.8	20.8	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	19	18
	total	2735	3244	3586	3790	3767	3752	3644	3822	3867	3815	3472	3858	4008	3511	3432	3419			
	% HV	25	26	27	32	30	32	31	28	28	28	28	28	24	22	20	19			
	BNL	77	77	78	78	78	78	78	78	78	78	78	78	78	78	78	78			
	% HV	3	4	4	4	4	4	4	4	4	4	4	4	3	3	3	2			
	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	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
4205	LV	1,583	2,152	2,068	2,104	1,856	2,151	2,019	2,161	2,107	2,038	1,864	2,517	2,229	1,884	1,593	1,347	1,914	1,941	1,994
	HV	347	490	586	739	731	857	694	679	665	691	495	494	344	289	242	203	474	482	534
	SPD	22.0	22.0	22.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	21.5	21.5	21.5	20.0	20.0	20.0	22	22	20
	total	1930	2641	2656	2843	2587	2808	2713	2840	2771	2729	2359	3011	2573	2173	1835	1550			
	% HV	18	19	22	26	28	23	26	24	24	25	21	16	13	13	13	13			
	BNL	75	76	76	77	78	77	77	77	77	77	75	77	75	75	75	74			
	% HV	2	2	3	4	4	3	4	3	3	3	3	2	1	1	1	1			
	Gradient	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
	Distance	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
4208	LV	4,971	5,745	5,460	4,856	5,347	5,604	5,504	5,758	5,538	5,254	5,712	5,717	6,901	6,102	6,186	5,975	5,648	5,604	5,667
	HV	2,009	2,114	2,405	2,442	2,555	2,847	2,722	2,753	2,792	2,757	2,354	2,273	1,538	1,313	1,039	908	2,209	2,338	2,149
	SPD	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	31.5	31.5	31.5	31.5	31.5	32.0	32.0	32	32	32
	total	6980	7858	7865	7298	7901	8351	8226	8511	8330	8010	8065	7990	8439	7415	7224	6883			
	% HV	29	27	31	33	32	34	33	32	34	34	29	28	18	18	14	13			
	BNL	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81			
	% HV	3	2	3	3	3	3	3	3	3	3	3	3	1	1	0	0			
	Gradient	3	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			
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
4212	LV	1,312	1,245	1,470	1,534	1,584	1,686	1,575	1,686	1,651	1,705	1,389	1,715	1,873	1,588	1,346	1,141	1,211	1,365	1,600
	HV	832	919	1,027	1,079	1,089	1,137	1,085	1,067	1,169	1,066	960	905	758	540	385	274	960	923	878
	SPD	20.5	20.5	20.5	21.0	21.0	21.0	21.0	21.0	21.0	22.0	22.0	22.0	22.0	21.0	21.0	21.0	21	22	21
	total	2143	2164	2497	2612	2662	2823	2660	2753	2819	2771	2349	2620	2631	2128	1731	1415			
	% HV	39	42	41	41	40	41	39	41	38	41	35	29	25	22	19				
	BNL	76	76	76	76	76	77	76	77	77	77	76	76	76	75	75	74			
	% HV	5	5	5	5	5	5	5	5	5	5	4	4	4	3	3	2			
	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	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
4213	LV	4,061	5,639	5,340	5,272	5,633	5,967	5,779	5,643	5,686	5,769	5,426	5,878	5,864	5,623	5,391	5,169	5,110	5,557	5,558
	HV	817	1,075	1,382	1,718	1,807	1,610	1,670	1,781	1,752	1,617	1,248	1,200	974	685	481	338	1,105	1,276	1,278
	SPD	46.5	46.5	46.5	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	47	41	41
	total	4878	6714	6723	6990	7439	7577	7449	7423	7438	7385	6674	7078	6839	6308	5873	5508			
	% HV	17	16	21	25	24	21	22	24	24	22	19	17	14	11	8	6			
	BNL	79	80	80	81	81	81	81	81	81	81	81	81	81	81	80	80			
	% HV	1	1	2	2	2	2	2	2	2	2	1	1	1	0	-1	-1			
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance	21	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3			
	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-V83 SCIII Full Hi/Hi 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		
4214	LV	6,178	5,136	5,577	5,583	5,476	5,937	5,193	6,414	5,648	5,752	5,200	8,186	8,115	6,411	5,064	4,001	4,825	6,158	6,052		
	HV	1,871	1,454	2,193	3,071	3,319	3,022	3,194	3,256	2,857	2,909	2,234	1,739	1,265	909	653	469	1,540	2,147	2,237		
	SPD	52.5	52.5	52.5	47.5	47.5	47.5	47.5	47.5	47.5	48.5	48.5	48.5	48.5	47.5	47.5	47.5	53	49	48		
	total	8048	6590	7771	8654	8794	8959	8387	9670	8505	8862	8434	9925	9380	7319	5717	4470					
	% HV	23	22	28	35	38	34	38	34	34	34	26	18	13	12	11	10					
	BNL	81	80	81	82	82	82	81	82	81	82	81	82	82	81	80	79					
	% HV	3	2	3	4	4	3	4	3	3	4	3	2	1	1	0	0					
	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	-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	Average Level over 16 hr				
Facade Noise Levels dB(A)		84.2	83.2	84.6	85.6	85.9	85.6	85.7	85.9	85.4	85.5	84.6	84.1	83.1	81.8	80.5	79.2	84.4				
HKPSG Exceedances		14.2	13.2	14.6	15.6	15.9	15.6	15.7	15.9	15.4	15.5	14.6	14.1	13.1	11.8	10.5	9.2					
16		= number of hours exceeded 70 dB(A)																				
4217	LV	4,041	4,121	3,807	2,994	2,842	3,000	2,745	2,889	2,901	2,935	3,375	3,686	4,250	3,474	2,840	2,321	3,743	3,264	3,179		
	HV	1,541	1,163	1,445	1,292	1,352	1,302	1,355	1,330	1,577	1,384	1,372	1,228	1,189	844	599	425	1,181	1,281	1,207		
	SPD	25.0	25.0	25.0	32.3	32.3	32.3	32.3	32.3	32.3	31.8	31.8	31.8	31.8	31.8	32.3	32.3	25	32	32		
	total	5583	5284	5252	4285	3994	4302	4100	4199	4478	4319	4747	4914	5439	4317	3438	2746					
	% HV	28	22	28	30	34	30	33	32	35	32	29	25	22	20	17	15					
	BNL	80	79	79	79	78	79	78	78	79	79	79	79	79	80	79	78					
	% HV	3	2	3	3	3	3	3	3	3	3	3	2	2	1	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	-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)		85.5	84.4	85.2	84.2	84.3	84.2	84.3	84.3	84.9	84.4	84.5	84.1	84.1	82.7	81.4	80.0	84.1				
HKPSG Exceedances		15.5	14.4	15.2	14.2	14.3	14.2	14.3	14.3	14.9	14.4	14.5	14.1	14.1	12.7	11.4	10.0					
16		= number of hours exceeded 70 dB(A)																				
5001	LV	4,476	3,856	2,898	2,732	2,442	2,688	2,421	2,358	2,470	3,170	3,713	5,574	4,849	3,866	3,082	2,458	3,423	3,857	3,225		
	HV	1,776	2,255	2,861	3,104	3,235	2,675	2,885	3,440	3,591	3,323	2,418	2,343	1,926	1,352	948	665	2,233	2,315	2,467		
	SPD	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	20.5	20.5	20.5	20.5	20.5	26.0	26.0	26	21	26		
	total	6252	6111	5759	5836	5676	5363	5306	5798	6060	6493	6131	7917	6775	5217	4031	3123					
	% HV	28	37	50	53	57	50	54	59	59	51	39	30	28	26	24	21					
	BNL	80	80	80	80	80	79	79	80	80	80	80	81	81	79	78	77					
	% HV	3	4	5	5	6	5	6	6	6	6	5	4	4	3	2	2					
	Gradient	6	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
	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	Average Level over 16 hr				
Facade Noise Levels dB(A)		78.2	79.1	80.0	80.3	80.4	79.7	80.0	80.7	80.9	81.5	80.2	80.2	79.4	77.1	75.6	74.1	75.6				
HKPSG Exceedances		8.2	9.1	10.0	10.3	10.4	9.7	10.0	10.7	10.9	11.5	10.2	10.2	9.4	7.1	5.6	4.1					
16		= number of hours exceeded 70 dB(A)																				
5002	LV	5,519	4,546	3,405	2,955	2,961	2,846	2,841	3,233	2,937	3,447	3,636	5,039	4,710	3,479	2,570	1,898	4,122	3,640	3,395		
	HV	1,267	1,376	1,616	1,926	1,882	1,641	1,611	1,791	2,040	1,852	1,523	1,586	1,522	949	592	369	1,366	1,506	1,481		
	SPD	58.3	58.3	58.3	61.2	61.2	61.2	61.2	61.2	58.7	58.7	58.7	58.7	58.7	61.2	61.2	61.2	58	59	61		
	total	6786	5922	5020	4881	4843	4487	4452	5024	4978	5299	5159	6625	6232	4428	3161	2267					
	% HV	19	23	32	39	39	37	36	41	35	30	24	24	21	19	16						
	BNL	81	80	79	79	79	79	79	79	79	79	79	80	80	79	77	76					
	% HV	2	3	4	5	5	4	4	5	4	4	3	3	3	3	2	2					
	Gradient	3	Gradient	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
	Distance	40	Distance	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7					
	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	Average Level over 16 hr				
Facade Noise Levels dB(A)		78.0	78.0	78.3	79.0	78.9	78.4	78.3	78.8	79.2	78.6	78.1	78.6	78.4	76.7	74.9	73.1	78.1				
HKPSG Exceedances		8.0	8.0	8.3	9.0	8.9	8.4	8.3	8.8	9.2	8.8	8.1	8.6	8.4	6.7	4.9	3.1					
16		= number of hours exceeded 70 dB(A)																				
5003	LV	6,211	5,999	4,352	3,806	3,775	3,742	3,775	3,757	4,121	4,143	5,335	6,835	5,496	4,311	3,382	2,653	5,450	5,224	4,225		
	HV	1,905	2,030	2,433	3,735	3,586	2,890	2,850	2,971	2,836	2,712	2,802	2,431	2,177	1,718	1,356	1,070	1,972	2,651	2,513		
	SPD	71.5	71.5	71.5	72.5	72.5	72.5	72.5	72.5	72.5	69.0	69.0	69.0	69.0	72.5	72.5	72.5	72	69	73		
	total	8116	8029	6785	7541	7361	6632	6625	6728	6957	6954	8137	9066	7673	6029	4738	3723					
	% HV	23	25	36	50	49	44	43	44	41	40	34	27	28	28	29	29					
	BNL	81	81	81	81	81	80	80	80	81	81	81	82	81	80	79	78					
	% HV	4	4	5	6	6	6	6	6	5	5	4	4	4	4	4	4					
	Gradient	3	Gradient	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
	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	Average Level over 16 hr				
Facade Noise Levels dB(A)		81.7	81.8	82.1	83.7	83.5	82.7	82.7	82.8	82.7	82.3	82.6	82.3	81.8	81.0	79.9	78.9	82.2				
HKPSG Exceedances		11.7	11.8	12.1	13.7	13.6	12.7	12.7	12.8	12.7	12.3	12.6	12.3	11.8	11.0	9.9	8.9					
16		= number of hours exceeded 70 dB(A)																				
5005	LV	3,043	3,044	2,088	1,657	1,395	1,490	1,330	1,578	1,574	1,562	2,036	2,803	2,857	2,622	2,407	2,209	2,843	2,081	2,037		
	HV	715	556	585	710	661	568	533	467	561	573	676	550	443	343	265	205	530	642	509		
	SPD	46.5	46.5	46.5	48.5	48.5	48.5	48.5	48.5	47.5	47.5	47.5	47.5	47.5	48.5	48.5	48.5	47	48	49		
	total	3758	3599	2673	2367	2056	2058	1863	2046	2135	2136	2712	3353	3300	2965	2672	2414					
	% HV	19	15	22	30	32	28	29	23	26	27	25</										

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2016CTS-3(815100)MAIN MODEL RUN-V83 SCIII Full Hi/Hi 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	6,810	5,494	4,445	4,580	3,904	3,860	4,296	4,375	4,689	5,469	5,751	7,287	7,595	6,063	4,840	3,864	4,840	5,609	5,187		
	HV	2,573	2,853	3,589	3,857	4,019	3,658	3,764	4,793	4,511	4,071	3,315	3,223	2,622	2,080	1,650	1,309	2,745	3,253	3,311		
	SPD	59.0	59.0	59.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	59	52	62		
	total	9183	8347	8034	8437	7923	7516	8061	9169	9200	9540	9066	10509	10217	8143	6490	5172					
	% HV	28	34	45	46	51	49	47	52	49	43	37	31	26	26	25	25					
	BNL	82	81	81	81	81	81	81	82	82	82	82	82	82	81	80	79					
	% HV	4	4	5	5	6	5	5	6	6	5	4	3	3	3	3	3					
	Gradient	6	Gradient																			
	Distance	50	Distance																			
	Surface	1	Surface																			
5016	LV	1,953	2,348	1,814	1,493	1,430	1,463	1,133	1,398	1,543	1,460	1,873	1,911	1,774	1,372	1,389	1,302	2,143	1,762	1,506		
	HV	1,932	2,208	2,837	3,248	2,987	2,259	2,946	3,180	3,117	3,077	2,423	2,539	1,849	1,332	961	661	2,188	2,437	2,357		
	SPD	51.5	51.5	51.5	49.3	49.3	49.3	49.3	49.3	49.3	46.5	46.5	46.5	46.5	49.3	49.3	49.3	52	47	49		
	total	3885	4556	4651	4741	4417	3722	4078	4578	4661	4537	4296	4451	3623	2705	2351	1963					
	% HV	50	48	61	69	68	61	72	69	67	68	56	57	51	49	41	34					
	BNL	78	79	79	79	79	78	78	79	79	79	79	79	78	77	76	75					
	% HV	5	5	6	6	6	6	6	6	6	5	5	5	5	5	4	4					
	Gradient	0	Gradient																			
	Distance	12	Distance																			
	Surface	1	Surface																			
5018	LV	2,022	1,907	1,559	1,151	954	978	1,037	992	1,022	1,144	1,106	1,710	1,449	1,225	1,036	876	1,704	1,129	1,217		
	HV	1,276	1,113	1,322	1,611	1,498	1,309	1,333	1,478	1,464	1,437	1,123	1,173	852	816	445	321	1,083	1,107	1,163		
	SPD	25.0	25.0	25.0	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	25	23	23		
	total	3298	3021	2881	2762	2452	2287	2369	2470	2486	2581	2230	2883	2302	1841	1481	1197					
	% HV	39	37	48	58	61	57	56	60	59	56	50	41	37	33	30	27					
	BNL	77	77	77	77	76	76	76	76	76	76	76	76	76	75	74	73					
	% HV	4	4	5	6	6	6	6	6	6	6	6	5	4	4	4	3					
	Gradient	0	Gradient																			
	Distance	8	Distance																			
	Surface	1	Surface																			
5019	LV	3,090	3,242	3,199	2,777	2,353	2,809	2,926	2,372	2,850	3,334	3,143	3,577	3,765	3,228	2,768	2,374	3,106	3,132	2,952		
	HV	1,886	1,788	2,549	3,114	3,310	2,910	3,265	3,147	2,942	3,053	2,588	2,484	1,678	1,493	1,328	1,181	1,731	2,464	2,510		
	SPD	29.5	29.5	29.5	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	30	13	20		
	total	4976	5030	5748	5892	5663	5719	6191	5518	5792	6387	5731	6061	5443	4721	4096	3555					
	% HV	38	36	44	53	58	51	53	57	51	48	45	41	31	32	32	33					
	BNL	79	79	80	80	80	80	80	80	80	80	80	80	80	79	78	78					
	% HV	4	4	4	6	7	6	6	7	6	6	6	5	4	4	4	5					
	Gradient	0	Gradient																			
	Distance	5	Distance																			
	Surface	1	Surface																			
5025	LV	6,030	5,977	4,072	3,542	3,166	3,485	3,139	3,057	3,202	4,167	5,148	7,442	6,286	5,012	3,996	3,186	5,306	5,348	4,181		
	HV	3,904	5,107	6,345	6,767	7,052	5,832	6,291	7,501	7,829	7,343	5,832	5,256	4,200	2,947	2,068	1,451	5,057	5,393	5,379		
	SPD	45.5	45.5	45.5	52.0	52.0	52.0	52.0	52.0	52.0	42.5	42.5	42.5	42.5	42.5	52.0	52.0	46	43	52		
	total	9934	11084	10417	10309	10218	9317	9429	10558	11031	11509	10781	12698	10486	7959	6064	4637					
	% HV	39	46	61	66	69	63	67	71	71	64	52	41	40	37	34	31					
	BNL	82	83	82	82	82	82	82	82	83	83	83	83	83	82	81	80	79				
	% HV	4	5	6	6	6	6	6	6	6	5	4	4	4	4	4	3					
	Gradient	6	Gradient																			
	Distance	50	Distance																			
	Surface	1	Surface																			
5204	LV	5,426	5,654	3,898	3,245	3,219	3,190	3,219	3,203	3,514	3,543	4,617	5,694	4,586	3,875	2,883	2,261	5,137	4,521	3,602		
	HV	1,711	1,915	2,217	3,313	3,180	2,584	2,528	2,636	2,516	2,417	2,535	2,178	1,931	1,524	1,203	949	1,860	2,399	2,229		
	SPD	72.0	72.0	72.0	76.0	76.0	76.0	76.0	76.0	76.0	72.0	72.0	72.0	72.0	76.0	76.0	76.0	72	72	76		
	total	7137	7570	6115	6558	6399	5753	5747	5838	6029	5960	7152	7872	6617	5199	4086	3211					
	% HV	24	25	38	51	50	44	44	45	42	41	35	28	29	29	29	30					
	BNL	81	81	80	80	80	80	80	80	80	80	80	81	81	80	79	78	77				
	% HV	4	4	5	6	6	6	6	6	6	5	4	4	4	5	5	5					
	Gradient	6	Gradient																			
	Distance	43	Distance																			
	Surface	1	Surface																			

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2016CTS-3(815100)MAIN MODEL RUN-V83 SCIII Full Hi/Hi Fleet Budget Toll New Bus

Hour Start / 2-way Hourly Traffic Volume (veh./hr) or Speed (km/hr)

2016CTS-3(815100)MAIN MODEL RUN-V83 SCIN Full Rpt Fleet Budget for New DSS																				Model Output			
		Hour Start / 2-way Hourly Traffic Volume (veh./hr) or Speed (km/hr)																		AM	PM	OP	
Stn.		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22						
5206	LV	2,871	2,027	2,596	2,531	1,625	1,531	1,086	953	1,437	1,403	1,959	2,373	2,922	2,156	1,812	1,703	1,834	2,036	1,937			
	HV	1,458	1,378	1,723	1,795	1,377	995	1,354	1,445	1,418	1,348	1,392	2,014	1,558	1,090	1,118	1,186	1,251	1,483	1,429			
	SPD	37.5	37.5	37.5	38.0	36.0	36.0	36.0	36.0	36.0	36.0	39.0	39.0	39.0	36.0	36.0	36.0	38	39	36			
	total	4329	3405	4319	4326	3002	2526	2440	2398	2855	2750	3350	4387	4480	3248	2930	2889						
	% HV	34	40	40	41	46	39	55	60	50	49	42	46	35	34	38	41						
	BNL	79	78	79	79	77	76	76	76	77	77	77	79	79	77	77	77						
	% HV	3	4	4	4	4	4	5	5	5	5	4	4	3	3	4	4						
	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	-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	Average Level over 16 hr					
Facade Noise Levels dB(A)		82.2	81.8	82.8	82.9	81.7	80.4	81.5	81.8	81.8	81.6	81.8	83.4	82.4	80.9	80.9	81.1	81.9					
HKPSG Exceedances		12.2	11.8	12.8	12.9	11.7	10.4	11.5	11.8	11.8	11.6	11.8	13.4	12.4	10.9	10.9	11.1						
		16	= number of hours exceeded 70 dB(A)																				
5207	LV	2,644	2,528	2,566	2,207	1,417	1,335	947	831	1,253	1,212	1,651	2,033	2,548	1,880	1,580	1,485	2,287	1,716	1,689			
	HV	941	929	1,123	1,149	881	637	867	925	908	862	888	1,287	998	698	716	759	843	946	915			
	SPD	30.5	30.5	30.5	30.0	30.0	30.0	30.0	30.0	30.0	28.5	28.5	28.5	28.5	30.0	30.0	30.0	31	29	30			
	total	3585	3456	3689	3356	2298	1972	1814	1756	2161	2075	2539	3321	3545	2578	2296	2244						
	% HV	26	27	30	34	38	32	48	53	42	42	35	39	28	27	31	34						
	BNL	78	78	78	77	76	75	75	75	76	75	76	77	78	76	76	76						
	% HV	2	3	3	3	4	3	5	5	4	4	4	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	-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)		82.1	82.0	82.7	82.8	81.5	80.2	81.3	81.6	81.6	81.5	81.7	83.3	82.4	80.8	80.8	81.0	81.8					
HKPSG Exceedances		12.1	12.0	12.7	12.8	11.5	10.2	11.3	11.6	11.6	11.5	11.7	13.3	12.4	10.8	10.8	11.0						
		16	= number of hours exceeded 70 dB(A)																				
5210	LV	3,128	3,228	2,073	1,562	1,565	1,505	1,502	1,709	1,553	1,889	2,292	2,876	2,490	1,839	1,359	1,003	2,925	2,295	1,795			
	HV	1,435	1,452	1,792	2,224	2,173	1,894	1,860	2,068	2,355	2,149	1,799	1,850	1,757	1,096	683	426	1,442	1,779	1,710			
	SPD	24.0	24.0	24.0	25.5	25.5	25.5	25.5	25.5	24.5	24.5	24.5	24.5	24.5	25.5	25.5	25.5	24	25	26			
	total	4563	4678	3865	3786	3738	3399	3362	3777	3908	4038	4091	4726	4248	2935	2042	1430						
	% HV	31	31	46	59	58	56	55	55	60	53	44	39	41	37	33	30						
	BNL	79	79	78	78	78	78	77	78	78	78	78	78	78	77	75	74						
	% HV	4	4	5	6	6	6	6	6	6	5	4	5	4	4	4	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	-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	Average Level over 16 hr					
Facade Noise Levels dB(A)		83.7	83.8	84.5	85.1	85.0	84.5	84.4	84.8	85.4	85.1	84.4	84.8	84.4	82.3	80.3	78.3	84.1					
HKPSG Exceedances		13.7	13.8	14.5	15.1	15.0	14.5	14.4	14.8	15.4	15.1	14.4	14.6	14.4	12.3	10.3	8.3						
		16	= number of hours exceeded 70 dB(A)																				
5213	LV	2,750	2,560	1,648	1,525	1,284	1,372	1,225	1,453	1,449	1,440	1,887	2,588	2,830	2,414	2,215	2,033	2,223	1,910	1,875			
	HV	678	490	545	685	638	548	514	451	541	534	568	495	428	331	256	198	467	539	491			
	SPD	22.0	22.0	22.0	24.0	24.0	24.0	24.0	24.0	23.5	23.5	23.5	23.5	23.5	24.0	24.0	24.0	22	24	24			
	total	3428	3049	2392	2210	1921	1919	1739	1903	1974	2454	3082	3057	2745	2471	2231							
	% HV	20	16	23	31	33	29	30	24	27	27	23	16	14	12	10	9						
	BNL	78	77	76	76	75	75	75	75	75	75	76	76	77	77	76	76						
	% HV	2	1	3	4	4	3	3	3	3	3	3	1	1	0	0	1						
	Gradient	3	Gradient	1	1	1	1	1	1	1	1	1	1	1	1	1	1						
	Distance	50	Distance	-5	-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	Average Level over 16 hr					
Facade Noise Levels dB(A)		75.7	74.4	74.6	75.1	74.8	74.2	73.9	73.5	74.2	74.2	74.8	74.3	73.8	72.8	71.9	71.0	74.1					
HKPSG Exceedances		5.7	4.4	4.6	5.1	4.8	4.2	3.9	3.5	4.2	4.2	4.6	4.3	3.8	2.8	1.9	1.0						
		16	= number of hours exceeded 70 dB(A)																				
5229	LV	952	710	871	832	534	504	357	313	473	463	653	786	961	709	596	560	642	679	637			
	HV	640	824	819	738	566	409	557	595	583	575	672	894	641	449	460	488	748	716	588			
	SPD	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	28.5	28.5	28.5	28.5	27.5	27.5	27.5	28	29	28			
	total	1593	1534	1690	1571	1101	913	914	908	1058	1038	1325	1680	1602	1158	1056	1048						
	% HV	40	54	48	47	51	45	61	65	55	55	51	53	40	39	44	47						
	BNL	74	74	74	74	73	72	72	72	72	72	73	74	74	73	72	72						
	% HV	4	5	5	5	5	5	6	6	5	5	5	5	4	4	4	5						
	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	-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)		80.1	81.0	81.1	80.6	79.4	78.1	79.3	79.6	79.5	79.4	80.1	81.3	80.0	78.6	78.6	78.8	81.4					
HKPSG Exceedances		10.1	11.0	11.1	10.6	9.4	8.1	9.3	9.6	9.5	9.4	10.1	11.3	10.0	8.6	8.6	8.8						
		16	= number of hours exceeded 70 dB(A)																				
5231	LV	1,232	1,314	1,232	1,002	643	606	430	377	569	590	958	1,055	1,157	854	718	674	1,189	996	767			
	HV	771	822	938	928	712	515	700	747	733	727	861	1,134	806	564	578	613	748	918	739			
	SPD	24.0	24.0	24.0	22.0	22.0	22.0	22.0	22.0	22.0	27.5	27.5	27.5	27.5	22.0	22.0	22.0	24	28	22			
	total	2003	2136	2170	1930	1355	1121	1130	1125	1302	1317	1820	2189	1963	1418	1296	1288						
	% HV	39	38	43	48	53	46	62	66														

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2016CTS-3(815100)MAIN MODEL RUN-V83 SCIII Full Hi/Hi 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
5232	LV	909	1,020	808	531	444	424	436	442	486	504	689	912	1,093	825	622	470	909	720	621
	HV	1,436	1,193	1,516	1,591	1,613	1,400	1,569	1,697	1,794	1,615	1,417	1,442	1,408	911	589	381	1,219	1,400	1,359
	SPD	27.5	27.5	27.5	26.0	26.0	26.0	26.0	26.0	27.5	27.5	27.5	27.5	27.5	26.0	26.0	26.0	28	28	26
	total	2345	2213	2324	2122	2057	1624	2005	2138	2280	2119	2105	2354	2501	1735	1211	850			
	% HV	61	54	65	75	78	77	78	79	79	76	67	61	56	52	49	45			
	BNL	76	76	76	75	75	75	75	76	76	75	75	76	76	75	73	71			
	% HV	6	5	6	7	7	7	7	7	7	7	5	6	5	5	5	5			
	Gradient	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
	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			
5233	LV	1,800	1,542	1,511	1,509	1,445	1,479	1,145	1,413	1,560	1,419	1,567	1,778	1,793	1,387	1,404	1,316	1,407	1,474	1,522
	HV	292	301	417	504	454	351	457	494	484	479	379	396	287	207	149	103	298	381	366
	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	11	9
	total	2092	1842	1928	2013	1909	1829	1602	1907	2044	1898	1946	2173	2080	1594	1553	1418			
	% HV	14	16	22	25	24	19	29	26	24	25	19	18	14	13	10	7			
	BNL	75	75	75	75	75	75	74	75	75	75	75	76	75	74	74	74			
	% HV	1	2	3	3	3	2	4	4	3	4	3	2	1	1	0	1			
	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			
5238	LV	659	653	576	533	511	523	405	499	551	555	863	775	634	490	496	465	596	812	538
	HV	245	263	353	418	384	290	379	409	401	408	357	349	238	171	124	85	261	360	303
	SPD	26.8	26.8	26.8	25.5	25.5	25.5	25.5	25.5	23.5	23.5	23.5	23.5	23.5	25.5	25.5	25.5	27	24	26
	total	903	916	929	951	895	813	783	908	952	964	1221	1123	871	662	620	550			
	% HV	27	29	38	44	43	36	48	45	42	42	29	31	27	26	20	15			
	BNL	72	72	72	72	72	71	71	72	72	72	73	73	72	70	70	70			
	% HV	3	3	4	5	5	4	5	5	5	5	3	4	3	3	2	1			
	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			
5252	LV	2,589	2,843	2,719	2,296	1,953	2,322	2,419	1,960	2,365	2,851	3,014	3,171	3,112	2,668	2,288	1,962	2,724	3,004	2,440
	HV	1,617	1,682	2,238	2,620	2,785	2,448	2,748	2,647	2,475	2,592	2,274	2,130	1,412	1,256	1,117	994	1,629	2,165	2,112
	SPD	50.0	50.0	50.0	46.0	46.0	46.0	46.0	46.0	46.0	39.8	39.8	39.8	39.8	46.0	46.0	46.0	50	40	46
	total	4206	4525	4957	4916	4738	4770	5165	4607	4831	5443	5288	5301	4523	3924	3405	2956			
	% HV	38	37	45	53	59	51	53	57	51	48	43	40	31	32	33	34			
	BNL	78	79	79	79	79	79	79	79	79	80	79	79	79	78	78	77			
	% HV	4	4	5	5	5	5	5	5	5	4	4	3	3	3	3	3			
	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			
5255	LV	2,613	2,652	1,682	1,532	1,392	1,323	1,473	1,605	1,743	1,722	2,072	2,540	2,267	2,015	1,791	1,592	2,253	2,082	1,794
	HV	343	491	505	521	487	436	494	518	492	498	483	437	367	274	205	153	473	479	403
	SPD	34.5	34.5	34.5	35.0	35.0	35.0	35.0	35.0	35.0	33.5	33.5	33.5	33.5	35.0	35.0	35.0	35	34	35
	total	2956	3143	2187	2052	1878	1759	1967	2123	2235	2219	2555	2977	2634	2289	1996	1745			
	% HV	12	16	23	25	26	25	25	24	22	22	19	15	14	12	10	9			
	BNL	77	77	76	75	75	75	75	76	76	76	76	76	76	75	75	75			
	% HV	0	1	2	2	2	2	2	2	2	2	1	0	0	0	1	1			
	Gradient	9	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3			
	Distance	25	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3			
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
5258	LV	1,138	845	1,040	996	639	602	427	375	565	545	738	912	1,149	848	713	670	765	765	762
	HV	674	870	864	777	596	431	586	626	614	604	697	934	875	472	484	514	790	743	619
	SPD	26.0	26.0	26.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.8	27.8	27.8	27.0	27.0	27.0	26	28	27
	total	1813	1715	1904	1773	1236	1033	1014	1001	1179	1149	1433	1846	1824	1321	1197	1184			
	% HV	37	51	45	44	48	42	58	63	52	53	49	51	37	36	40	43			
	BNL	75	75	75	75	73	72	72	72	73	73	74	75	75	73	73	73			
	% HV	4	5	5	5	5	4	6	6	5	5	5	5	4	4	4	5			
	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			

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2016CTS-3(815100)MAIN MODEL RUN-V83 SCIII Full Hi/Hi Fleet Budget Toll New Bus

		Hour Start / 2-way Hourly Traffic Volume (veh./hr) 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	5,251	5,297	3,731	3,174	3,148	3,120	3,148	3,133	3,436	3,425	4,276	5,437	4,583	3,595	2,820	2,212	4,812	4,187	3,523
	HV	1,930	2,087	2,478	3,771	3,620	2,918	2,877	3,000	2,863	2,731	2,800	2,442	2,198	1,734	1,369	1,080	2,027	2,549	2,537
	SPD	65.0	65.0	65.0	69.5	69.5	69.5	69.5	69.5	69.5	68.5	68.5	66.5	66.5	66.5	69.5	69.5	65	67	70
	total	7181	7384	6207	6944	6768	6038	6025	6132	6300	6157	7076	7879	6781	5329	4189	3292			
	% HV	27	28	40	54	53	48	48	49	45	44	40	31	32	33	33	33			
	BNL	81	81	80	81	81	80	80	80	80	80	81	81	81	79	78	77			
	% HV	4	4	5	6	6	6	6	6	6	5	5	4	4	5	5	5			
	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			
5270	LV	9,427	9,591	6,718	5,682	5,637	5,586	5,637	5,609	8,153	6,178	7,920	9,981	8,206	6,437	5,049	3,960	8,713	7,755	6,308
	HV	2,988	3,251	3,839	5,828	5,595	4,509	4,447	4,636	4,425	4,239	4,405	3,807	3,397	2,681	2,116	1,670	3,157	4,168	3,921
	SPD	52.0	52.0	52.0	68.5	68.5	68.5	68.5	68.5	68.5	68.5	61.0	61.0	61.0	61.0	68.5	68.5	52	61	69
	total	12,415	12,841	10,557	11,510	11,231	10,096	10,084	10,245	10,578	10,417	12,325	13,688	11,602	9,117	7,164	5,630			
	% HV	24	25	36	51	50	45	44	45	42	41	36	28	29	29	30	30			
	BNL	83	83	82	83	83	82	82	82	82	82	83	84	83	82	81	80			
	% HV	3	3	4	6	6	6	6	6	5	5	4	4	4	4	4	4			
	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			
5279	LV	5,025	4,045	3,247	2,880	2,424	2,590	2,313	2,743	2,737	2,786	3,973	5,137	4,987	4,558	4,184	3,840	3,513	4,022	3,541
	HV	2,074	1,096	1,552	2,213	2,060	1,769	1,661	1,457	1,748	1,653	1,569	1,484	1,381	1,069	827	640	1,046	1,490	1,586
	SPD	64.0	64.0	64.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	48.0	48.0	48.0	48.0	53.0	53.0	64	48	53
	total	7,100	5,142	4,799	5,093	4,485	4,359	3,973	4,200	4,485	4,449	5,542	6,621	6,368	5,627	5,011	4,480			
	% HV	29	21	32	43	46	41	42	35	39	37	28	22	22	19	17	14			
	BNL	81	79	79	79	79	79	78	78	79	79	80	80	80	80	79	79			
	% HV	4	3	4	5	5	4	4	4	4	4	3	2	2	2	2	2			
	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			
5404	LV	4,284	4,069	2,855	2,548	2,277	2,507	2,258	2,199	2,304	3,036	3,926	5,498	4,522	3,606	2,875	2,292	3,612	4,078	3,008
	HV	1,872	2,228	2,959	3,326	3,467	2,867	3,092	3,687	3,848	3,540	2,509	2,478	2,064	1,448	1,016	713	2,204	2,402	2,644
	SPD	25.0	25.0	25.0	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	25	16	21
	total	6,156	6,295	5,813	5,875	5,744	5,374	5,350	5,886	6,152	6,575	6,434	7,975	6,587	5,054	3,891	3,005			
	% HV	30	35	51	57	60	53	58	63	63	54	39	31	31	29	26	24			
	BNL	80	80	80	80	80	80	79	80	80	80	80	81	80	79	78	77			
	% HV	3	4	5	6	7	6	7	7	7	6	5	4	4	4	3	3			
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	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			
5405	LV	4,110	4,518	3,675	3,537	3,428	3,317	3,281	3,584	3,783	3,533	4,113	4,743	4,630	4,173	3,781	3,389	4,216	4,078	3,773
	HV	1,455	1,375	1,795	2,036	1,985	1,893	1,905	1,966	1,976	1,900	1,657	1,463	1,329	1,090	895	734	1,405	1,604	1,615
	SPD	45.0	45.0	45.0	47.5	47.5	47.5	47.5	47.5	47.5	45.5	45.5	45.5	45.5	45.5	47.5	47.5	45	46	48
	total	5,565	5,893	5,470	5,573	5,413	5,209	5,187	5,551	5,759	5,532	5,770	6,206	5,959	5,264	4,876	4,123			
	% HV	26	23	33	37	37	36	37	35	34	34	29	24	22	21	19	18			
	BNL	80	80	80	80	80	79	79	80	80	80	80	80	80	79	79	78			
	% HV	3	2	3	4	4	4	4	4	4	3	3	2	2	2	2	2			
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	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			
5406	LV	5,442	5,786	5,401	5,002	3,972	4,058	3,794	4,530	4,608	5,187	8,179	6,799	5,870	5,098	4,427	3,845	5,417	6,103	4,787
	HV	2,816	2,869	3,950	4,864	4,626	4,799	4,419	5,029	4,968	4,619	3,538	3,041	2,347	1,795	1,373	1,050	2,906	3,380	3,608
	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			
	total	8,257	8,654	9,350	9,866	8,597	8,857	8,213	9,559	9,574	9,806	9,717	9,840	8,217	6,893	5,801	4,895			
	% HV	34	33	42	49	54	54	54	53	52	47	36	31	29	26	24	21			
	BNL	81	82	82	82	82	82	81	82	82	82	82	82	81	81	80	79			
	% HV	5	5	6	6	6	6	6	6	6	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	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			

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2016CTS-3(815100)MAIN MODEL RUN-VB3 SCIII Full Hi/Hi Fleet Budget Toll New Bus

2016CTS-3(815100)/MAIN MODEL RUN-V83 SCIII Full Hi/Hi Fleet Budget 1011 New Bus																				Model Output		
		Hour Start / 2-way Hourly Traffic Volume (veh.) or Speed (km/hr)																		AM	PM	OP
Stn.		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22					
5407	LV	1,054	1,645	1,197	840	667	682	637	761	774	841	885	1,061	986	856	744	646	1,540	874	804		
	HV	431	472	617	731	695	721	664	755	746	699	548	463	353	270	206	158	478	524	542		
	SPD	22.0	22.0	22.0	33.0	33.0	33.0	33.0	33.0	33.0	32.0	32.0	32.0	32.0	33.0	33.0	33.0	22	32	33		
	total	1485	2117	1814	1571	1362	1403	1301	1516	1520	1540	1433	1524	1338	1126	950	804					
	% HV	29	22	34	47	51	51	51	50	49	45	38	30	26	24	22	20					
	BNL	74	75	75	74	74	74	73	74	74	74	74	74	73	73	72	71					
	% HV	4	3	4	4	5	5	5	5	5	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	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					
5409	LV	1,714	1,729	1,852	1,995	1,676	1,714	1,389	1,567	1,745	1,808	1,781	2,068	1,893	1,354	1,461	1,534	1,560	1,807	1,711		
	HV	925	1,321	1,452	1,656	1,668	1,431	1,417	1,565	1,519	1,652	1,291	1,400	1,090	849	723	648	1,235	1,283	1,296		
	SPD	31.0	31.0	31.0	30.5	30.5	30.5	30.5	30.5	30.5	32.0	32.0	32.0	32.0	30.5	30.5	30.5	31	32	31		
	total	2639	3050	3304	3652	3343	3144	2806	3132	3264	3460	3071	3468	2983	2203	2184	2182					
	% HV	35	43	44	45	50	46	50	50	47	48	42	40	37	39	33	30					
	BNL	76	77	77	78	77	77	77	77	77	78	77	78	77	76	76	76					
	% HV	3	4	4	4	5	4	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	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					
5410	LV	1,979	2,345	2,233	2,220	1,865	1,907	1,546	1,744	1,942	2,014	1,990	2,307	2,107	1,507	1,626	1,707	2,115	2,020	1,904		
	HV	1,074	1,661	1,728	1,881	1,894	1,825	1,609	1,778	1,726	1,897	1,545	1,628	1,238	964	821	736	1,553	1,536	1,472		
	SPD	28.5	28.5	28.5	28.0	28.0	28.0	28.0	28.0	28.0	28.0	26.5	26.5	26.5	26.5	28.0	28.0	29	27	28		
	total	3052	4006	3961	4102	3759	3532	3155	3521	3667	3911	3536	3934	3345	2471	2447	2443					
	% HV	35	41	44	46	50	46	51	50	47	49	44	41	37	39	34	30					
	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	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	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					
5411	LV	3,245	3,328	2,933	2,752	1,917	2,178	1,939	1,905	2,436	2,251	2,549	3,891	3,428	2,290	1,529	1,022	2,759	2,584	2,420		
	HV	813	866	1,291	1,779	1,533	1,379	1,310	1,422	1,407	1,347	1,163	1,019	860	535	333	207	829	1,102	1,110		
	SPD	27.8	27.8	27.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.3	29.3	29.3	29.8	29.8	29.8	28	29	30		
	total	4058	4194	4224	4532	3450	3567	3249	3327	3843	3598	3702	4910	4289	2825	1862	1228					
	% HV	20	21	31	39	44	39	40	43	37	37	31	21	20	19	18	17					
	BNL	78	78	78	79	78	78	77	77	78	78	78	79	79	77	75	73					
	% HV	2	2	3	4	4	4	4	4	4	4	3	2	2	1	1	1					
	Gradient	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3					
	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					
5418	LV	1,101	1,082	751	602	507	541	483	573	572	575	788	1,048	1,038	953	874	802	940	798	740		
	HV	401	304	326	400	373	320	301	284	316	316	350	297	250	193	150	116	290	332	287		
	SPD	27.5	27.5	27.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.0	29.0	29.0	29.5	29.5	29.5	28	29	30		
	total	1501	1386	1077	1002	879	861	784	837	888	891	1138	1345	1288	1146	1024	918					
	% HV	27	22	30	40	42	37	38	31	36	35	31	22	19	17	15	13					
	BNL	74	74	73	72	72	72	71	71	72	72	73	73	73	73	72	72					
	% HV	3	2	3	4	4	4	4	3	4	4	3	2	1	1	1	0					
	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					
5419	LV	2,877	4,041	2,810	2,247	2,178	2,107	2,085	2,277	2,404	2,423	3,193	3,325	2,942	2,651	2,389	2,153	3,771	3,166	2,397		
	HV	1,496	1,506	1,880	2,059	2,008	1,914	1,927	1,988	1,998	1,943	1,758	1,514	1,344	1,103	905	742	1,538	1,702	1,633		
	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	4373	5547	4690	4306	4185	4021	4011	4265	4401	4366	4951	4839	4286	3754	3294	2896					
	% HV	34	27	40	48	48	48	48	47	45	45	36	31	31	29	27	26					
	BNL	79	80	79	79	78	78	78	78	79	79	79	79	79	78	77	77					
	% HV	5	4	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	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-V83 SCIII Full Hi/Hi 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					
5421	LV	793	454	445	459	460	442	441	502	456	562	714	868	731	540	399	295	412	715	527					
	HV	141	158	181	212	207	181	177	197	225	223	242	209	168	104	65	41	157	239	153					
	SPD	47.0	47.0	47.0	46.5	46.5	46.5	46.5	46.5	44.0	44.0	44.0	44.0	44.0	46.5	46.5	46.5	47	44	47					
	total	934	612	626	671	667	622	618	699	680	785	956	1077	899	644	464	335								
	% HV	15	26	29	32	31	29	29	28	33	28	25	19	16	14	12									
	BNL	72	70	70	70	70	70	70	71	71	71	72	73	72	70	69	67								
	% HV	1	3	3	3	3	3	3	3	3	3	2	2	1	1	1	0								
	Gradient	3	Gradient																						
	Distance	12	Distance																						
	Surface	1	Surface																						
5463	Angle	160	angle																						
	Facade Noise Levels dB(A)	74.2	74.0	74.4	75.0	74.9	74.4	74.3	74.8	75.2	75.2	75.7	75.4	74.5	72.8	71.0	69.2	74.3							
	HKPSG Exceedances	4.2	4.0	4.4	5.0	4.9	4.4	4.3	4.8	5.2	5.2	5.7	5.4	4.5	2.8	1.0	0.8								
		15	= number of hours exceeded 70 dB(A)																						
	LV	776	1,113	1,050	890	812	724	884	1,013	902	1,013	916	988	1,013	889	639	561	1,051	922	841					
	HV	526	459	529	750	744	680	592	697	790	673	585	636	437	285	159	168	436	563	557					
	SPD	44.0	44.0	44.0	46.0	46.0	46.0	46.0	43.5	43.5	43.5	43.5	43.5	43.5	46.0	46.0	46.0	44	44	46					
	total	1302	1572	1579	1641	1556	1404	1457	1711	1692	1686	1501	1624	1450	974	798	729								
	% HV	40	29	33	46	48	48	41	41	47	40	39	39	30	29	20	23								
	BNL	73	74	74	74	74	74	74	75	74	74	74	74	74	72	71	71								
	% HV	4	3	3	5	5	5	4	4	5	4	4	4	3	3	2	2								
5467	Gradient	3	Gradient																						
	Distance	20	Distance																						
	Surface	1	Surface																						
	Angle	160	angle																						
	Facade Noise Levels dB(A)	76.8	76.5	77.0	78.3	78.3	77.9	77.4	78.1	78.5	77.9	77.3	77.7	76.3	74.5	72.5	72.5	77.0							
	HKPSG Exceedances	6.8	6.5	7.0	8.3	8.3	7.9	7.4	8.1	8.5	7.9	7.3	7.7	6.3	4.5	2.5	2.5								
		16	= number of hours exceeded 70 dB(A)																						
	LV	2,252	1,980	1,489	1,266	1,066	1,138	1,016	1,206	1,203	1,205	1,628	2,184	2,183	2,003	1,839	1,688	1,719	1,648	1,566					
	HV	530	410	434	527	491	422	396	347	417	415	454	388	329	255	197	153	391	431	378					
	SPD	38.3	38.3	38.3	40.0	40.0	40.0	40.0	40.0	39.2	39.2	39.2	39.2	39.2	40.0	40.0	40.0	38	39	40					
	total	2782	2390	1923	1793	1557	1560	1412	1553	1619	1620	2079	2572	2512	2256	2036	1840								
	% HV	19	17	23	29	32	27	26	22	26	26	22	15	13	11	10	8								
	BNL	77	76	75	75	74	74	74	74	74	74	75	76	76	76	75	75								
	% HV	1	1	2	3	3	2	3	2	2	2	2	1	0	0	0	-1								
5480	Gradient	6	Gradient																						
	Distance	50	Distance																						
	Surface	1	Surface																						
	Angle	160	angle																						
	Facade Noise Levels dB(A)	74.8	73.8	73.7	74.3	74.0	73.4	73.1	72.8	73.4	73.4	74.0	73.8	73.3	72.4	71.6	70.8	73.4							
	HKPSG Exceedances	4.8	3.6	3.7	4.3	4.0	3.4	3.1	2.8	3.4	3.4	4.0	3.8	3.3	2.4	1.6	0.8								
		16	= number of hours exceeded 70 dB(A)																						
	LV	2,421	2,345	2,447	2,225	1,893	2,250	2,344	1,900	2,283	2,743	2,833	3,028	3,016	2,586	2,218	1,902	2,247	2,823	2,365					
	HV	1,813	1,953	2,532	2,915	3,098	2,724	3,055	2,945	2,754	2,794	2,163	2,215	1,570	1,397	1,243	1,106	1,891	2,060	2,349					
	SPD	55.5	55.5	55.5	42.0	42.0	42.0	42.0	42.0	42.0	42.5	42.5	42.5	42.5	42.0	42.0	42.0	56	43	42					
	total	4234	4298	4979	5140	4991	4974	5400	4845	5037	5537	4996	5243	4587	3983	3461	3007								
	% HV	43	45	51	57	62	55	57	61	55	50	43	42	34	35	36	37								
	BNL	78	79	79	79	79	79	80	79	79	80	79	79	79	78	78	77								
	% HV	5	5	5	5	6	5	5	5	5	5	4	4	3	3	4	4								
5496	Gradient	0	Gradient																						
	Distance	30	Distance																						
	Surface	1	Surface																						
	Angle	160	angle																						
	Facade Noise Levels dB(A)	80.2	80.5	81.5	81.5	81.8	81.3	81.7	81.5	81.3	81.4	80.4	80.6	79.2	78.7	78.2	77.6	80.6							
	HKPSG Exceedances	10.2	10.5	11.5	11.5	11.8	11.3	11.7	11.5	11.3	11.4	10.4	10.6	9.2	8.7	8.2	7.6								
		16	= number of hours exceeded 70 dB(A)																						
	LV	98	81	82	83	80	82	63	78	86	77	78	94	99	77	77	73	74	73	84					
	HV	1,337	1,536	1,967	2,246	2,066	1,562	2,037	2,199	2,156	2,108	1,604	1,722	1,278	921	665	457	1,522	1,614	1,630					
	SPD	63.0	63.0	63.0	61.0	61.0	61.0	61.0	61.0	61.0	61.5	61.5	61.5	61.5	61.0	61.0	61.0	63	62	61					
	total	1436	1617	2049	2330	2146	1643	2100	2277	2242	2185	1682	1818	1377	998	742	530								
	% HV	93	95	96	96	96	95	97	97	96	96	95	95	93	92	90	85								
	BNL	74	74	75	76	76	74	75	76	76	74	75	74	75	74	72	71								
	% HV	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8								
5605	Gradient	0	Gradient																						
	Distance	30	Distance																						
	Surface	1	Surface																						
	Angle	160	angle																						
	Facade Noise Levels dB(A)	78.7	79.3	80.4	80.9	80.5	79.3	80.4	80.8	80.7	80.6	79.4	79.7	78.5	77.0	75.6	74.0	79.5							
	HKPSG Exceedances	8.7	9.3	10.4	10.9	10.5	9.3	10.4	10.8	10.7	10.6	9.4	9.7	8.5	7.0	5.6	4.0								
		18	= number of hours exceeded 70 dB(A)																						
	LV	4,702	3,605	2,841	2,563	2,568	2,469	2,484	2,804	2,546	2,969	3,041	4,307	4,086	3,018	2,229	1,646	3,269	3,045	2,945					
	HV	1,214	1,247	1,522	1,874	1,831	1,596	1,567	1,742	1,985	1,814	1,526	1,563	1,481	923	576	359	1,238	1,509	1,441					
	SPD	41.5	41.5	41.5	44.0	44.0	44.0	44.0	44.0	44.0	42.0	42.0	42.0	42.0	44.0	44.0	44.0	42	42	44					
	total	5916	4852	4364	4437	4399	4065	4032	4547	4533	4783	4567	5870	5567	3941	2805	2005								
	% HV	21	26	35	42	42	39	39	38	44	38	33	27	27	23	21	18								
	BNL	80	79	79	79	79	78	78	79	79	79	79	80	80	78	77	75								
	% HV	2	2	3	4	4	4	4	4	4	4	3	3	2	2	2	1								
5605	Gradient	3	Gradient																						
	Distance	80	Distance																						
	Surface	1	Surface																						
	Angle	160	angle																						
	Facade Noise Levels dB(A)	76.7	76.6	77.2	78.0	77.9	77.3	77.3	77.7	78.2	77.9	77.2	77.6	77.3	75.5	73.8	71.7	77.0							
	HKPSG Exceedances	6.7	6.6	7.2	8.0	7.9	7.3	7.3	7.7	8.2	7.9	7.2	7.6	7.3	5.5	3.6	1.7								
		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-V83 SCIII Full Hi/Hi Fleet Budget Toll New Bus

2016CTS-3(815100)MAIN MODEL RUN-V83 SCIII Full Hi/Hi Fleet Budget Toll New Bus																		Model Output			
Hour Start / 2-way Hourly Traffic Volume (veh.) or Speed (km/hr)																		AM	PM	OP	
Stn.		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22				
5606	LV	3,970	2,770	2,338	2,212	2,218	2,130	2,126	2,420	2,199	2,570	2,666	3,740	3,525	2,604	1,923	1,420	2,512	2,669	2,541	
	HV	953	1,001	1,203	1,462	1,428	1,245	1,223	1,359	1,548	1,420	1,211	1,229	1,155	720	449	280	994	1,198	1,124	
	SPD	79.5	79.5	79.5	78.0	78.0	78.0	78.0	78.0	78.0	77.0	77.0	77.0	77.0	77.0	78.0	78.0	80	77	78	
	total	4923	3771	3541	3673	3644	3375	3349	3779	3747	3990	3877	4969	4680	3324	2372	1701				
	% HV	19	27	34	40	39	37	37	36	41	36	31	25	25	22	19	16				
	BNL	79	78	78	78	78	77	77	77	78	78	78	78	79	79	77	76	75			
	% HV	4	5	5	6	6	6	6	6	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	60	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7			
	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	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	-0.5	77.3			
Facade Noise Levels dB(A)		77.3	77.0	77.4	77.9	77.9	77.3	77.3	77.8	78.2	77.9	77.4	77.8	77.5	75.8	74.0	72.2				
HKPSG Exceedances		7.3	7.0	7.4	7.9	7.9	7.3	7.3	7.8	8.2	7.9	7.4	7.8	7.5	6.8	4.0	2.2				
		16 = number of hours exceeded 70 dB(A)																			
5607	LV	4,999	5,614	4,502	4,271	4,139	4,005	3,962	4,328	4,569	4,552	4,793	5,634	5,591	5,039	4,541	4,093	5,239	4,752	4,556	
	HV	1,747	1,730	2,184	2,414	2,354	2,244	2,259	2,332	2,343	2,259	1,989	1,745	1,578	1,293	1,061	870	1,767	1,926	1,915	
	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	17	18	
	total	6746	7344	6687	6685	6493	6249	6222	6660	6911	6811	6782	7379	7167	6332	5602	4963				
	% HV	26	24	33	36	36	36	36	34	34	34	29	24	22	20	19	18				
	BNL	80	81	80	80	80	80	80	80	81	80	81	81	81	80	80	79				
	% HV	4	3	4	5	5	5	5	5	5	5	4	4	4	3	3	3				
	Gradient	9	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3				
	Distance	25	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3			
	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	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	-0.5	84.5			
Facade Noise Levels dB(A)		84.5	84.6	85.4	85.8	85.7	85.5	85.5	85.6	85.7	85.5	85.0	84.6	84.2	83.4	82.6	81.8				
HKPSG Exceedances		14.5	14.6	15.4	15.8	15.7	15.5	15.5	15.6	15.7	15.5	15.0	14.6	14.2	13.4	12.6	11.8				
		16 = number of hours exceeded 70 dB(A)																			
5609	LV	3,355	4,000	3,793	3,760	3,157	3,229	2,617	2,952	3,288	3,395	3,308	3,872	3,567	2,552	2,754	2,890	3,608	3,357	3,224	
	HV	1,783	2,340	2,733	3,264	3,286	2,820	2,792	3,084	2,994	3,270	2,800	2,785	2,148	1,673	1,424	1,278	2,187	2,584	2,554	
	SPD	32.0	32.0	32.0	31.5	31.5	31.5	31.5	31.5	31.5	31.0	31.0	31.0	31.0	31.0	31.5	31.5	32	31	32	
	total	5139	6339	6526	7024	6443	6049	5409	6036	6282	6665	5908	6557	5715	4225	4178	4168				
	% HV	35	37	42	46	51	47	52	51	48	49	44	42	38	40	34	31				
	BNL	79	80	80	81	80	80	80	80	80	80	80	80	80	78	78	78				
	% HV	3	4	4	4	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	-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	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	-0.5	84.5			
Facade Noise Levels dB(A)		83.1	84.2	84.6	85.6	85.5	84.9	84.8	85.3	85.2	85.6	84.6	84.9	83.9	82.7	82.1	81.7				
HKPSG Exceedances		13.1	14.2	14.8	15.6	15.5	14.9	14.8	15.3	15.2	15.6	14.6	14.9	13.9	12.7	12.1	11.7				
		16 = number of hours exceeded 70 dB(A)																			
5610	LV	1,979	2,345	2,233	2,220	1,865	1,907	1,548	1,744	1,942	2,014	1,990	2,307	2,107	1,507	1,626	1,707	2,115	2,020	1,904	
	HV	1,074	1,661	1,728	1,881	1,894	1,625	1,509	1,778	1,726	1,897	1,545	1,628	1,238	964	821	736	1,553	1,536	1,472	
	SPD	28.5	28.5	28.5	28.0	28.0	28.0	28.0	28.0	28.0	28.5	28.5	28.5	28.5	28.0	28.0	28.0	29	27	28	
	total	3052	4006	3961	4102	3759	3532	3155	3521	3667	3911	3536	3934	3345	2471	2447	2443				
	% HV	35	41	44	46	50	46	51	50	47	49	44	41	37	39	34	30				
	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	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	-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	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	-0.5	82.4			
Facade Noise Levels dB(A)		81.0	82.8	83.0	83.4	83.4	82.7	82.6	83.1	83.0	83.5	82.7	82.9	81.8	80.5	79.9	79.5				
HKPSG Exceedances		11.0	12.8	13.0	13.4	13.4	12.7	12.6	13.1	13.0	13.5	12.7	12.9	11.6	10.5	9.9	9.5				
		16 = number of hours exceeded 70 dB(A)																			
5612	LV	2,421	2,345	2,447	2,225	1,893	2,250	2,344	1,900	2,283	2,743	2,833	3,028	3,016	2,586	2,218	1,902	2,247	2,823	2,365	
	HV	1,813	1,953	2,532	2,915	3,098	2,724	3,055	2,945	2,754	2,794	2,163	2,215	1,570	1,397	1,243	1,106	1,891	2,060	2,349	
	SPD	65.5	55.5	55.5	42.0	42.0	42.0	42.0	42.0	42.0	42.5	42.5	42.5	42.5	42.0	42.0	42.0	56	43	42	
	total	4234	4298	4979	5140	4991	4974	5400	4845	5037	5537	4996	5243	4587	3983	3461	3007				
	% HV	43	45	51	57	62	55	57	61	55	50	43	42	34	35	36	37				
	BNL	78	79	79	79	79	79	80	79	79	80	79	79	79	76	76	77				
	% HV	5	5	5	5	6	5	5	5	5	5	4	4	3	3	4	4				
	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	-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	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	-0.5	84.0			
Facade Noise Levels dB(A)		83.6	83.8	84.9	84.9	85.1	84.6	85.1	84.9	84.7	84.8	83.8	83.9	82.6	82.0	81.5	81.0				
HKPSG Exceedances		13.6	13.8	14.9	14.9	15.1	14.6	15.1	14.9	14.7	14.6	13.8	13.9	12.6	12.0	11.5	11.0				
		16 = number of hours exceeded 70 dB(A)																			
5820	LV	2,487	3,149	2,515	2,073	1,417	1,482	1,806	2,235</												

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2016CTS-3(815100)MAIN MODEL RUN-V83 SCIII Full Hi/Hi Fleet Budget Toll New Bus

2016CTS-3(815100)MAIN MODEL RUN-V83 SCIII Full Hi/Hi Fleet Budget Toll New Bus																		Model Output			
Hour Start / 2-way Hourly Traffic Volume (veh.) or Speed (km/hr)																		AM	PM	OP	
Stn.		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22				
5656	LV	3,780	3,949	2,717	2,258	2,240	2,220	2,240	2,229	2,445	2,435	3,024	3,859	3,261	2,558	2,006	1,574	3,588	2,962	2,507	
	HV	1,888	2,125	2,450	3,650	3,504	2,825	2,785	2,904	2,772	2,636	2,679	2,351	2,128	1,679	1,325	1,046	2,064	2,535	2,456	
	SPD	70.0	70.0	70.0	72.8	72.8	72.8	72.8	72.8	72.8	70.8	70.8	70.8	70.8	72.8	72.8	72.8	70	71	73	
	total	5668	6075	5168	5908	5744	5044	5025	5133	5217	5071	5703	6209	5388	4237	3331	2619				
	% HV	33	35	47	62	61	56	55	57	53	52	47	38	39	40	40	40				
	BNL	80	80	79	80	80	79	79	79	79	79	80	80	80	78	77	76				
	% HV	5	5	6	7	7	7	7	7	6	6	6	5	5	5	5	5				
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	Distance	43	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5			
	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	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	-0.5	80.9			
Facade Noise Levels dB(A)		80.1	80.6	80.8	82.5	82.3	81.5	81.4	81.6	81.4	81.1	81.3	81.0	80.5	79.6	78.5	77.5				
HKPSG Exceedances		10.1	10.6	10.8	12.5	12.3	11.5	11.4	11.6	11.4	11.1	11.3	11.0	10.5	9.6	8.5	7.5				
16 = number of hours exceeded 70 dB(A)																					
5673	LV	5,426	5,654	3,898	3,245	3,219	3,190	3,219	3,203	3,514	3,543	4,617	5,694	4,686	3,675	2,883	2,261	5,137	4,521	3,602	
	HV	1,711	1,915	2,217	3,313	3,180	2,564	2,528	2,636	2,516	2,417	2,535	2,178	1,931	1,524	1,203	949	1,850	2,399	2,229	
	SPD	72.0	72.0	72.0	76.0	76.0	76.0	76.0	76.0	76.0	72.0	72.0	72.0	72.0	76.0	76.0	76.0	72	72	76	
	total	7137	7570	6115	6558	6399	5753	5747	5838	6029	5960	7152	7872	6617	5199	4086	3211				
	% HV	24	25	36	51	50	45	44	45	42	41	35	28	29	29	29	30				
	BNL	81	81	80	80	80	80	80	80	80	80	81	81	80	79	78	77				
	% HV	4	4	5	6	6	6	6	6	6	6	5	4	4	5	5	5				
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	Distance	30	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4			
	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	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	-0.5	82.4			
Facade Noise Levels dB(A)		81.7	82.1	82.3	83.9	83.7	82.9	82.9	83.0	82.9	82.5	82.9	82.5	81.9	81.2	80.2	79.1	82.4			
HKPSG Exceedances		11.7	12.1	12.3	13.9	13.7	12.9	12.9	13.0	12.9	12.5	12.9	12.5	11.9	11.2	10.2	9.1				
16 = number of hours exceeded 70 dB(A)																					
5679	LV	1,825	1,597	1,452	1,140	929	854	845	1,051	963	979	969	1,444	1,476	1,155	903	707	1,386	964	1,134	
	HV	350	334	375	364	387	329	405	470	439	426	327	332	271	208	180	123	322	321	334	
	SPD	32.5	32.5	32.5	33.5	33.5	33.5	33.5	33.5	35.0	35.0	35.0	35.0	35.0	35.0	33.5	33.5	33	35	34	
	total	2175	1932	1826	1504	1316	1183	1250	1402	1405	1296	1296	1776	1747	1383	1063	829				
	% HV	16	17	21	24	29	28	32	31	31	30	25	19	16	15	15	15				
	BNL	76	75	75	74	73	73	73	74	74	74	73	75	75	74	72	71				
	% HV	1	1	2	2	3	3	3	3	3	3	2	1	1	1	1	0				
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	Distance	30	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4			
	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	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	-0.5	68.9 72.8			
Facade Noise Levels dB(A)		73.4	73.1	73.4	73.1	73.2	72.5	73.3	74.0	73.7	73.6	72.6	73.0	72.3	71.2	70.1	68.9	72.8			
HKPSG Exceedances		3.4	3.1	3.4	3.1	3.2	2.5	3.3	4.0	3.7	3.6	2.6	3.0	2.3	1.2	0.1	-1.1				
14 = number of hours exceeded 70 dB(A)																					
5691	LV	5,188	4,568	4,133	3,236	2,637	2,424	2,400	2,984	2,734	2,795	2,839	4,150	4,191	3,279	2,565	2,006	3,964	2,824	3,220	
	HV	994	825	1,024	1,068	1,135	965	1,187	1,376	1,288	1,298	1,145	1,057	795	610	468	359	794	1,124	979	
	SPD	37.5	37.5	37.5	50.0	50.0	50.0	50.0	50.0	50.0	51.0	51.0	51.0	51.0	50.0	50.0	50.0	38	51	50	
	total	6182	5392	5157	4304	3772	3389	3586	4360	4022	4093	3984	5207	4986	3889	3033	2366				
	% HV	16	15	20	25	30	28	33	32	32	32	29	20	16	16	15	15				
	BNL	80	80	79	79	78	78	78	79	78	78	78	79	79	78	77	76				
	% HV	1	1	1	3	3	3	4	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	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4			
	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	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	-0.5	77.8			
Facade Noise Levels dB(A)		77.9	77.2	77.8	78.2	78.2	77.8	78.3	79.0	78.7	78.8	78.4	78.5	77.6	76.4	75.3	74.2	77.8			
HKPSG Exceedances		7.9	7.2	7.8	8.2	8.2	7.6	8.3	9.0	8.7	8.8	8.4	8.5	7.6	6.4	5.3	4.2				
16 = number of hours exceeded 70 dB(A)																					
5806	LV	5,208	3,781	3,100	2,878	2,881	2,770	2,764	3,146	2,859	3,342	3,471	4,866	4,584	3,386	2,501	1,847	3,428	3,475	3,304	
	HV	1,360	1,470	1,732	2,070	2,023	1,763	1,732	1,925	2,193	1,997	1,662	1,718	1,638	1,020	636	397	1,460	1,644	1,592	
	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	6568	5251	4832	4946	4904	4533	4496	5071	5051	5339	5133	6582	6220	4408	3137	2244				
	% HV	21	28	36	42	41	39	39	38	43	37	32	26	26	23	20	18				
	BNL	80	79	79	79	79	79	79	79	79	79	79	80	80	79	77	76				
	% HV	2	3	4	4	4	4	4	4	5	4	3	3	3	2	2	1				
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	Distance	60	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7			
	Surface	p	-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	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	-0.5	74.4			
Facade Noise Levels dB(A)		74.0	74.1	74.6	75.4	75.3	74.7	74.6	75.1	75.6	75.3	74.5	74.8	74.6	72.7	70.7	68.8	74.4			
HKPSG Exceedances		4.0	4.1	4.6	5.4	5.3	4.7	4.6	5.1	5.6	5.3	4.6	4.8	4.6	2.7	0.7	-1.2				
15 = number of hours exceeded 70 dB(A)																					
5807	LV	6,234	6,784	6,058	5,370	3,671	3,839	4,678	5,789	5,286	5,190	5,582	6,111	4,887	4,384	4,300	3,713	5,749	5,390	4,989	
	HV	2,803	2,515	2,363	2,575	3,277	2,789	2,282	2,672	3,979	3,057	2,724	3,377	2,399							

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2016CTS-3(815100)MAIN MODEL RUN-V83 SCIII Full Hi/Hi Fleet Budget Toll New Bus

2016CTS-3(815100)MAIN MODEL RUN-V83 SCIII Full Hi/Hi Fleet Budget Toll New Bus																	Model Output				
Hour Start / 2-way Hourly Traffic Volume (veh.) or Speed (km/hr)																	AM	PM	OP		
Stn.		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22				
5810	LV	2,253	2,624	2,530	2,539	2,132	2,181	1,768	1,994	2,221	2,317	2,337	2,671	2,409	1,724	1,860	1,952	2,367	2,372	2,178	
	HV	1,264	1,700	1,951	2,301	2,316	1,987	1,968	2,174	2,110	2,293	1,787	1,941	1,514	1,179	1,004	901	1,590	1,776	1,800	
	SPD	32.3	32.3	32.3	31.5	31.5	31.5	31.5	31.5	31.5	32.3	32.3	32.3	32.3	31.5	31.5	31.5	32	32	32	
	total	3517	4324	4482	4840	4448	4168	3735	4168	4331	4610	4124	4613	3923	2902	2863	2853				
	% HV	36	39	44	48	52	48	53	52	49	50	43	42	39	41	35	32				
	BNL	78	79	79	79	79	78	78	79	79	79	78	79	78	77	77	77				
	% HV	4	4	4	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	Distance	-1	-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	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	-0.5	82.9			
Facade Noise Levels dB(A)		81.6	82.8	83.3	84.0	84.0	83.4	83.3	83.7	83.6	84.0	82.9	83.3	82.3	81.2	80.6	80.2				
HKPSG Exceedances		11.6	12.8	13.3	14.0	14.0	13.4	13.3	13.7	13.6	14.0	12.9	13.3	12.3	11.2	10.6	10.2				
		16 = number of hours exceeded 70 dB(A)																			
5816	LV	1,658	2,199	1,584	1,328	1,287	1,246	1,232	1,346	1,421	1,382	1,635	1,830	1,739	1,567	1,412	1,273	2,052	1,821	1,417	
	HV	1,044	1,021	1,301	1,448	1,413	1,347	1,356	1,399	1,408	1,360	1,209	1,054	946	776	637	522	1,043	1,171	1,149	
	SPD	20.0	20.0	20.0	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	20	20	22	
	total	2702	3220	2885	2777	2700	2592	2588	2745	2827	2742	2844	2883	2685	2343	2049	1795				
	% HV	39	32	45	52	52	52	51	50	50	43	37	35	33	31	29					
	BNL	77	77	77	77	77	76	76	77	77	77	77	77	76	76	75	75				
	% HV	5	4	6	6	6	6	6	6	6	5	5	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	-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	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	-0.5	82.2			
Facade Noise Levels dB(A)		82.1	82.0	83.0	82.9	82.8	82.6	82.7	82.8	82.8	82.8	83.1	82.7	82.1	81.7	80.4	79.6	78.8			
HKPSG Exceedances		12.1	12.0	13.0	12.9	12.8	12.6	12.7	12.8	12.9	13.1	12.7	12.1	11.7	10.4	9.8	8.8				
		16 = number of hours exceeded 70 dB(A)																			
5818	LV	1,012	1,480	1,004	775	751	727	719	786	829	806	950	1,066	1,015	915	824	743	1,381	942	827	
	HV	544	646	721	711	693	661	665	687	690	683	555	484	381	312	256		660	661	564	
	SPD	24.5	24.5	24.5	26.5	26.5	26.5	26.5	26.5	26.5	25.5	25.5	25.5	25.5	26.5	26.5	26.5	25	26	27	
	total	1556	2126	1728	1486	1445	1388	1385	1472	1519	1497	1633	1621	1479	1295	1137	999				
	% HV	35	30	42	48	48	48	48	47	45	45	42	34	31	29	27	26				
	BNL	74	75	75	74	74	74	74	74	74	74	74	74	74	73	73	72				
	% HV	4	3	5	5	5	5	5	5	5	5	4	3	3	3	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	-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	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	-0.5	78.6			
Facade Noise Levels dB(A)		78.5	79.3	79.6	79.3	79.1	78.9	79.0	79.1	79.1	79.3	79.2	78.4	77.7	76.8	76.0	75.2				
HKPSG Exceedances		8.5	9.3	9.6	9.3	9.1	8.9	9.0	9.1	9.1	9.3	9.2	8.4	7.7	6.8	6.0	5.2				
		16 = number of hours exceeded 70 dB(A)																			
5823	LV	960	1,462	1,104	807	924	864	849	915	936	1,008	1,234	1,176	1,081	849	1,072	899	1,336	1,211	933	
	HV	910	867	1,217	1,553	1,280	1,229	1,365	1,449	1,397	1,270	1,160	944	750	541	355	380	902	1,079	1,056	
	SPD	23.0	23.0	23.0	24.0	24.0	24.0	24.0	24.0	24.0	20.0	20.0	20.0	20.0	24.0	24.0	24.0	23	20	24	
	total	1870	2330	2320	2361	2203	2093	2213	2364	2334	2276	2394	2120	1811	1390	1427	1279				
	% HV	49	37	52	66	58	59	62	61	60	58	48	45	41	39	25	30				
	BNL	75	76	76	76	76	75	76	76	76	76	76	76	75	74	74	73				
	% HV	5	4	6	7	6	6	6	6	6	7	6	6	5	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	-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	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	-0.5	81.4			
Facade Noise Levels dB(A)		80.8	80.7	82.0	82.8	82.0	81.9	82.3	82.6	82.4	82.8	82.4	81.6	80.6	78.5	76.9	77.1				
HKPSG Exceedances		10.8	10.7	12.0	12.8	12.0	11.9	12.3	12.6	12.4	12.8	12.4	11.6	10.6	8.5	6.9	7.1				
		16 = number of hours exceeded 70 dB(A)																			
5834	LV	4,364	4,581	3,965	3,686	2,568	2,916	2,597	2,550	3,262	3,037	3,552	5,296	4,591	3,066	2,048	1,368	3,798	3,601	3,240	
	HV	1,127	1,207	1,792	2,484	2,122	1,909	1,814	1,969	1,948	1,863	1,590	1,408	1,192	741	461	286	1,155	1,519	1,537	
	SPD	28.5	28.5	28.5	30.5	30.5	30.5	30.5	30.5	30.5	29.0	29.0	29.0	29.0	30.5	30.5	30.5	29	29	31	
	total	5491	5788	5757	6150	4690	4826	4410	4520	5210	4900	5143	6704	5782	3807	2509	1654				
	% HV	21	21	31	40	45	40	41	44	37	38	31	21	21	19	18	17				
	BNL	80	80	80	80	79	79	79	79	79	79	79	79	80	80	78	76				
	% HV	2	2	3	4	4	4	4	4	4	4	3	2	2	1	1	1				
	Gradient	9	Gradient	3	3	3	3	3	3	3	3	3	3	3	3	3	3				
	Distance	15	Distance	-1	-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	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	-0.5	84.4			
Facade Noise Levels dB(A)		83.6	83.9	85.3	86.4	85.7	85.3	85.0	85.4	85.4	85.3	84.7	84.5	83.8	81.7	79.7	77.7				
HKPSG Exceedances		13.6	13.9	15.3	16.4	15.7	15.3	15.0	15.4	15.4	15.3	14.7	14.5	13.8	11.7	9.7	7.7				
		16 = number of hours exceeded 70 dB(A)																			
5852	LV	515	499	439	313	261	250	257	260	288	299	418	545	643	485	366	276	445	438	306	
	HV	618	522	656	682	692	600	673	728	770	694	613	621	604	391	253	163	533	606	583	
	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	16	16	
	total	1133	1020	1094	995	953	850	930													

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2016CTS-3(815100)MAIN MODEL RUN-V83 SCIII Full Hi/Hi 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	CP
5855	LV	2,287	1,735	1,502	1,515	1,377	1,361	1,515	1,543	1,653	1,942	2,106	2,610	2,678	2,138	1,707	1,362	1,529	2,054	1,829
	HV	1,057	1,261	1,505	1,557	1,622	1,476	1,519	1,935	1,821	1,666	1,423	1,339	1,058	840	666	528	1,213	1,397	1,337
	SPD	54.0	54.0	54.0	50.5	50.5	50.5	50.5	50.5	50.5	48.0	48.0	48.0	48.0	50.5	50.5	50.5	54	48	51
	total	3344	2996	3007	3172	2999	2837	3034	3478	3474	3609	3529	3949	3737	2978	2373	1891			
	% HV	32	42	50	49	54	52	50	56	52	46	40	34	28	28	28	28			
	BNL	77	77	77	77	77	77	77	78	78	78	78	78	78	77	76	75			
	% HV	4	5	5	5	5	5	5	5	5	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	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)		77.9	78.3	79.0	79.0	79.1	78.7	78.8	79.8	79.6	79.2	78.6	78.5	77.7	76.8	75.8	74.8	78.4		
HKPSG Exceedances		7.9	8.3	9.0	9.0	9.1	8.7	8.8	9.8	9.6	9.2	8.6	8.5	7.7	6.8	5.8	4.8			
		16	= number of hours exceeded 70 dB(A)																	
6001	LV	4,644	3,751	3,100	3,238	2,760	2,729	3,037	3,093	3,315	3,902	4,266	5,256	5,369	4,286	3,422	2,731	3,305	4,160	3,667
	HV	2,327	2,760	3,307	3,431	3,576	3,253	3,349	4,265	4,013	3,585	2,811	2,806	2,333	1,851	1,468	1,164	2,855	2,759	2,946
	SPD	44.0	44.0	44.0	41.5	41.5	41.5	41.5	41.5	40.5	40.5	40.5	40.5	40.5	41.5	41.5	41.5	44	41	42
	total	6971	6511	6406	6669	6336	5982	6387	7358	7328	7487	7077	8062	7703	6137	4890	3896			
	% HV	33	42	52	51	56	54	52	58	55	48	40	35	30	30	30	30			
	BNL	81	80	80	80	80	80	80	81	81	81	81	81	81	80	79	78			
	% HV	3	4	5	5	5	5	5	5	5	4	3	3	3	3	3	3			
	Gradient	0	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	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)		79.0	79.5	80.2	80.3	80.4	80.0	80.1	81.1	80.9	80.5	79.6	79.6	79.0	78.0	77.0	76.0	79.6		
HKPSG Exceedances		9.0	9.5	10.2	10.3	10.4	10.0	10.1	11.1	10.9	10.5	9.6	9.6	9.0	8.0	7.0	6.0			
		16	= number of hours exceeded 70 dB(A)																	
6002	LV	3,161	2,796	2,162	2,159	1,840	1,820	2,025	2,063	2,210	2,607	2,873	3,520	3,580	2,858	2,281	1,821	2,463	2,802	2,445
	HV	1,754	2,127	2,509	2,573	2,682	2,439	2,511	3,198	3,009	2,683	2,088	2,095	1,749	1,388	1,101	873	2,046	2,048	2,209
	SPD	38.5	38.5	38.5	38.0	38.0	38.0	38.0	38.0	37.0	37.0	37.0	37.0	37.0	38.0	38.0	38.0	39	37	38
	total	4915	4922	4671	4732	4522	4259	4537	5261	5220	5290	4961	5615	5330	4246	3382	2694			
	% HV	36	43	54	54	59	57	55	61	58	51	42	37	33	33	33	32			
	BNL	79	79	79	79	79	78	79	79	79	79	79	80	79	78	77	77			
	% HV	3	4	5	5	5	5	5	5	5	4	4	3	3	3	3	3			
	Gradient	0	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	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)		77.6	78.3	78.8	78.9	79.1	78.7	78.8	79.8	79.6	79.2	78.2	78.3	77.6	76.8	75.6	74.6	78.3		
HKPSG Exceedances		7.6	8.3	8.8	8.9	9.1	8.7	8.8	9.8	9.6	9.2	8.2	8.3	7.6	6.6	5.6	4.6			
		16	= number of hours exceeded 70 dB(A)																	
6009	LV	1,644	1,580	1,064	841	842	810	808	920	836	1,016	1,232	1,547	1,340	990	731	540	1,433	1,234	968
	HV	680	714	859	1,044	1,020	889	873	971	1,106	1,005	830	862	825	515	321	200	709	821	803
	SPD	29.5	29.5	29.5	34.5	34.5	34.5	34.5	34.5	34.5	30.5	30.5	30.5	30.5	34.5	34.5	34.5	30	31	35
	total	2324	2294	1923	1885	1863	1699	1682	1891	1942	2022	2062	2409	2165	1504	1052	740			
	% HV	29	31	45	55	55	52	52	51	57	50	40	36	38	34	31	27			
	BNL	76	76	75	75	75	74	75	75	75	75	75	76	76	74	72	71			
	% HV	3	3	4	5	5	5	5	5	5	4	4	4	4	3	3	2			
	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	Average Level over 16 hr		
Facade Noise Levels dB(A)		79.1	79.3	79.9	80.4	80.3	79.8	79.7	80.1	80.7	80.4	79.7	80.0	79.7	77.6	75.7	73.7	79.4		
HKPSG Exceedances		9.1	9.3	9.9	10.4	10.3	9.8	9.7	10.1	10.7	10.4	9.7	10.0	9.7	7.8	5.7	3.7			
		16	= number of hours exceeded 70 dB(A)																	
6011	LV	1,464	1,704	1,334	1,235	1,196	1,158	1,145	1,251	1,321	1,303	1,513	1,751	1,616	1,457	1,313	1,183	1,590	1,599	1,317
	HV	694	706	875	952	928	885	891	919	924	800	819	703	621	510	418	343	721	793	755
	SPD	24.0	24.0	24.0	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	2157	2410	2209	2186	2125	2042	2036	2170	2244	2203	2432	2453	2238	1966	1731	1526			
	% HV	32	29	40	44	44	43	44	42	41	34	29	28	26	24	22	22			
	BNL	76	76	76	76	75	75	75	76	76	76	76	76	76	75	75	74			
	% HV	4	3	5	5	5	5	5	5	5	4	3	3	3	3	3	2			
	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	Average Level over 16 hr		
Facade Noise Levels dB(A)		79.6	79.8	80.5	80.7	80.6	80.4	80.4	80.6	80.8	80.8	80.5	79.9	79.4	78.3	77.5	76.7	79.9		
HKPSG Exceedances		9.6	9.8	10.5	10.7	10.6	10.4	10.4	10.6	10.6	10.8	10.5	9.9	9.4	8.3	7.5	6.7			
		16	= number of hours exceeded 70 dB(A)																	
6014	LV	2,613	2,652	1,682	1,532	1,392	1,323	1,473	1,605	1,743	1,722	2,072	2,540	2,267	2,015	1,791	1,592	2,253	2,082	1,794
	HV	343	491	505	521	487	436	494	618	492	498	483	437	367	274	205	153	473	479	403
	SPD	34.5	34.5	34.5	35.0	35.0	35.0	35.0	35.0	35.0	33.5	33.5	33.5	33.5	35.0	35.0	35.0	35	34	35
	total	2956	3143	2187	2052	1878	1759	1967	2123	2235	2219	2555	2977	2634	2289	1996	1745			
	% HV	12	16	23	25	26	25	25	24	22	22	19	15	14	12	10	9			
	BNL	77	77	78	75	75	75	75	75	78	76	76	77	76	76	75	75			
	% HV	0	1	2	2	2	2	2	2	2	2	1	0	0	0	-1	-1			
	Gradient	6	Gradient	2	2	2	2	2	2											

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2016CTS-3(815100)MAIN MODEL RUN-V83 SCIII Full Hi/Hi 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
6027	LV	903	983	996	1,034	869	888	720	812	905	918	839	1,026	881	702	758	795	887	851	887
	HV	497	889	839	831	836	718	711	785	762	862	775	763	547	426	382	325	831	770	650
	SPD	24.5	24.5	24.5	26.5	26.5	26.5	26.5	26.5	27.0	27.0	27.0	27.0	27.0	28.5	26.5	26.5	25	27	27
	total	1400	1872	1835	1865	1705	1606	1431	1597	1666	1780	1613	1789	1528	1128	1120	1120			
	% HV	35	47	46	45	49	45	50	49	46	48	48	43	36	38	32	29			
	BNL	74	75	75	75	74	74	74	74	74	75	74	75	74	73	73	73			
	% 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	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	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	Average Level over 16 hr		
6028	LV	2,035	1,816	1,940	1,722	1,106	1,042	739	648	978	938	1,244	1,559	1,989	1,467	1,233	1,159	1,643	1,293	1,318
	HV	1,187	1,117	1,401	1,462	1,121	810	1,103	1,177	1,155	1,105	1,168	1,661	1,269	885	910	866	1,014	1,242	1,164
	SPD	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	24.5	24.5	24.5	24.5	23.0	23.0	23.0	23	25	23
	total	3221	2933	3341	3184	2227	1852	1842	1825	2133	2042	2409	3220	3257	2355	2144	2125			
	% HV	37	38	42	46	50	44	60	64	54	54	48	52	39	38	42	45			
	BNL	77	77	77	77	78	75	75	75	75	75	76	77	77	76	76	75			
	% HV	4	5	5	5	5	5	6	7	6	6	5	5	4	4	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	-1.0	-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	Average Level over 16 hr		
6030	LV	1,215	1,069	1,027	1,012	969	992	768	948	1,046	968	1,141	1,235	1,203	930	942	883	976	1,073	1,021
	HV	184	184	260	318	293	221	289	312	306	305	252	256	181	131	94	65	162	253	231
	SPD	26.0	26.0	26.0	25.0	25.0	25.0	25.0	25.0	25.0	21.0	21.0	21.0	21.0	25.0	25.0	25.0	26	21	25
	total	1398	1253	1287	1331	1262	1213	1057	1259	1352	1273	1392	1491	1384	1061	1036	947			
	% HV	13	15	20	24	23	18	27	25	23	24	18	17	13	12	9	7			
	BNL	74	73	73	73	73	72	73	72	73	74	74	74	74	72	72	72			
	% HV	6	1	2	2	2	3	3	2	3	2	2	2	1	0	-1	-1			
	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	-1.0	-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	Average Level over 16 hr		
6033	LV	2,083	2,122	1,836	1,675	1,604	1,641	1,271	1,568	1,731	1,875	2,316	2,245	1,990	1,639	1,558	1,460	1,937	2,178	1,689
	HV	1,085	1,265	1,802	1,815	1,689	1,262	1,546	1,777	1,742	1,764	1,512	1,495	1,033	744	537	370	1,253	1,521	1,317
	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	12	14
	total	3168	3387	3439	3490	3273	2930	2916	3344	3473	3439	3828	3740	3023	2284	2095	1830			
	% HV	34	37	47	52	51	43	56	53	50	51	40	40	34	33	26	20			
	BNL	77	77	78	78	77	77	77	77	78	78	78	78	78	77	76	75			
	% HV	5	5	6	6	6	5	7	6	6	6	5	5	5	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	-1.0	-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	Average Level over 16 hr		
6040	LV	3,422	2,809	2,064	1,868	1,872	1,799	1,796	2,043	1,857	2,208	2,461	3,279	2,977	2,199	1,624	1,200	2,368	2,464	2,146
	HV	927	1,110	1,218	1,368	1,337	1,165	1,144	1,272	1,449	1,377	1,315	1,238	1,081	674	420	262	1,102	1,301	1,052
	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	6	6	10
	total	4348	3719	3283	3236	3208	2964	2940	3315	3306	3585	3776	4515	4058	2873	2045	1462			
	% HV	21	30	37	42	42	39	39	38	44	38	35	27	27	23	21	18			
	BNL	79	78	77	77	77	77	77	77	77	78	78	79	78	77	75	74			
	% HV	3	4	5	6	5	5	5	5	6	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	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	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	Average Level over 16 hr		
6051	LV	1,178	1,612	1,568	1,369	1,249	1,113	1,329	1,558	1,387	1,577	1,488	1,560	1,558	1,080	983	863	1,523	1,498	1,293
	HV	625	562	533	885	877	802	699	822	932	804	735	771	516	336	188	198	534	707	657
	SPD	57.0	57.0	57.0	59.0	59.0	59.0	59.0	59.0	59.0	55.0	55.0	55.0	55.0	59.0	59.0	59.0	57	55	59
	total	1801	2174	2201	2254	2126	1915	2028	2380	2319	2381	2223	2330	2074	1398	1171	1060			
	% HV	35	26	29	39	41	42	34	35	40	34	33	33	25	24	16	19			
	BNL	75	76	76	76	75	75	75	76	76	76	76	76	76	74	73	72			
	% HV	4	3	3	5	5	5	4	4	5	4	4	4	3	3	2	2			
	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	-1.0	-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	Average Level over 16 hr		

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2016CTS-3(815100)MAIN MODEL RUN-V83 SCIII Full Hi/Hi 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		
6057	LV	2,955	2,319	1,798	1,602	1,606	1,544	1,540	1,753	1,593	1,881	2,040	2,772	2,554	1,887	1,393	1,029	2,103	2,043	1,841		
	HV	768	695	930	1,223	1,195	1,042	1,023	1,137	1,295	1,179	978	1,012	967	803	376	234	590	967	941		
	SPD	39.5	39.5	39.5	38.3	38.3	38.3	38.3	38.3	37.5	37.5	37.5	37.5	37.5	38.3	38.3	38.3	40	38	38		
	total	3724	3014	2728	2825	2800	2585	2563	2890	2888	3060	3018	3784	3521	2489	1759	1263					
	% HV	21	23	34	43	43	40	40	39	45	39	32	27	27	24	21	19					
	BNL	78	77	77	77	77	76	76	77	77	77	77	78	78	76	75	73					
	% HV	2	2	3	4	4	4	4	4	4	4	3	2	3	2	2	1					
	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	-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	-0.5	81.1				
Facade Noise Levels dB(A)		80.8	80.2	81.1	82.1	82.0	81.5	81.4	81.9	82.4	82.0	81.4	81.7	81.5	79.5	77.6	75.7					
HKPSG Exceedances		10.8	10.2	11.1	12.1	12.0	11.5	11.4	11.9	12.4	12.0	11.4	11.7	11.5	9.5	7.6	5.7					
		16	= number of hours exceeded 70 dB(A)																			
6059	LV	2,445	1,915	2,006	2,088	2,000	2,046	1,584	1,955	2,158	1,964	2,171	2,461	2,481	1,919	1,943	1,820	1,748	2,042	2,108		
	HV	1,208	956	1,617	2,190	2,014	1,523	1,986	2,144	2,102	2,014	1,417	1,508	1,248	898	648	446	948	1,426	1,589		
	SPD	38.5	38.5	38.5	28.8	28.8	28.8	28.8	28.8	28.8	31.8	31.8	31.8	31.8	28.8	28.8	28.8	39	32	29		
	total	3652	2871	3622	4278	4014	3568	3570	4099	4260	3978	3588	4069	3727	2817	2591	2266					
	% HV	33	33	45	51	50	43	56	52	49	51	39	40	33	32	25	20					
	BNL	78	77	78	79	78	78	78	78	78	78	78	78	78	77	76	76					
	% HV	3	3	4	5	5	4	5	5	5	5	4	4	3	3	2	2					
	Gradient	9	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	-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	-0.5	80.3				
Facade Noise Levels dB(A)		79.4	78.4	80.4	81.9	81.6	80.4	81.5	81.8	81.8	81.4	80.0	80.6	79.6	78.3	77.1	75.7					
HKPSG Exceedances		9.4	8.4	10.4	11.9	11.6	10.4	11.5	11.8	11.8	11.4	10.0	10.6	9.6	8.3	7.1	5.7					
		16	= number of hours exceeded 70 dB(A)																			
6201	LV	5,821	6,248	5,794	5,337	4,237	4,330	4,047	4,833	4,916	5,535	6,601	7,259	6,262	5,439	4,723	4,102	5,850	6,520	5,107		
	HV	2,982	2,970	4,157	5,179	4,926	5,110	4,706	5,355	5,288	4,902	3,706	3,214	2,499	1,912	1,462	1,118	3,009	3,541	3,842		
	SPD	55.0	55.0	55.0	53.5	53.5	53.5	53.5	53.5	53.5	52.0	52.0	52.0	52.0	53.5	53.5	53.5	55	52	54		
	total	8803	9219	9951	10516	9163	9440	8753	10188	10204	10437	10308	10473	8762	7350	6186	5221					
	% HV	34	32	42	49	54	54	54	53	52	47	36	31	29	28	24	21					
	BNL	82	82	82	82	82	82	82	82	82	82	82	82	82	81	80	79					
	% HV	4	4	5	5	5	5	5	5	5	5	4	3	3	3	3	2					
	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	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	-0.5	85.8				
Facade Noise Levels dB(A)		85.1	85.2	86.4	87.1	86.8	87.0	86.6	87.2	87.2	86.9	85.9	85.4	84.4	83.4	82.4	81.4					
HKPSG Exceedances		15.1	15.2	16.4	17.1	16.9	17.0	16.6	17.2	17.2	16.9	15.9	15.4	14.4	13.4	12.4	11.4					
		16	= number of hours exceeded 70 dB(A)																			
6203	LV	3,143	4,067	3,841	3,446	2,894	2,959	2,706	3,013	3,196	3,398	3,748	3,269	2,339	2,524	2,549	3,889	3,448	2,955			
	HV	1,163	1,365	1,730	2,183	2,198	1,896	1,867	2,062	2,002	2,131	1,528	1,763	1,437	1,119	952	855	1,275	1,519	1,708		
	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	4307	5432	5371	5629	5092	4845	4266	4769	5016	5328	4926	5511	4706	3458	3476	3504					
	% HV	27	25	32	39	43	39	44	43	40	40	31	32	31	32	27	24					
	BNL	79	80	80	80	79	79	79	79	79	79	79	80	79	78	78	78					
	% HV	3	2	3	4	4	4	4	4	4	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	-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	-0.5	83.7				
Facade Noise Levels dB(A)		82.3	83.1	83.9	84.8	84.8	84.2	84.1	84.5	84.4	84.7	83.4	84.0	83.2	82.0	81.5	81.1					
HKPSG Exceedances		12.3	13.1	13.9	14.8	14.8	14.2	14.1	14.5	14.4	14.7	13.4	14.0	13.2	12.0	11.5	11.1					
		16	= number of hours exceeded 70 dB(A)																			
6213	LV	2,828	3,300	3,028	2,457	2,090	2,485	2,588	2,098	2,520	3,133	3,584	3,578	3,330	2,856	2,448	2,100	3,181	3,571	2,611		
	HV	1,975	2,121	2,756	3,176	3,376	2,968	3,330	3,209	3,001	3,135	2,725	2,569	1,711	1,522	1,354	1,205	2,054	2,595	2,560		
	SPD	39.0	39.0	39.0	33.5	33.5	33.5	33.5	33.5	33.5	20.0	20.0	20.0	20.0	33.5	33.5	33.5	39	17	34		
	total	4801	5421	5785	5633	5466	5453	5918	5307	5522	6267	6309	6147	5041	4378	3803	3304					
	% HV	41	39	48	56	62	54	56	60	54	50	43	42	34	35	36	36					
	BNL	79	80	80	80	80	80	80	80	79	80	80	80	80	79	79	78					
	% HV	4	4	4	5	6	5	5	5	5	6	6	5	5	3	3	4					
	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	-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	-0.5	81.4				
Facade Noise Levels dB(A)		80.0	80.4	81.4	81.9	82.1	81.6	82.1	81.9	81.7	83.4	82.8	82.6	80.9	79.0	78.5	78.0					
HKPSG Exceedances		10.0	10.4	11.4	11.9	12.1	11.6	12.1	11.9	11.7	13.4	12.8	12.5	10.9	9.0	8.5	8.0					
		18	= number of hours exceeded 70 dB(A)																			