

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2006CTS3(815100)MAIN MODEL RUN-V107 SCII Prac Med Budget Toll with 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		
1003	LV	7,155	9,422	10,507	8,421	7,893	7,785	5,871	7,130	8,033	8,961	8,352	9,582	8,828	7,505	6,381	5,424	8,835	8,466	7,758		
	HV	1,233	1,528	2,340	2,818	2,799	2,759	2,260	2,562	2,514	2,553	2,104	1,302	905	579	370	237					
	SPD	65.0	65.0	65.0	72.0	72.0	72.0	72.0	72.0	70.0	70.0	70.0	70.0	70.0	72.0	72.0	72.0					
	total	8388	10949	12847	11239	10692	10544	8130	9692	10547	11514	10457	10884	9733	8084	6751	5661					
	% HV	15	14	18	25	26	26	28	25	24	22	20	12	9	7	5	4					
	BNL	81	83	83	83	82	82	81	82	82	83	82	83	82	81	80	80					
	% HV	2	2	3	4	4	4	4	4	4	3	2	2	1	1	1						
	Gradient 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	-2					
	Surface p Surface	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5					
	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					
	Facade Noise Levels dB(A)	79.7	80.8	82.1	82.9	82.8	82.7	81.7	82.4	82.4	82.5	81.8	80.8	79.8	78.8	77.7	76.6	Average Level over 16 hr				
	HKPSG Exceedances	9.7	10.8	12.1	12.9	12.8	12.7	11.7	12.4	12.4	12.5	11.8	10.8	9.8	8.8	7.7	6.6	81.3				
	16 = number of hours exceeded 70 dB(A)																					
1004	LV	2,133	2,467	2,036	2,020	1,915	1,963	1,627	1,915	1,904	1,994	2,088	2,198	2,405	2,240	2,087	1,944	2,245	2,032	2,036		
	HV	1,219	1,542	1,737	1,915	1,801	1,688	1,713	1,809	1,874	1,690	1,406	1,080	859	808	760	715					
	SPD	33.0	33.0	33.0	36.0	36.0	36.0	36.0	36.0	37.5	37.5	37.5	37.5	37.5	36.0	36.0	36.0					
	total	3352	4108	3773	3935	3716	3651	3341	3724	3777	3684	3493	3278	3264	3048	2846	2658					
	% HV	36	40	46	49	48	46	51	49	50	46	40	33	28	27	27	27					
	BNL	77	78	78	78	78	78	77	78	78	78	78	77	77	77	77	76					
	% HV	4	4	4	5	5	4	5	5	5	4	4	3	2	2	2	2					
	Gradient 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	-2					
	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	-1.0					
	Angle 160 angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5					
	Facade Noise Levels dB(A)	79.8	80.8	81.0	81.3	81.0	80.8	80.8	81.1	81.2	80.8	80.1	79.1	78.3	78.0	77.7	77.5	Average Level over 16 hr				
	HKPSG Exceedances	9.6	10.8	11.0	11.3	11.0	10.8	10.8	11.1	11.2	10.8	10.1	9.1	8.3	8.0	7.7	7.5	80.1				
	16 = number of hours exceeded 70 dB(A)																					
1017	LV	1,443	1,864	1,429	1,318	1,250	1,281	1,062	1,250	1,243	1,288	1,299	1,403	1,570	1,462	1,362	1,269	1,697	1,264	1,329		
	HV	749	1,001	1,064	1,181	1,110	1,041	1,056	1,115	1,155	1,042	868	666	529	498	468	440					
	SPD	34.3	34.3	34.3	36.3	36.3	36.3	36.3	36.3	36.3	37.0	37.0	37.0	37.0	36.3	36.3	36.3					
	total	2192	2865	2493	2499	2360	2322	2118	2365	2397	2330	2166	2070	2099	1960	1830	1709					
	% HV	34	35	43	47	47	45	50	47	48	45	40	32	25	25	25	26					
	BNL	76	77	76	76	76	76	75	76	76	76	76	75	75	75	75	75					
	% HV	3	3	4	4	4	4	5	4	5	4	4	3	2	2	2	2					
	Gradient 0 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	1					
	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	-1.0					
	Angle 160 angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5					
	Facade Noise Levels dB(A)	80.6	81.8	82.0	82.3	82.1	81.8	81.8	82.1	82.2	81.8	81.1	80.1	79.3	79.0	78.8	78.5	Average Level over 16 hr				
	HKPSG Exceedances	10.8	11.8	12.0	12.3	12.1	11.8	11.8	12.1	12.2	11.8	11.1	10.1	9.3	9.0	8.8	8.5	81.1				
	16 = number of hours exceeded 70 dB(A)																					
1219	LV	1,104	1,878	1,922	1,439	1,376	1,578	1,437	1,564	1,683	1,669	1,745	1,986	2,237	1,683	1,266	952	1,776	1,747	1,548		
	HV	767	1,174	1,238	1,167	1,283	1,166	1,238	1,123	1,173	1,214	1,271	1,040	966	669	464	322					
	SPD	34.5	34.5	34.5	37.3	37.3	37.3	37.3	37.3	37.3	34.0	34.0	34.0	34.0	37.3	37.3	37.3					
	total	1871	3052	3161	2606	2659	2733	2676	2897	2857	2883	3016	3026	3203	2353	1730	1274					
	% HV	41	38	39	45	48	42	46	42	41	42	42	34	30	28	27	25					
	BNL	75	77	77	76	76	77	76	76	77	77	77	77	77	76	75	73					
	% HV	4	4	4	4	5	4	4	4	4	4	4	3	3	3	2	2					
	Gradient 3 Gradient	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
	Distance 5 Distance	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2					
	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	-1.0					
	Angle 160 angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5					
	Facade Noise Levels dB(A)	82.8	84.6	84.9	84.5	84.9	84.5	84.7	84.4	84.6	84.7	84.9	84.2	84.0	82.4	80.9	79.4	Average Level over 16 hr				
	HKPSG Exceedances	12.8	14.6	14.9	14.5	14.9	14.5	14.7	14.4	14.6	14.7	14.9	14.2	14.0	12.4	10.9	9.4	84.0				
	16 = number of hours exceeded 70 dB(A)																					
1404	LV	3,595	5,679	5,585	4,014	3,763	3,711	2,798	3,399	3,829	4,427	4,628	4,912	4,208	3,578	3,041	2,566	5,325	4,691	3,698		
	HV	956	1,324	1,883	2,105	2,091	2,062	1,688	1,914	1,878	2,030	1,967	1,097	676	432	276	177					
	SPD	80.0	80.0	80.0	85.0	85.0	85.0	85.0	85.0	85.0	80.5	80.5	80.5	80.5	85.0	85.0	85.0					
	total	4551	7003	7468	6120	5854	5773	4487	5313	5708	6457	6595	6009	4884	4010	3318	2762					
	% HV	21	19	25	34	36	38	36	33	31	30	18	14	11	8	8	8					
	BNL	79	81	81	80	80	80	79	79	80	80	80	80	79	78	77	77					
	% HV	4	4	4	5	6	6	6	5	5	5	4	3	3	3	2	2					
	Gradient 0 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	0					
	Surface p Surface	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5					
	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					
	Facade Noise Levels dB(A)	81.5	83.1	84.1	84.4	84.3	84.3	83.3	83.9	84.0	84.1	84.0	82.4	80.9	79.9	78.7	77.5	Average Level over 16 hr				
	HKPSG Exceedances	11.5	13.1	14.1	14.4	14.3	14.3	13.3	13.9	14.0	14.1	14.0	12.4	10.9	9.9	8.7	7.5	83.0				
	16 = number of hours exceeded 70 dB(A)																					
1422	LV	1,398	2,473	2,258	1,500	1,406	1,387	1,046	1,270	1,431	1,706	1,945	1,950	1,573	1,337	1,137	966	2,319	1,971	1,382		
	HV	418	633	651	891	885	872	714	810	795	897	953	502	286	183	117	75					
	SPD	65.0	65.0	65.0	69.5	69.5	69.5	69.5	69.5	69.5	66.5	66.5	66.5	66.5	69.5	69.5	69.5					
	total	1816	3106	3108	2391	2291	2259	1760	2080	2226	2603	2898	2452	1859	1520	1254	1041					
	% HV	23	20	27	37	39	39	41	39	36	34	33	20	15	12	9	7					
	BNL	75	77	77	76	76	76	75	75	76	76	77	76	75	74	73	72					
	% HV	3	3	4	5	5	5	5	5	5	5	4	3	2	2	2	2					
	Gradient 6 Gradient	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2					
	Distance 12 Distance	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1					
	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	-1.0					
	Angle 160 angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5					
	Facade Noise Levels dB(A)	80.3	82.3	83.1	83.2	83.2	83.1	82.2	82.8	82.8	83.2	83.5	81.4	79.5	78.3	77.0	75.8	Average Level over 16 hr				
	HKPSG Exceedances	10.3	12.3	13.1	13.2	13.1	13.1	12.2	12.8	12.8	13.2	13.5	11.4	9.5	8.3	7.0	5.8	81.9				
	16 = number of hours exceeded 70 dB(A)																					

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Future Year Hourly Profile of Traffic Volume and Speed

2006CTS3(815100)MAIN MODEL RUN-V107 SCII Prac Med Budget Toll with 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	
1424	LV	1,304	1,644	1,280	1,201	1,139	1,167	988	1,139	1,132	1,202	1,315	1,343	1,430	1,332	1,241	1,156	1,496	1,280	1,211	
	HV	715	946	1,013	1,131	1,063	997	1,011	1,068	1,106	991	807	629	507	477	449	422	953	758	827	
	SPD	42.0	42.0	42.0	45.0	45.0	45.0	45.0	45.0	44.0	44.0	44.0	44.0	44.0	45.0	45.0	45.0	42	44	45	
	total	2019	2590	2293	2332	2202	2164	1979	2207	2238	2193	2122	1973	1937	1809	1690	1578				
	% HV	35	37	44	48	48	46	51	48	49	45	38	32	26	26	27	27				
	BNL	75	76	78	76	76	76	75	76	76	76	75	75	75	75	74	74				
	% HV	3	4	4	5	5	4	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	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)		79.1	80.3	80.5	81.0	80.7	80.4	80.4	80.7	80.8	80.4	79.6	78.7	78.0	77.7	77.5	77.2	79.7			
HKPSG Exceedances		9.1	10.3	10.5	11.0	10.7	10.4	10.4	10.7	10.8	10.4	9.6	8.7	8.0	7.7	7.5	7.2				
		16	= number of hours exceeded 70 dB(A)																		
1433	LV	472	823	664	519	533	554	525	532	547	589	660	601	639	642	459	390	760	660	527	
	HV	311	347	429	497	567	439	485	430	491	456	303	242	171	121	85	60	356	297	343	
	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	19	16	
	total	783	1170	1093	1016	1100	992	1010	962	1038	1045	983	842	810	863	545	450				
	% HV	40	30	39	49	52	44	48	45	47	44	31	29	21	18	16	13				
	BNL	71	73	73	72	73	72	72	72	72	72	72	71	71	70	70	69				
	% HV	5	4	5	6	6	6	6	6	6	6	4	4	3	2	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	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr			
Facade Noise Levels dB(A)		78.1	78.7	79.5	80.0	80.6	79.5	79.9	79.4	80.0	79.7	78.1	77.1	75.8	74.4	73.0	71.7	78.5			
HKPSG Exceedances		8.1	8.7	9.5	10.0	10.6	9.5	9.9	9.4	10.0	9.7	8.1	7.1	5.6	4.4	3.0	1.7				
		16	= number of hours exceeded 70 dB(A)																		
1443	LV	865	1,082	847	799	757	778	643	757	753	773	755	835	951	886	825	768	985	735	605	
	HV	690	1,024	1,019	1,043	981	920	933	985	1,020	945	854	621	468	440	414	389	1,031	802	763	
	SPD	29.0	29.0	29.0	30.0	30.0	30.0	30.0	30.0	32.0	32.0	32.0	32.0	32.0	30.0	30.0	30.0	29	32	30	
	total	1555	2106	1866	1842	1738	1696	1577	1743	1773	1718	1609	1455	1419	1326	1239	1159				
	% HV	44	49	55	57	56	54	59	57	58	55	53	43	33	33	33	34				
	BNL	74	75	75	75	75	74	74	74	75	75	75	74	74	74	73	73				
	% HV	4	5	5	5	5	5	5	5	5	5	5	4	3	3	3	3				
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	Distance	8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-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)		80.3	81.9	81.8	81.9	81.6	81.3	81.4	81.6	81.8	81.4	80.9	79.7	78.6	78.4	78.1	77.9	80.8			
HKPSG Exceedances		10.3	11.9	11.8	11.9	11.6	11.3	11.4	11.6	11.8	11.4	10.9	9.7	8.6	8.4	8.1	7.9				
		16	= number of hours exceeded 70 dB(A)																		
1617	LV	1,838	2,301	1,800	1,697	1,609	1,649	1,368	1,609	1,800	1,676	1,753	1,846	2,021	1,883	1,754	1,633	2,094	1,706	1,711	
	HV	803	1,050	1,133	1,276	1,199	1,124	1,141	1,205	1,248	1,090	808	673	572	538	506	476	1,057	759	933	
	SPD	43.5	43.5	43.5	45.5	45.5	45.5	45.5	45.5	47.0	47.0	47.0	47.0	47.0	45.5	45.5	45.5	44	47	46	
	total	2641	3351	2933	2973	2809	2774	2509	2814	2848	2765	2561	2519	2593	2421	2260	2109				
	% HV	30	31	39	43	43	41	45	43	44	39	32	27	22	22	22	23				
	BNL	76	77	77	77	77	77	76	77	77	77	76	76	76	76	76	75				
	% HV	3	3	4	4	4	4	4	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	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)		79.8	80.9	81.1	81.6	81.3	81.1	81.1	81.3	81.5	81.0	79.9	79.3	78.8	78.5	78.2	77.9	80.4			
HKPSG Exceedances		9.8	10.9	11.1	11.6	11.3	11.1	11.1	11.3	11.5	11.0	9.9	9.3	8.8	8.5	8.2	7.9				
		16	= number of hours exceeded 70 dB(A)																		
1642	LV	806	1,206	1,231	916	859	847	839	776	874	994	988	1,084	960	817	694	690	1,131	1,001	844	
	HV	274	373	536	607	603	595	487	552	542	566	504	296	195	125	80	51	410	468	388	
	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	1080	1579	1767	1524	1462	1442	1328	1416	1580	1492	1381	1155	941	774	641					
	% HV	25	24	30	40	41	41	43	42	38	36	34	21	17	13	10	6				
	BNL	73	74	75	74	74	74	73	73	74	74	74	74	74	73	72	71	70			
	% HV	4	4	4	5	5	5	5	5	5	5	5	3	3	2	2	1				
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	Distance	40	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5			
	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			
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)		69.8	71.3	72.5	72.7	72.8	72.6	71.6	72.2	72.2	72.5	72.1	70.4	69.1	67.6	66.3	65.0	71.2			
HKPSG Exceedances		-0.2	1.3	2.5	2.7	2.6	2.6	1.6	2.2	2.2	2.5	2.1	0.4	-0.9	-2.4	-3.7	-5.0				
		11	= number of hours exceeded 70 dB(A)																		
1804	LV	7,578	9,364	10,930	9,062	8,494	8,377	6,317	7,672	8,644	9,813	8,863	10,244	9,500	8,076	6,866	5,837	8,781	8,984	8,348	
	HV	1,387	1,625	2,588	3,222	3,200	3,155	2,583	2,929	2,874	2,851	2,185	1,419	1,035	862						

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2006CTS3(815100)MAIN MODEL RUN-V107 SCII Prac Med Budget Toll with New Bus

2006CTS3(815100)MAIN MODEL RUN-V107 SCII Prac Med Budget Toll with 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							
1805	LV	7,509	9,421	10,876	8,946	8,385	8,270	6,236	7,574	8,533	9,494	8,769	10,123	9,378	7,973	6,778	5,762	8,834	8,888	8,241				
	HV	1,320	1,598	2,487	3,037	3,016	2,974	2,435	2,781	2,709	2,727	2,190	1,378	975	624	399	255	1,759	2,033	1,940				
	SPD	72.5	72.5	72.5	73.0	73.0	73.0	73.0	73.0	73.0	72.5	72.5	72.5	72.5	73.0	73.0	73.0	73	73	73				
	total	8828	11019	13363	11982	11401	11244	8672	10335	11243	12222	10958	11502	10353	8596	7177	6017							
	% HV	15	15	19	25	26	26	28	27	24	22	20	12	9	7	6	4							
	BNL	82	83	83	83	83	83	82	82	83	83	83	83	82	82	81	80							
	% HV	3	3	3	4	4	4	4	4	4	4	4	2	2	2	1	1							
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
	Distance	43	Distance	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	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						
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	78.8						
Facade Noise Levels dB(A)		77.6	78.5	79.9	80.3	80.2	80.1	79.2	79.8	79.9	80.0	79.2	78.3	77.4	76.2	75.1	74.0							
HKPSG Exceedances		7.6	8.5	9.9	10.3	10.2	10.1	9.2	9.8	9.9	10.0	9.2	8.3	7.4	6.2	5.1	4.0							
		16 = number of hours exceeded 70 dB(A)																						
1810	LV	712	985	1,061	827	775	765	577	700	789	894	877	971	867	737	627	533	924	889	762				
	HV	85	111	165	193	191	189	154	175	172	182	169	97	62	40	25	16	122	157	123				
	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	798	1096	1226	1020	967	953	731	875	961	1076	1046	1068	929	777	652	549							
	% HV	11	10	13	19	20	20	21	18	17	16	16	9	7	5	4	3							
	BNL	71	73	73	72	72	72	71	72	72	73	72	72	72	71	70	70							
	% HV	2	2	2	3	3	3	3	3	3	3	3	2	1	1	0	0							
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
	Distance	43	Distance	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	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						
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	67.3						
Facade Noise Levels dB(A)		66.2	67.5	68.5	68.5	68.4	68.3	67.3	68.0	68.1	68.5	68.2	67.2	66.1	64.9	63.9	62.9							
HKPSG Exceedances		-3.8	-2.5	-1.5	-1.5	-1.6	-1.7	-2.7	-2.0	-1.9	-1.5	-1.8	-2.8	-3.9	-5.1	-6.1	-7.1							
		0 = number of hours exceeded 70 dB(A)																						
1811	LV	2,040	2,870	2,169	1,582	1,458	1,456	1,466	1,509	1,752	1,636	1,755	2,319	2,434	1,904	1,488	1,164	2,472	1,744	1,730				
	HV	1,040	1,200	1,166	1,104	1,165	1,132	1,107	1,125	1,188	1,168	853	928	863	625	453	328	1,162	855	954				
	SPD	36.0	36.0	36.0	40.5	40.5	40.5	40.5	40.5	40.5	41.5	41.5	41.5	41.5	40.5	40.5	40.5	36	42	41				
	total	3079	4070	3335	2686	2523	2588	2573	2634	2940	2804	2618	3248	3297	2529	1941	1492							
	% HV	34	29	35	41	44	44	43	43	40	42	33	29	26	25	23	22							
	BNL	77	78	77	76	76	76	76	76	77	77	76	77	77	76	75	74							
	% HV	3	3	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	-1.0	-1.0	-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						
	Surface	i	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	81.3					
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)		82.2	82.9	82.7	82.4	82.5	82.4	82.3	82.4	82.7	82.6	81.5	81.9	81.7	80.3	79.0	77.7							
HKPSG Exceedances		12.2	12.9	12.7	12.4	12.5	12.4	12.3	12.4	12.7	12.6	11.5	11.9	11.7	10.3	9.0	7.7							
		16 = number of hours exceeded 70 dB(A)																						
1820	LV	846	1,734	1,572	1,028	983	1,127	1,027	1,117	1,202	1,121	923	1,246	1,588	1,202	904	680	1,639	924	1,106				
	HV	525	823	855	791	870	784	840	761	796	751	578	584	855	454	315	218	807	556	657				
	SPD	32.0	32.0	32.0	27.0	27.0	27.0	27.0	27.0	27.0	37.0	37.0	37.0	37.0	27.0	27.0	27.0	32	37	27				
	total	1371	2557	2427	1819	1853	1910	1866	1878	1998	1872	1501	1829	2253	1656	1219	898							
	% HV	38	32	35	44	47	41	45	41	40	40	39	32	29	27	26	24							
	BNL	74	76	76	75	75	75	75	75	75	75	74	75	76	74	73	72							
	% HV	4	3	3	5	5	4	5	4	4	4	4	3	3	3	3	2							
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
	Distance	5	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	Average Level over 16 hr						
	Surface	i	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	81.5					
Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5							
Facade Noise Levels dB(A)		80.3	82.4	82.5	82.3	82.7	82.3	82.6	82.2	82.4	81.8	80.7	80.8	81.4	80.2	78.8	77.1							
HKPSG Exceedances		10.3	12.4	12.5	12.3	12.7	12.3	12.6	12.2	12.4	11.8	10.7	10.8	11.4	10.2	8.6	7.1							
		16 = number of hours exceeded 70 dB(A)																						
1834	LV	2,705	3,382	2,648	2,499	2,370	2,428	2,013	2,370	2,355	2,451	2,508	2,683	2,976	2,772	2,582	2,405	3,078	2,441	2,519				
	HV	1,252	1,718	1,805	1,974	1,856	1,740	1,766	1,865	1,931	1,717	1,362	1,082	885	833	783	737	1,730	1,279	1,444				
	SPD	40.0	40.0	40.0	42.5	42.5	42.5	42.5	42.5	42.5	43.5	43.5	43.5	43.5	43.5	42.5	42.5	40	44	43				
	total	3967	5100	4454	4473	4226	4169	3779	4234	4286	4169	3870	3754	3861	3604	3365	3141							
	% HV	32	34	41	44	44	42	47	44	45	41	35	29	23	23	23	23							
	BNL	78	79	79	79	78	78	78	78	78	79	78	78	78	78	77	77							
	% HV	3	3	4	4	4	4	4	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	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	Average Level over 16 hr					
	Surface	i	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	82.2					
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)		81.6	82.9	83.0	83.4	83.1	82.9	82.8	83.1	83.3	82.8	82.0	81.1	80.5	80.2	79.9	79.7							
HKPSG Exceedances		11.6	12.9	13.0	13.4	13.1	12.9	12.8	13.1	13.3	12.8	12.0	11.1	10.5	10.2	9.9	9.7							
		16 = number of hours exceeded 70 dB(A)																						
2001	LV	9,887	11,022	11,957	10,170	9,363	9,749	8,088	10,541	9,753	10,475	11,049	11,804	12,198	10,805	9,571	8,477	10,527	10,956	10,185				
	HV	2,342	2,382	3,259	4,255	4,438	3,776	3,894	4,117	4,484	3,968	2,734	2,210	1,533	1,025	685	458	2,539	2,546	2,919				
	SPD	44.5	44.5	44.5	46.0	46.0	46.0	46.0	46.0	46.0	43.5	43.5	43.5	43.5	43.5	46.0	46.0	45	44	46				
	total	12229	13404	15216	14426	13801	13525	11983	14658	14237	14443	13783	14014	13731	11829	10255	8935							
	% HV	19	18	21	29	32	28	33	28	31	27	20	16	11	9	7	5							
	BNL	83	83	84	84	84	84	83	84	84	84	84	84	84	84	83	82							
	% HV	2	1	2	3	3	3	3	3	3	3	2	1	0	0	0	0							
	Gradient	0	0	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													

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2006CTS3(815100)MAIN MODEL RUN-V107 SCII Prac Med Budget Toll with New Bus

Future Year Hourly Profile of Traffic Volume and Speed																		Model Output			
2006CTS3(815100)MAIN MODEL RUN-V107 SCII Prp Mac Budget Toll with 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				
2002	LV	2,037	2,544	2,008	1,593	1,478	1,732	1,703	1,684	1,719	1,842	2,191	2,433	2,384	2,475	2,569	2,667	2,426	2,221	1,994	
	HV	639	833	1,066	1,160	1,141	1,107	1,134	1,053	1,045	908	784	753	649	514	406	322	866	770	852	
	SPD	41.0	41.0	41.0	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	41	43	43	
	total	2676	3376	3074	2752	2619	2839	2837	2737	2763	2750	2976	3185	3033	2988	2975	2989				
	% HV	24	25	35	42	44	39	40	38	38	33	26	24	21	17	14	11				
	BNL	76	77	77	77	76	77	77	77	77	77	77	77	77	77	77	77				
	% HV	2	2	3	4	4	4	4	4	4	3	2	2	2	1	1	0				
	Gradient	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3				
	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 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				
Facade Noise Levels dB(A)		77.9	79.0	79.8	80.0	79.9	79.9	79.9	79.7	79.6	79.1	78.7	78.7	78.1	77.4	76.8	76.2				
HKPSG Exceedances		16	= number of hours exceeded 70 dB(A)																1,107	1,124	959
2003	LV	865	1,161	938	766	711	833	819	810	827	897	1,109	1,201	1,148	1,190	1,236	1,283	1,107	1,124	959	
	HV	266	355	447	478	470	456	467	434	430	380	344	320	287	212	167	132	369	338	351	
	SPD	43.0	43.0	43.0	46.5	48.5	46.5	46.5	46.5	46.5	45.0	45.0	45.0	45.0	48.5	46.5	46.5	43	45	47	
	total	1231	1616	1385	1244	1181	1289	1286	1244	1257	1277	1453	1520	1414	1402	1403	1415				
	% HV	22	23	32	38	40	35	36	35	34	30	24	21	19	15	12	9				
	BNL	73	74	74	73	73	73	73	73	73	73	74	74	74	74	74	74				
	% HV	2	2	3	4	4	4	4	4	4	3	2	2	2	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 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				
Facade Noise Levels dB(A)		73.4	74.5	75.2	75.4	75.3	75.3	75.4	75.1	75.1	74.6	74.5	74.3	73.7	73.1	72.5	71.9				
HKPSG Exceedances		3.4	4.5	5.2	5.4	5.3	5.3	5.4	5.1	5.1	4.6	4.5	4.3	3.7	3.1	2.5	1.9				
		16	= number of hours exceeded 70 dB(A)																		
2004	LV	2,037	2,544	2,008	1,593	1,478	1,732	1,703	1,684	1,719	1,842	2,191	2,433	2,384	2,475	2,569	2,667	2,426	2,221	1,994	
	HV	639	833	1,066	1,160	1,141	1,107	1,134	1,053	1,045	908	784	753	649	514	406	322	866	770	852	
	SPD	41.0	41.0	41.0	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	41	43	43	
	total	2676	3376	3074	2752	2619	2839	2837	2737	2763	2750	2976	3185	3033	2988	2975	2989				
	% HV	24	25	35	42	44	39	40	38	38	33	26	24	21	17	14	11				
	BNL	76	77	77	77	76	77	77	77	77	77	77	77	77	77	77	77				
	% HV	2	2	3	4	4	4	4	4	4	3	2	2	2	1	1	0				
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	Distance	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21				
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
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				
Facade Noise Levels dB(A)		77.0	78.1	78.9	79.1	79.0	79.0	79.0	78.8	78.7	78.2	77.8	77.8	77.2	76.5	75.9	75.3				
HKPSG Exceedances		7.0	8.1	8.9	9.1	9.0	9.0	8.8	8.7	8.2	7.8	7.8	7.2	6.5	5.9	5.3					
		16	= number of hours exceeded 70 dB(A)																		
2005	LV	2,133	2,467	2,036	2,020	1,915	1,963	1,827	1,915	1,904	1,994	2,088	2,198	2,405	2,240	2,087	1,944	2,245	2,032	2,036	
	HV	1,219	1,642	1,737	1,915	1,801	1,688	1,713	1,809	1,874	1,690	1,406	1,080	859	808	760	715	1,653	1,320	1,401	
	SPD	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20	20	20	
	total	3352	4108	3773	3935	3716	3651	3341	3724	3777	3684	3493	3278	3264	3048	2846	2658				
	% HV	36	40	46	49	48	46	51	49	50	46	40	33	26	27	27	27				
	BNL	77	78	78	78	78	78	77	78	78	78	78	78	77	77	77	76				
	% HV	5	6	6	6	6	6	6	6	6	6	5	5	4	4	4	4				
	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				
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				
Facade Noise Levels dB(A)		80.9	82.2	82.4	82.8	82.5	82.3	82.3	82.5	82.7	82.3	81.5	80.5	79.6	79.3	79.0	78.8				
HKPSG Exceedances		10.9	12.2	12.4	12.8	12.5	12.3	12.3	12.5	12.7	12.3	11.5	10.5	9.6	9.3	9.0	8.8				
		16	= number of hours exceeded 70 dB(A)																		
2009	LV	2,599	3,232	2,665	2,083	1,920	1,917	1,931	1,987	2,307	2,140	2,230	3,009	3,205	2,506	1,960	1,533	2,784	2,216	2,278	
	HV	953	1,023	1,044	1,035	1,092	1,061	1,037	1,055	1,113	1,078	747	841	808	586	424	308	991	740	894	
	SPD	35.8	35.8	35.8	38.3	38.3	38.3	38.3	38.3	40.3	40.3	40.3	40.3	40.3	38.3	38.3	38.3	36	40	38	
	total	3552	4255	3709	3118	3012	2978	2968	3041	3420	3218	2977	3851	4014	3092	2384	1840				
	% HV	27	24	28	33	36	36	35	35	33	33	25	22	20	19	18	17				
	BNL	78	78	78	77	77	77	77	77	77	77	77	78	78	77	76	75				
	% HV	2	2	3	3	3	3	3	3	3	3	2	2	2	2	1	1				
	Gradient	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6				
	Distance	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10				
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
Angle	160 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				
Facade Noise Levels dB(A)		82.9	83.3	83.3	83.1	83.3	83.2	83.1	83.1	83.4	83.3	82.0	82.7	82.6	81.2	79.9	78.6				
HKPSG Exceedances		12.9	13.3	13.3	13.1	13.3	13.2	13.1	13.1	13.4	13.3	12.0	12.7	12.6	11.2	9.9	8.6				
		16	= number of hours exceeded 70 dB(A)																		
2019	LV	838	1,291	1,413	1,125	1,076	1,234	1,124	1,223	1,316	1,332	1,490	1,620	1,750	1,316	990	745	1,221	1,492	1,211	
	HV	320	366	472	531	584	526	564	511	534	501	377	387	440	305	211	146	359	363	441	
	SPD	28.0	28.0	28.0	27.0	27.0	27.0	27.0	27.0	27.0	26.0	26.0	26.0	26.0	27.0	27.0	27.0	28	26	27	
	total	1158	1658	1885	1656	1660	1760	1668	1734	1850	1834	1867	2008	2190	1621	1201	891				
	% HV	28	22	25	32	35	30	33	29	29	27	20	19	20	19	18	16				
	BNL	73	74	75	74	74	75	74	75	74	75	75	75	76	74	73	72				
	% HV	3	2	2	3	4	3	4	3	3	3	2	2	2	1	1	1				
	Gradient	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8				
	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 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				
Facade Noise Levels dB(A)		76.0	76.7	77.7	78.2	78.5	78.2	78.4	78.0	78.2	78.1	77.1	77.3	77.8	76.2	74.6	73.1				
HKPSG Exceedances		6.0	6.7	7.7	8.2	8.5	8.2	8.4	8.0	8.2	8.1	7.1	7.3	7.8	6.2	4.6	3.1				
		16	= number of hours exceeded 70 dB(A)																		

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2006CTS3(815100)MAIN MODEL RUN-V107 SCII Prac Med Budget Toll with New Bus

		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	1,893	2,069	2,020	1,954	1,943	1,844	1,746	2,044	2,108	2,142	2,223	2,703	2,485	1,985	1,586	1,267	1,847	2,210	1,993			
	HV	871	1,191	1,412	1,670	1,647	1,508	1,411	1,599	1,749	1,809	1,371	1,294	926	845	450	313	1,195	1,343	1,218			
	SPD	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	28.5	28.5	28.5	29.5	29.5	29.5	29.5	30	29	30			
	total	2764	3260	3433	3624	3590	3352	3157	3643	3857	3751	3594	3997	3411	2631	2035	1580						
	% HV	32	37	41	46	46	45	45	44	45	43	38	32	27	25	22	20						
	BNL	77	77	78	78	78	77	77	78	78	78	78	78	78	78	76	75	74					
	% HV	3	4	4	5	5	4	4	4	5	4	4	3	3	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	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0					
Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5						
Facade Noise Levels dB(A)		80.7	82.0	82.7	83.3	83.3	82.9	82.6	83.2	83.6	83.3	82.7	82.5	81.2	79.6	78.1	76.7	Average Level over 16 hr					
HKPSG Exceedances		10.7	12.0	12.7	13.3	13.3	12.9	12.6	13.2	13.6	13.3	12.7	12.5	11.2	9.6	8.1	6.7						
		16	= number of hours exceeded 70 dB(A)																				
3204	LV	4,869	5,426	4,887	4,621	2,976	2,728	2,512	2,808	3,510	4,769	3,939	4,980	3,982	2,817	3,453	3,288	4,827	4,239	3,656			
	HV	1,883	2,300	2,639	3,038	3,772	3,289	3,243	3,963	3,761	3,214	2,860	2,873	2,469	1,568	988	921	2,244	2,706	2,732			
	SPD	44.0	44.0	44.0	47.5	47.5	47.5	47.5	47.5	47.5	42.0	42.0	42.0	42.0	47.5	47.5	47.5	44	42	48			
	total	6752	7726	7526	7659	6748	6017	5755	6771	7271	7983	6799	7854	6451	4414	4442	4210						
	% HV	28	30	35	40	56	55	56	59	52	40	42	37	38	36	22	22						
	BNL	80	81	81	81	80	80	80	80	81	81	81	81	80	79	79	78						
	% HV	3	3	3	4	5	5	5	5	5	4	4	4	4	4	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					
Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5						
Facade Noise Levels dB(A)		86.0	86.8	87.3	87.9	88.6	88.0	87.9	88.8	88.6	87.9	87.4	87.5	86.8	85.2	83.6	83.3	Average Level over 16 hr					
HKPSG Exceedances		16.0	16.8	17.3	17.9	18.6	18.0	17.9	18.8	18.6	17.9	17.4	17.5	16.8	15.2	13.6	13.3						
		16	= number of hours exceeded 70 dB(A)																				
3212	LV	3,221	3,782	3,849	3,546	3,687	3,902	3,644	3,902	3,819	4,028	3,591	4,154	4,335	3,674	3,114	2,639	3,680	3,528	3,702			
	HV	1,920	2,056	2,346	2,518	2,495	2,655	2,534	2,490	2,729	2,536	2,430	2,197	1,769	1,261	898	640	2,148	2,337	2,050			
	SPD	36.0	36.0	36.0	38.0	38.0	38.0	38.0	38.0	38.0	37.0	37.0	37.0	37.0	38.0	38.0	38.0	36	37	38			
	total	5141	5838	6195	6067	6182	6556	6178	6392	6548	6564	6021	6350	6103	4934	4012	3279						
	% HV	37	35	38	42	40	40	41	39	42	39	40	35	29	26	22	20						
	BNL	79	80	80	80	80	80	80	80	80	80	80	80	80	79	78	77						
	% HV	4	3	4	4	4	4	4	4	4	4	4	3	3	2	2	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	-1					
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0					
Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5						
Facade Noise Levels dB(A)		84.2	84.5	85.0	85.3	85.3	85.5	85.3	85.3	85.6	85.4	85.2	84.8	84.0	82.7	81.4	80.0	Average Level over 16 hr					
HKPSG Exceedances		14.2	14.5	15.0	15.3	15.3	15.5	15.3	15.3	15.6	15.4	15.2	14.8	14.0	12.7	11.4	10.0						
		16	= number of hours exceeded 70 dB(A)																				
3214	LV	1,666	1,887	3,157	2,496	1,443	2,642	1,821	3,469	1,832	2,470	3,364	2,593	2,918	3,209	3,355	3,112	2,442	3,056	2,529			
	HV	927	1,190	1,525	2,256	2,358	1,845	2,409	1,743	2,245	1,772	1,245	1,288	739	496	389	558	1,228	1,285	1,487			
	SPD	22.5	22.5	22.5	21.0	21.0	21.0	21.0	21.0	20.5	20.5	20.5	20.5	20.5	21.0	21.0	21.0	23	21	21			
	total	2593	3077	4682	4753	3800	4487	4030	5212	4077	4243	4609	3881	3657	3706	3745	3671						
	% HV	36	39	33	47	62	41	60	33	55	42	27	33	20	13	10	15						
	BNL	76	77	79	79	78	79	78	79	78	78	79	78	78	78	78	78						
	% HV	4	5	4	6	7	5	7	4	6	5	4	4	3	1	0	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					
Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5						
Facade Noise Levels dB(A)		81.1	82.1	83.3	85.1	85.2	84.3	85.3	84.1	85.0	84.2	82.9	82.9	80.8	79.3	78.6	79.7	Average Level over 16 hr					
HKPSG Exceedances		11.1	12.1	13.3	15.1	15.2	14.3	15.3	14.1	15.0	14.2	12.9	12.9	10.8	9.3	8.6	9.7						
		16	= number of hours exceeded 70 dB(A)																				
3219	LV	994	868	852	935	917	995	870	1,075	946	936	883	1,285	1,360	1,074	849	670	828	877	1,014			
	HV	367	351	457	571	617	562	594	606	531	591	579	385	235	169	121	87	372	556	416			
	SPD	45.5	45.5	45.5	43.0	43.0	43.0	43.0	43.0	42.0	42.0	42.0	42.0	42.0	43.0	43.0	43.0	46	42	43			
	total	1361	1020	1310	1506	1535	1557	1464	1680	1478	1527	1462	1669	1595	1243	970	758						
	% HV	27	34	35	38	40	36	41	36	36	39	40	23	15	14	13	12						
	BNL	74	72	73	74	74	74	74	74	74	74	74	74	74	73	72	71						
	% HV	3	3	4	4	4	4	4	4	4	4	4	2	1	1	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	-1					
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0					
Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5						
Facade Noise Levels dB(A)		76.6	76.2	77.3	78.1	78.4	78.1	78.2	78.4	77.8	78.2	78.1	76.8	75.3	74.1	72.8	71.5	Average Level over 16 hr					
HKPSG Exceedances		6.6	6.2	7.3	8.1	8.4	8.1	8.2	8.4	7.8	8.2	8.1	6.8	5.3	4.1	2.8	1.5						
		16	= number of hours exceeded 70 dB(A)																				
3223	LV	3,067	4,408	4,072	4,019	3,546																	

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2006CTS3(815100)MAIN MODEL RUN-V107 SCII Prac Med Budget Toll with New Bus

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

Model Output

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
3224	LV	357	486	475	523	543	533	520	597	841	554	497	670	877	877	878	879	457	518	656
	HV	404	469	508	511	518	494	531	502	518	530	506	460	419	350	292	243	463	490	447
	SPD	31.5	31.5	31.5	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	32	31	31
	total	761	956	983	1033	1080	1027	1051	1099	1160	1085	1003	1130	1295	1227	1170	1123			
	% HV	53	49	52	49	49	48	51	46	45	49	50	41	32	28	25	22			
	BNL	71	72	72	72	72	72	72	73	73	73	72	73	73	73	73	73			
	% HV	5	5	5	5	5	5	5	4	4	5	5	4	3	3	2	2			
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10			
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	Average Level over 16 hr		
3225	LV	452	822	666	594	618	605	590	578	728	576	764	879	996	997	997	998	772	797	745
	HV	726	788	893	934	947	904	972	919	948	952	853	810	766	840	834	845	778	826	818
	SPD	26.0	26.0	26.0	26.5	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	26	27
	total	1177	1810	1559	1528	1564	1509	1562	1597	1677	1628	1618	1689	1762	1636	1531	1444			
	% HV	62	49	57	61	61	60	62	58	57	58	53	48	43	39	35	31			
	BNL	73	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74			
	% HV	6	5	6	6	6	6	6	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	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	Average Level over 16 hr		
3230	LV	526	626	712	716	658	685	724	745	825	733	507	745	850	686	548	437	607	541	658
	HV	274	319	441	480	461	462	412	506	483	434	380	337	268	201	150	112	329	372	358
	SPD	26.0	26.0	26.0	25.0	25.0	25.0	25.0	25.0	25.0	26.0	26.0	26.0	26.0	25.0	25.0	25.0	26	26	25
	total	800	945	1153	1177	1119	1148	1138	1251	1308	1167	887	1082	1128	887	698	550			
	% HV	34	34	38	39	41	40	36	40	37	37	43	31	24	23	22	20			
	BNL	71	72	73	73	73	73	73	73	73	73	72	73	73	72	71	70			
	% HV	4	4	4	4	5	4	4	4	4	4	5	3	2	2	2	2			
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10			
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	Average Level over 16 hr		
3231	LV	897	1387	1323	1121	1030	1072	1133	1165	1290	1210	1029	1307	1345	1074	857	684	1344	1098	1092
	HV	498	600	810	827	829	830	740	909	867	786	704	614	481	360	270	202	619	689	643
	SPD	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28	28	28
	total	1395	1987	2133	1948	1858	1903	1873	2075	2158	1996	1733	1921	1826	1434	1127	866			
	% HV	36	30	38	42	45	44	40	44	40	39	41	32	26	25	24	23			
	BNL	74	75	75	75	75	75	75	75	76	75	75	75	75	74	73	72			
	% HV	4	3	4	4	5	4	4	4	4	4	4	3	3	2	2	2			
	Gradient	6	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
	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	Average Level over 16 hr		
3232	LV	598	559	509	596	580	580	551	601	622	582	881	861	843	703	671	638	501	859	846
	HV	274	247	394	415	453	392	373	390	423	396	267	303	218	144	147	116	274	283	318
	SPD	32.0	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	30	32
	total	872	805	903	1011	1013	972	923	991	1045	1079	1148	1164	1060	847	818	754			
	% HV	31	31	44	41	45	40	40	39	40	37	23	26	21	17	18	15			
	BNL	72	71	72	72	72	72	72	72	72	73	73	73	73	72	71	71			
	% HV	3	3	4	4	4	4	4	4	4	4	2	2	2	1	1	1			
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12			
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	Average Level over 16 hr		
3233	LV	822	930	741	781	734	760	721	787	815	865	1017	1058	1104	921	878	835	834	991	846
	HV	473	464	697	696	760	658	626	654	710	687	511	542	365	242	247	195	516	542	534
	SPD	21.0	21.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	21	19	20
	total	1295	1394	1437	1477	1494	1418	1347	1442	1525	1552	1527	1600	1469	1162	1125	1030			
	% HV	36	33	48	47	51	46	46	45	47	44	33	34	25	21	22	19			
	BNL	73	74	74	74	74	74	74	74	74	74	74	74	74	73	73	72			
	% HV	5	4	6	6	6	6	6	6	6	6	5	5	3	3	3	2			
	Gradient	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
	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	Average Level over 16 hr		

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2006CTS3(815100)MAIN MODEL RUN-V107 SCII Prac Med Budget Toll with New Bus

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

Model Output

Stn.		Hour Start / 2-way Hourly Traffic Volume (veh.) or Speed (km/hr)																Model Output		
		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	AM	PM	OP
3235	LV	1,698	1,796	1,616	1,246	1,100	1,248	1,142	1,194	1,207	1,222	1,406	1,535	1,769	1,446	1,182	966	1,631	1,360	1,323
	HV	869	678	823	722	756	728	758	744	882	771	753	681	685	472	335	238	689	703	675
	SPD	44.5	44.5	44.5	46.5	46.5	46.5	46.5	46.5	46.0	46.0	46.0	46.0	46.0	46.5	46.5	46.5	45	46	47
	total	2567	2474	2439	1968	1855	1975	1900	1938	2089	1993	2159	2216	2433	1917	1516	1203			
	% HV	34	27	34	37	41	37	40	38	42	39	35	31	27	25	22	20			
	BNL	76	76	76	75	75	75	75	75	75	76	76	76	76	75	74	73			
	% HV	3	3	3	4	4	4	4	4	4	4	4	3	3	2	2	2			
	Gradient	6	Gradient	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
	Distance	15	Distance	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	Average Level over 16 hr		
3402	LV	1,312	1,835	1,728	1,732	1,528	1,771	1,562	1,779	1,734	1,699	1,628	2,128	1,835	1,551	1,311	1,108	1,633	1,695	1,642
	HV	434	565	719	944	934	839	888	867	849	883	832	630	439	369	310	260	547	616	682
	SPD	27.8	27.8	27.8	28.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	28	27	27
	total	1746	2400	2447	2676	2462	2609	2548	2647	2583	2581	2260	2758	2274	1920	1621	1366			
	% HV	25	24	29	35	38	32	35	33	33	34	28	23	19	19	19	19			
	BNL	75	76	75	76	76	76	76	76	76	76	76	77	76	75	74	74			
	% HV	2	2	3	4	4	3	4	3	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			
	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	Average Level over 16 hr		
3403	LV	1,154	1,549	1,502	1,539	1,358	1,574	1,477	1,581	1,542	1,556	1,651	2,012	1,831	1,379	1,165	985	1,378	1,719	1,459
	HV	438	574	727	951	941	845	893	874	855	901	879	653	443	372	312	262	558	661	687
	SPD	33.0	33.0	33.0	30.5	30.5	30.5	30.5	30.5	30.5	30.5	28.0	28.0	28.0	30.5	30.5	30.5	33	28	31
	total	1592	2124	2229	2490	2299	2419	2370	2455	2397	2457	2330	2665	2073	1750	1477	1247			
	% HV	28	27	33	38	41	35	38	36	36	37	29	24	21	21	21	21			
	BNL	74	75	76	76	76	76	76	76	76	76	76	76	75	75	74	73			
	% HV	3	2	3	4	4	3	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			
	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	Average Level over 16 hr		
3404	LV	478	579	605	653	576	668	627	671	654	639	605	797	692	585	494	418	515	530	619
	HV	269	337	440	590	583	524	554	542	530	550	389	391	275	230	193	162	326	379	426
	SPD	43.0	43.0	43.0	37.5	37.5	37.5	37.5	37.5	37.5	40.5	40.5	40.5	40.5	40.5	37.5	37.5	43	41	38
	total	747	916	1046	1243	1159	1192	1180	1213	1184	1188	994	1188	966	815	688	580			
	% HV	36	37	42	47	50	44	47	45	45	46	39	33	28	28	28	28			
	BNL	71	72	72	73	73	73	73	73	73	73	73	73	72	71	71	70			
	% HV	4	4	4	4	4	4	4	4	4	4	4	4	3	3	3	3			
	Gradient	6	Gradient	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
	Distance	21	Distance	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3			
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	Average Level over 16 hr		
3405	LV	4,636	4,946	4,597	4,446	2,863	2,625	2,417	2,701	3,377	4,507	3,503	4,619	3,830	2,710	3,322	3,163	4,400	3,770	3,517
	HV	1,770	2,227	2,504	2,830	3,515	3,064	3,021	3,693	3,504	2,994	2,660	2,675	2,300	1,489	921	859	2,173	2,516	2,546
	SPD	43.3	43.3	43.3	46.0	46.0	46.0	46.0	46.0	46.0	45.0	45.0	45.0	45.0	45.0	46.0	46.0	43	45	46
	total	6406	7173	7100	7276	6377	5689	5438	6394	6881	7500	6162	7293	6131	4198	4243	4022			
	% HV	28	31	35	39	55	54	56	58	51	40	43	37	38	35	22	21			
	BNL	80	81	81	81	80	80	80	80	81	81	80	81	80	78	78	78			
	% HV	3	3	3	4	5	5	5	5	5	4	4	4	4	4	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	Average Level over 16 hr		
3406	LV	3,420	3,181	2,143	2,051	1,864	1,772	1,973	2,150	2,334	2,318	2,840	3,439	3,036	2,699	2,399	2,132	2,586	2,854	2,403
	HV	811	857	1,090	1,339	1,251	1,120	1,271	1,332	1,266	1,225	1,041	1,031	944	705	527	393	826	1,033	1,036
	SPD	62.0	62.0	62.0	64.0	64.0	64.0	64.0	64.0	64.0	62.0	62.0	62.0	62.0	64.0	64.0	64.0	62	62	64
	total	4231	4019	3233	3390	3115	2892	3244	3482	3600	3544	3881	4470	3980	3404	2926	2526			
	% HV	19	21	34	39	40	39	39	38	35	35	27	23	24	21	18	16			
	BNL	78	78	77	78	77	77	77	78	78	78	78	78	78	78	77	76			
	% HV	3	3	4	5	5	5	5	5	5	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	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3			
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	Average Level over 16 hr		

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2006CTS3(815100)MAIN MODEL RUN-V107 SCII Prac Med Budget Toll with New Bus

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

Model Output

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
3412	LV	605	656	705	683	710	751	702	751	736	752	583	746	835	708	600	508	538	573	713
	HV	747	853	933	957	948	1,009	963	946	1,037	962	918	832	672	479	341	243	891	883	779
	SPD	24.5	24.5	24.5	25.5	25.5	25.5	25.5	25.5	25.5	25.0	25.0	25.0	25.0	25.5	25.5	25.5	25	25	26
	total	1352	1509	1639	1640	1658	1760	1665	1698	1773	1714	1501	1579	1507	1187	941	752			
	% HV	55	57	57	58	57	57	58	56	59	56	61	53	45	40	36	32			
	BNL	74	74	74	74	74	75	74	74	75	74	74	74	74	73	72	71			
	% HV	6	6	6	6	6	6	6	6	6	6	6	6	5	4	4	4			
	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		
3422	LV	831	1,314	1,176	930	951	919	916	999	1,012	1,005	960	1,037	1,098	987	995	1,009	1,276	968	977
	HV	456	646	673	796	743	791	725	692	712	726	736	750	636	512	446	412	606	738	648
	SPD	22.0	22.0	22.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	22	23	23
	total	1287	1960	1849	1726	1694	1710	1641	1691	1724	1731	1696	1787	1734	1499	1441	1421			
	% HV	35	33	36	46	44	46	44	41	41	42	43	42	37	34	31	29			
	BNL	73	75	75	75	74	75	74	74	75	75	74	75	75	74	74	74			
	% HV	4	4	4	5	5	5	5	5	5	5	5	5	4	4	4	3			
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	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		
3423	LV	1,661	2,287	2,235	1,962	2,006	1,939	1,933	2,108	2,135	2,149	2,137	2,247	2,317	2,082	2,100	2,130	2,220	2,154	2,062
	HV	519	807	790	681	822	875	803	766	788	800	803	824	704	566	493	456	757	805	717
	SPD	23.0	23.0	23.0	24.5	24.5	24.5	24.5	24.5	24.5	23.0	23.0	23.0	23.0	23.0	24.5	24.5	23	23	25
	total	2179	3094	3024	2643	2829	2814	2736	2874	2923	2950	2940	3071	3021	2649	2594	2586			
	% HV	24	26	26	31	29	31	29	27	27	27	27	27	23	21	19	18			
	BNL	75	77	77	77	77	77	77	77	77	77	77	77	77	76	76	76			
	% 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	-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		
3425	LV	3,017	4,328	4,003	3,955	3,489	4,043	3,795	4,062	3,960	3,850	3,591	4,783	4,189	3,541	2,994	2,531	3,850	3,739	3,748
	HV	1,045	1,373	1,736	2,268	2,244	2,015	2,130	2,085	2,040	2,142	1,594	1,546	1,056	887	744	625	1,329	1,552	1,639
	SPD	30.0	30.0	30.0	27.0	27.0	27.0	27.0	27.0	27.0	28.5	28.5	28.5	28.5	27.0	27.0	27.0	30	29	27
	total	4062	5701	5739	6223	5733	6058	5925	6147	6000	5992	5185	6329	5245	4428	3738	3155			
	% HV	26	24	30	36	39	33	36	34	34	36	31	24	20	20	20	20			
	BNL	78	80	80	80	80	80	80	80	80	80	80	79	80	79	79	78			
	% HV	2	2	3	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	-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		
3431	LV	2,603	2,299	1,811	1,578	1,433	1,363	1,517	1,654	1,795	1,747	1,990	2,534	2,335	2,076	1,845	1,640	1,953	2,000	1,848
	HV	584	672	804	946	884	792	898	941	894	872	759	739	667	498	372	278	647	753	732
	SPD	41.0	41.0	41.0	42.5	42.5	42.5	42.5	42.5	42.5	41.0	41.0	41.0	41.0	42.5	42.5	42.5	41	41	43
	total	3187	2970	2415	2524	2318	2154	2415	2595	2689	2619	2749	3273	3002	2574	2217	1918			
	% HV	18	23	33	37	38	37	37	36	33	33	28	23	22	19	17	14			
	BNL	77	77	76	76	76	76	76	76	76	76	77	77	77	76	76	75			
	% HV	1	1	1	1	1	1	1	1	1	1	1	1	1	1	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		
3433	LV	526	626	712	716	658	685	724	745	825	733	507	745	860	686	548	437	607	541	698
	HV	274	319	441	460	461	462	412	506	483	434	380	337	268	201	150	112	329	372	358
	SPD	26.0	26.0	26.0	25.0	25.0	25.0	25.0	25.0	25.0	26.0	26.0	26.0	26.0	25.0	25.0	25.0	26	26	25
	total	800	945	1153	1177	1119	1148	1136	1251	1308	1167	887	1082	1128	887	698	550			
	% HV	34	34	38	39	41	40	36	40	37	37	43	31	24	23	22	20			
	BNL	71	72	73	73	73	73	73	73	73	73	73	72	73	72	71	70			
	% HV	4	4	4	4	5	4	4	4	4	4	5	3	2	2	2	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		

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2006CTS3(815100)MAIN MODEL RUN-V107 SCII Prac Med Budget Toll with New Bus

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

Str.		Hour Start / 2-way Hourly Traffic Volume (veh.) or Speed (km/hr)																Model Output			
		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	AM	PM	OP	
3434	LV	784	1,169	1,142	994	913	951	1,004	1,033	1,144	1,059	861	1,128	1,193	952	760	606	1,133	919	968	
	HV	419	537	695	584	586	687	612	752	718	654	594	513	398	298	223	167	554	582	532	
	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	1203	1706	1837	1678	1598	1638	1616	1785	1861	1713	1456	1641	1591	1250	983	773				
	% HV	35	31	36	41	43	42	38	42	39	38	41	31	25	24	23	22				
	BNL	73	75	75	74	74	74	74	75	75	75	74	74	74	73	72	71				
	% HV	4	3	4	4	4	4	4	4	4	4	4	3	2	2	2	2				
	Gradient	6	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2				
	Distance	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
	Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5			
	Facade Noise Levels dB(A)		79.5	80.7	81.7	81.5	81.5	81.5	81.1	81.9	81.8	81.4	80.9	80.4	79.5	78.3	77.0	75.8	Average Level over 16 hr		
	HKPSG Exceedances		9.6	10.7	11.7	11.5	11.5	11.5	11.1	11.9	11.8	11.4	10.9	10.4	9.5	8.3	7.0	5.8	80.8		
		16	= number of hours exceeded 70 dB(A)																		
	3436	LV	883	881	1,004	1,019	1,059	1,121	1,047	1,121	1,097	1,136	938	1,147	1,245	1,055	895	758	857	921	1,064
		HV	882	1,054	1,120	1,109	1,099	1,169	1,116	1,097	1,202	1,119	1,079	971	779	555	396	282	1,101	1,038	903
SPD		25.5	25.5	25.5	27.5	27.5	27.5	27.5	27.5	28.0	28.0	26.0	26.0	26.0	27.5	27.5	27.5	26	26	26	
total		1765	1935	2124	2129	2158	2290	2163	2218	2299	2255	2016	2118	2024	1611	1290	1040				
% HV		50	54	53	52	51	51	52	49	52	50	53	46	38	34	31	27				
BNL		75	75	75	75	76	76	76	76	76	76	75	75	75	74	73	72				
% HV		5	6	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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			
Surface		1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
Angle		160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5			
Facade Noise Levels dB(A)			80.3	81.0	81.3	81.1	81.0	81.3	81.1	81.0	81.4	81.3	81.1	80.7	79.8	78.3	76.9	75.5	Average Level over 16 hr		
HKPSG Exceedances			10.3	11.0	11.3	11.1	11.0	11.3	11.1	11.0	11.4	11.3	11.1	10.7	9.8	8.3	6.9	5.5	80.5		
		16	= number of hours exceeded 70 dB(A)																		
3450		LV	363	922	882	615	611	653	597	684	660	595	651	771	843	741	723	672	840	650	670
		HV	466	776	863	973	945	899	808	959	1,055	958	774	762	554	462	373	347	756	786	742
	SPD	20.0	20.0	20.0	20.5	20.5	20.5	20.5	20.5	20.5	20.0	20.0	20.0	20.0	20.5	20.5	20.5	20	20	21	
	total	829	1697	1745	1588	1557	1552	1403	1643	1715	1553	1425	1533	1397	1203	1096	1020				
	% HV	56	48	49	61	61	58	57	58	62	62	54	50	40	38	34	34				
	BNL	71	74	75	74	74	74	74	74	74	75	74	74	74	73	73	72				
	% HV	7	6	6	7	7	7	7	7	7	7	7	6	5	5	5	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	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
	Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5			
	Facade Noise Levels dB(A)		79.7	82.0	82.4	82.8	82.6	82.4	82.0	82.7	83.1	82.8	81.9	81.9	80.6	79.7	78.6	78.5	Average Level over 16 hr		
	HKPSG Exceedances		9.7	12.0	12.4	12.8	12.6	12.4	12.0	12.7	13.1	12.8	11.9	11.9	10.6	9.7	8.8	8.5	81.7		
		16	= number of hours exceeded 70 dB(A)																		
	3457	LV	352	376	261	249	237	260	272	281	299	312	352	358	334	238	246	235	336	355	276
		HV	128	145	253	271	256	241	241	250	233	223	207	173	96	64	50	37	174	208	176
SPD		34.0	34.0	34.0	35.5	35.5	35.5	35.5	35.5	35.5	33.5	33.5	33.5	33.5	35.5	35.5	35.5	34	34	36	
total		480	521	514	521	493	501	512	530	532	535	559	531	430	300	298	272				
% HV		27	28	49	52	48	47	47	47	44	42	37	33	22	21	17	14				
BNL		69	69	69	69	69	69	69	69	69	69	70	69	69	67	67	67				
% HV		2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3				
Gradient		6	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2				
Distance		5	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2				
Surface		1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
Angle		160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5			
Facade Noise Levels dB(A)			78.2	78.7	78.7	79.0	78.7	78.5	78.5	78.7	78.4	78.3	78.1	77.4	75.1	73.4	72.6	71.6	Average Level over 16 hr		
HKPSG Exceedances			6.2	6.7	6.7	9.0	8.7	8.5	8.5	8.7	8.4	8.3	8.1	7.4	5.1	3.4	2.6	1.6	77.4		
		16	= number of hours exceeded 70 dB(A)																		
3462		LV	1,405	1,456	1,382	1,356	873	801	737	824	1,030	1,375	1,069	1,409	1,169	827	1,013	985	1,295	1,150	1,073
		HV	435	650	651	657	816	711	701	857	814	707	670	644	534	346	214	199	634	634	591
	SPD	29.5	29.5	29.5	30.5	30.5	30.5	30.5	30.5	30.5	31.0	31.0	31.0	31.0	30.5	30.5	30.5	30	31	31	
	total	1840	2105	2033	2013	1689	1512	1439	1682	1844	2082	1739	2053	1703	1172	1227	1164				
	% HV	24	31	32	33	48	47	49	51	44	34	39	31	31	29	17	17				
	BNL	75	75	75	75	74	74	74	74	75	75	75	75	75	73	73	73				
	% HV	2	3	3	3	5	5	5	5	4	3	4	3	3	3	1	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	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
	Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5			
	Facade Noise Levels dB(A)		78.6	80.2	80.2	80.1	80.9	80.3	80.2	81.0	80.9	80.4	80.1	80.1	79.2	77.4	75.8	75.5	Average Level over 16 hr		
	HKPSG Exceedances		8.6	10.2	10.2	10.1	10.9	10.3	10.2	11.0	10.9	10.4	10.1	10.1	9.2	7.4	5.8	5.5	79.7		
		16	= number of hours exceeded 70 dB(A)																		
	3602	LV	2,251	3,128	2,959	2,976	2,825	3,042	2,855	3,056	2,980	2,929	2,845	3,684	3,152	2,664	2,253	1,904	2,783	2,962	2,820
		HV	810	1,025	1,331	1,774	1,755	1,576	1,666	1,631	1,585	1,669	1,224	1,200	826	693	582	489	992	1,192	1,282
SPD		59.5	59.5	59.5	57.0	57.0	57.0	57.0	57.0	57.0	58.0	58.0	58.0	58.0	57.0	57.0	57.0	60	58	57	
total		3061	4153	4290	4750	4380															

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2006CTS3(815100)MAIN MODEL RUN-V107 SCII Prac Med Budget Toll with New Bus

2006CTS3(815100)MAIN MODEL RUN-V107 SCII Prac Med Budget Toll with 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	590	1,231	1,347	1,064	1,058	1,129	1,033	1,183	1,142	991	937	1,230	1,457	1,282	1,251	1,183	1,122	935	1,159		
	HV	500	957	972	992	983	916	821	977	1,075	995	851	807	564	471	380	354	933	864	756		
	SPD	20.0	20.0	20.0	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	20	23	23		
	total	1090	2188	2319	2055	2021	2045	1854	2160	2217	1985	1788	2036	2022	1753	1631	1517					
	% HV	46	44	42	48	48	45	44	45	49	50	48	40	28	27	23	23					
	BNL	73	76	76	75	75	75	75	76	76	75	75	75	75	75	74	74					
	% HV	6	6	5	6	5	5	5	6	6	6	6	5	3	3	3	3					
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
	Distance	12	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1				
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0				
Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5					
Facade Noise Levels dB(A)		78.8	81.6	81.7	81.2	81.1	80.9	80.4	81.2	81.6	81.2	80.6	80.4	79.0	78.3	77.4	77.1					
HKPSG Exceedances		8.8	11.6	11.7	11.2	11.1	10.9	10.4	11.2	11.6	11.2	10.6	10.4	9.0	8.3	7.4	7.1					
		16 = number of hours exceeded 70 dB(A)																				
3621	LV	3,000	4,249	3,966	3,948	3,482	4,034	3,787	4,054	3,952	3,864	3,681	4,830	4,180	3,534	2,987	2,526	3,780	3,832	3,740		
	HV	1,057	1,389	1,755	2,293	2,289	2,038	2,153	2,108	2,062	2,168	1,621	1,567	1,068	896	752	631	1,344	1,578	1,657		
	SPD	30.0	30.0	30.0	29.5	29.5	29.5	29.5	29.5	29.5	30.0	30.0	30.0	30.0	29.5	29.5	29.5	30	30	30		
	total	4057	5638	5721	6239	5750	6072	5940	6161	6014	6032	5301	6398	5248	4430	3740	3157					
	% HV	26	25	31	37	39	34	36	34	34	36	31	24	20	20	20	20					
	BNL	78	80	80	80	80	80	80	80	80	80	80	79	80	79	79	78					
	% HV	2	2	3	4	4	3	4	3	3	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	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					
Facade Noise Levels dB(A)		81.7	82.9	83.8	84.8	84.8	84.4	84.6	84.5	84.4	84.6	83.4	83.5	82.0	81.2	80.5	79.7					
HKPSG Exceedances		11.7	12.9	13.8	14.8	14.8	14.4	14.6	14.5	14.4	14.6	13.4	13.5	12.0	11.2	10.5	9.7					
		16 = number of hours exceeded 70 dB(A)																				
3622	LV	3,000	4,249	3,966	3,948	3,482	4,034	3,787	4,054	3,952	3,864	3,681	4,830	4,180	3,534	2,987	2,526	3,780	3,832	3,740		
	HV	1,057	1,389	1,755	2,293	2,289	2,038	2,153	2,108	2,062	2,168	1,621	1,567	1,068	896	752	631	1,344	1,578	1,657		
	SPD	30.0	30.0	30.0	29.5	29.5	29.5	29.5	29.5	29.5	30.0	30.0	30.0	30.0	29.5	29.5	29.5	30	30	30		
	total	4057	5638	5721	6239	5750	6072	5940	6161	6014	6032	5301	6398	5248	4430	3740	3157					
	% HV	26	25	31	37	39	34	36	34	34	36	31	24	20	20	20	20					
	BNL	78	80	80	80	80	80	80	80	80	80	80	79	80	79	79	78					
	% HV	2	2	3	4	4	3	4	3	3	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	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					
Facade Noise Levels dB(A)		81.7	82.9	83.8	84.8	84.8	84.4	84.6	84.5	84.4	84.6	83.4	83.5	82.0	81.2	80.5	79.7					
HKPSG Exceedances		11.7	12.9	13.8	14.8	14.8	14.4	14.6	14.5	14.4	14.6	13.4	13.5	12.0	11.2	10.5	9.7					
		16 = number of hours exceeded 70 dB(A)																				
3623	LV	4,806	4,822	4,544	4,437	2,857	2,620	2,412	2,696	3,370	4,468	3,390	4,545	3,823	2,704	3,315	3,157	4,290	3,648	3,510		
	HV	1,630	2,126	2,332	2,577	3,201	2,790	2,751	3,363	3,191	2,723	2,409	2,430	2,095	1,356	839	782	2,075	2,279	2,318		
	SPD	26.5	26.5	26.5	26.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	27	29	29		
	total	6236	6949	6876	7014	6058	5410	5163	6059	6561	7191	5799	6975	5918	4060	4154	3939					
	% HV	26	31	34	37	53	52	53	56	49	38	42	35	35	33	20	20					
	BNL	80	81	81	81	80	80	79	80	80	81	80	81	80	78	78	78					
	% HV	3	3	4	4	5	5	5	5	5	4	4	4	4	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	-1.0				
Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5					
Facade Noise Levels dB(A)		83.8	84.8	85.2	85.4	86.2	85.6	85.5	86.4	86.2	85.6	85.1	85.2	84.5	82.7	81.0	80.7					
HKPSG Exceedances		13.8	14.8	15.2	15.4	16.2	15.6	15.5	16.4	16.2	15.6	15.1	15.2	14.5	12.7	11.0	10.7					
		16 = number of hours exceeded 70 dB(A)																				
3624	LV	1,649	1,728	1,627	1,588	1,022	937	863	965	1,206	1,582	1,154	1,591	1,368	968	1,186	1,130	1,637	1,242	1,256		
	HV	681	963	1,001	1,050	1,303	1,136	1,120	1,369	1,300	1,129	1,070	1,028	853	552	342	318	940	1,012	944		
	SPD	31.0	31.0	31.0	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	31	30	33		
	total	2330	2691	2628	2637	2326	2074	1984	2334	2505	2711	2224	2619	2221	1520	1528	1448					
	% HV	29	36	38	40	56	55	56	59	52	42	48	39	38	36	22	22					
	BNL	76	76	76	76	76	75	75	76	76	77	76	76	76	74	74	74					
	% HV	3	4	4	4	5	5	5	5	5	4	5	4	4	4	2	2					
	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	-1				
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0				
Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5					
Facade Noise Levels dB(A)		80.0	81.3	81.4	81.6	82.3	81.8	81.7	82.5	82.4	82.0	81.7	81.6	80.8	78.8	77.2	76.9					
HKPSG Exceedances		10.0	11.3	11.4	11.6	12.3	11.8	11.7	12.5	12.4	12.0	11.7	11.6	10.8	8.8							

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2006CTS3(815100)MAIN MODEL RUN-V107 SCII Prac Med Budget Toll with New Bus

Future Year Hourly Traffic Volume (veh.) or Speed (km/hr)																				Model Output		
2006CTS3(815100)MAIN MODEL RUN-V107 SCII Prac Med Budget Toll with 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			
3626	LV	864	1,437	1,232	1,181	1,226	1,204	1,174	1,348	1,449	1,327	1,445	1,704	1,980	1,982	1,984	1,986	1,350	1,507	1,482		
	HV	705	812	864	892	904	863	928	877	905	926	881	803	732	611	510	425	802	853	781		
	SPD	22.5	22.5	22.5	21.5	21.5	21.5	21.5	21.5	21.5	20.5	20.5	20.5	20.5	21.5	21.5	21.5	23	21	22		
	total	1569	2249	2116	2073	2130	2067	2102	2225	2354	2253	2327	2507	2712	2593	2494	2412					
	% HV	45	36	42	43	42	42	44	39	38	41	38	32	27	24	20	18					
	BNL	74	76	75	75	75	75	76	76	76	76	76	76	76	76	76	76					
	% HV	5	4	5	5	5	5	5	5	5	5	5	4	4	3	2	2					
Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
Distance	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0					
Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5					
Facade Noise Levels dB(A)		80.4	81.1	81.4	81.6	81.7	81.5	81.8	81.6	81.7	82.0	81.8	81.5	81.2	80.3	79.6	78.9					
HKPSG Exceedances		10.4	11.1	11.4	11.6	11.7	11.5	11.8	11.6	11.7	12.0	11.8	11.5	11.2	10.3	9.6	8.9					
16 = number of hours exceeded 70 dB(A)																						
3635	LV	1,210	1,778	1,753	1,541	1,415	1,474	1,557	1,602	1,773	1,597	1,167	1,648	1,849	1,476	1,178	940	1,723	1,245	1,501		
	HV	643	781	1,048	1,066	1,068	1,070	954	1,172	1,118	1,011	900	788	620	465	348	260	806	881	829		
	SPD	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31	31	31		
	total	1853	2559	2801	2607	2484	2544	2511	2774	2892	2608	2067	2436	2470	1940	1526	1200					
	% HV	35	31	37	41	43	42	38	42	39	39	44	32	25	24	23	22					
	BNL	75	76	77	76	76	76	76	77	77	76	75	76	76	75	74	73					
	% HV	3	3	4	4	4	4	4	4	4	4	4	3	2	2	2	2					
Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
Distance	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0					
Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5					
Facade Noise Levels dB(A)		79.3	80.2	81.4	81.4	81.4	81.4	80.9	81.8	81.6	81.2	80.6	80.2	79.4	78.2	76.9	75.7					
HKPSG Exceedances		9.3	10.2	11.4	11.4	11.4	10.9	11.8	11.6	11.2	10.6	10.2	9.4	8.2	6.9	5.7						
16 = number of hours exceeded 70 dB(A)																						
3636	LV	1,615	2,184	2,275	2,116	1,944	2,025	2,139	2,201	2,436	2,285	1,943	2,467	2,540	2,027	1,618	1,291	2,117	2,073	2,062		
	HV	984	1,248	1,625	1,610	1,613	1,617	1,441	1,771	1,689	1,534	1,384	1,201	937	702	525	393	1,287	1,355	1,262		
	SPD	21.5	21.5	21.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22	23	23		
	total	2599	3432	3901	3726	3558	3642	3580	3971	4125	3819	3327	3668	3477	2729	2143	1684					
	% HV	38	36	42	43	45	44	40	45	41	40	42	33	27	26	25	23					
	BNL	76	78	78	78	78	78	78	78	78	78	78	77	78	78	77	76					
	% HV	5	5	5	5	5	5	5	5	5	5	5	4	3	3	3	3					
Gradient	6	2	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	0					
Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0					
Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5					
Facade Noise Levels dB(A)		83.9	84.9	86.0	85.8	85.8	85.8	85.3	86.2	86.0	85.6	85.1	84.6	83.7	82.4	81.2	80.0					
HKPSG Exceedances		13.9	14.9	16.0	15.8	15.8	15.3	16.2	16.0	15.6	15.1	14.6	13.7	12.4	11.2	10.0						
16 = number of hours exceeded 70 dB(A)																						
3637	LV	1,892	2,179	1,714	1,787	1,679	1,739	1,650	1,802	1,964	1,994	2,396	2,456	2,525	2,107	2,010	1,912	1,954	2,335	1,936		
	HV	811	796	1,195	1,194	1,304	1,129	1,074	1,122	1,218	1,183	691	938	627	414	424	334	885	946	916		
	SPD	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	20.0	20.0	20.0	20.0	21.0	21.0	21.0	21	18	21		
	total	2703	2976	2909	2981	2983	2868	2724	2924	3082	3177	3267	3394	3152	2521	2434	2246					
	% HV	30	27	41	40	44	39	39	38	40	37	27	28	20	16	17	15					
	BNL	77	77	77	77	77	77	77	77	77	77	77	78	77	76	76	76					
	% HV	4	4	5	5	5	5	5	5	5	5	4	4	3	2	2	1					
Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
Distance	12	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1					
Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0					
Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5					
Facade Noise Levels dB(A)		80.9	80.8	82.4	82.4	82.7	82.2	81.9	82.1	82.5	82.6	81.5	81.7	80.2	78.4	77.5	75.4					
HKPSG Exceedances		10.9	10.8	12.4	12.4	12.7	12.2	11.9	12.1	12.5	12.6	11.5	11.7	10.2	8.4	6.4	7.5					
16 = number of hours exceeded 70 dB(A)																						
3641	LV	2,752	2,858	2,709	2,656	1,710	1,568	1,444	1,614	2,017	2,688	2,076	2,749	2,288	1,619	1,984	1,890	2,542	2,234	2,101		
	HV	897	1,093	1,267	1,448	1,798	1,567	1,545	1,889	1,792	1,507	1,255	1,323	1,177	761	471	439	1,087	1,187	1,302		
	SPD	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.5	38.5	38.5	38.5	38.0	38.0	38.0	38	39	38		
	total	3649	3951	3966	4103	3508	3135	2989	3503	3810	4195	3330	4072	3465	2380	2456	2329					
	% HV	25	28	32	35	51	50	52	54	47	36	38	32	34	32	19	19					
	BNL	78	78	78	78	78	77	77	78	78	78	77	78	78	76	76	76					
	% HV	2	3	3	3	5	5	5	5	4	3	4	3	3	3	1	1					
Gradient	6	2	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					
Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5					
Facade Noise Levels dB(A)		82.2	82.9	83.4	83.9	84.6	84.0	83.9	84.8	84.8	84.1	83.2	83.6	83.0	81.2	79.6	79.4					
HKPSG Exceedances		12.2	12.9	13.4	13.9	14.6	14.0	13.9	14.8	14.6	14.1	13.2	13.6	13.0	11.2	9.6	9.4					
16 = number of hours exceeded 70 dB(A)																						
3652	LV	265	478	390	350	364	357	348	400	430	425	565	586	587	588	588	589	449	590	440		
	HV	397	498	512	489	496	473	508	481	496	500	455	427	401	335	279	233	492	440	428		
	SPD	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24	24	24		
	total	662	976	902	839	859	830	857	881	926	926	1020	1014	988	923	868	822					
	% HV	60	51	57	58	58	57	59	55	54	54	45	42	41	36	32	28					
	BNL	70	72	72	71	72	71	72	72	72	72	72	72	72	72	72	71					
	% HV	6	5	6	6	6	6	6	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	0					
Distance	8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0					
Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5					
Facade Noise Levels dB(A)		78.2	79.2	79.3	79.1	79.2	79.0	79.3	79													

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2006CTS3(815100)MAIN MODEL RUN-V107 SCII Prac Med Budget Toll with New Bus

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

Model Output

Stn.		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	AM	PM	OP
3683	LV	1,103	1,420	1,234	1,093	1,087	1,032	977	1,144	1,179	1,161	1,056	1,411	1,391	1,111	887	709	1,258	1,050	1,115
	HV	594	916	1,003	1,093	1,078	987	924	1,046	1,145	1,070	964	876	606	422	294	205	919	944	797
	SPD	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20	20	20
	total	1697	2337	2237	2186	2165	2018	1900	2190	2324	2231	2020	2287	1998	1533	1181	914			
	% HV	35	39	45	50	49	49	48	49	48	48	48	38	30	28	25	22			
	BNL	74	76	76	76	76	75	75	76	76	75	76	75	74	73	72				
	% HV	5	5	6	6	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	-1.0	-1.0	-1.0	-1.0	-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		
3702	LV	7,279	6,090	5,728	4,584	3,735	3,433	3,399	4,226	3,873	4,062	4,615	6,217	5,936	4,844	3,633	2,842	5,285	4,591	4,561
	HV	1,708	1,407	1,756	1,839	1,953	1,661	2,043	2,369	2,216	2,196	1,830	1,756	1,369	1,050	806	618	1,355	1,796	1,685
	SPD	74.0	74.0	74.0	77.0	77.0	77.0	77.0	77.0	77.0	74.0	74.0	74.0	74.0	77.0	77.0	77.0	74	74	77
	total	8987	7497	7484	6422	5688	5094	5442	6595	6089	6257	6445	7973	7305	5694	4439	3460			
	% HV	19	19	23	29	34	33	38	36	35	28	22	19	18	18	18	18			
	BNL	82	81	81	80	80	79	80	80	80	80	80	81	81	80	79	78			
	% HV	3	3	4	5	5	5	6	5	5	5	5	4	3	4	4	4			
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8			
	Surface	-1.0	-1.0	-1.0	-1.0	-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		
3801	LV	4,063	4,589	4,548	4,492	4,105	4,453	4,093	4,581	4,674	4,429	4,746	5,304	5,366	4,678	5,127	5,417	4,453	4,678	4,695
	HV	1,733	1,343	1,756	1,919	2,228	1,881	2,100	2,252	2,189	2,173	1,657	1,433	1,025	873	671	579	1,360	1,651	1,642
	SPD	55.0	55.0	55.0	50.5	50.5	50.5	50.5	50.5	50.5	50.0	50.0	50.0	50.0	50.5	50.5	50.5	55	50	51
	total	5796	5933	6304	6410	6332	6333	6193	6834	6864	6602	6403	6737	6392	5551	5798	5996			
	% HV	30	23	28	30	35	30	34	33	32	33	28	21	16	16	12	10			
	BNL	80	80	80	80	80	80	80	81	81	80	80	80	80	80	80	80			
	% HV	3	3	3	3	4	3	4	4	3	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	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3			
	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		
3802	LV	1,228	1,714	1,616	1,621	1,430	1,657	1,556	1,665	1,623	1,595	1,543	2,003	1,717	1,452	1,227	1,038	1,525	1,607	1,537
	HV	562	754	938	1,212	1,199	1,077	1,138	1,114	1,090	1,150	871	835	565	474	398	334	730	848	876
	SPD	57.3	57.3	57.3	56.0	56.0	56.0	56.0	56.0	56.0	56.5	56.5	56.5	56.5	56.0	56.0	56.0	57	57	56
	total	1790	2468	2555	2834	2630	2735	2694	2780	2714	2745	2414	2837	2282	1926	1625	1371			
	% HV	31	31	37	43	46	39	42	40	40	42	36	29	25	25	24	24			
	BNL	75	76	76	77	76	77	77	77	77	77	76	77	76	75	74	74			
	% HV	4	4	4	5	5	4	5	4	5	5	4	4	3	3	3	3			
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	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	-1.0	Average Level over 16 hr		
	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	-0.5			
3803	LV	2,197	4,345	3,350	2,773	2,878	2,826	2,755	3,164	3,401	3,228	3,876	4,287	4,649	4,654	4,658	4,662	4,082	4,041	3,479
	HV	3,337	3,479	4,055	4,346	4,406	4,204	4,521	4,275	4,411	4,381	3,777	3,683	3,565	2,975	2,483	2,073	3,435	3,656	3,806
	SPD	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	44.0	44.0	44.0	44.0	45.0	45.0	45.0	45	44	45
	total	5534	7824	7405	7119	7284	7029	7275	7439	7813	7609	7553	7970	8214	7629	7141	6735			
	% HV	60	44	55	61	60	62	57	56	58	58	49	46	43	39	35	31			
	BNL	80	81	81	81	81	81	81	81	81	81	81	81	81	81	81	80			
	% HV	5	4	5	6	6	5	6	5	5	5	5	4	4	4	4	3			
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3			
	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		
3804	LV	3,541	3,937	3,563	3,212	2,550	2,606	2,436	2,909	2,959	3,281	3,717	4,233	3,789	3,274	2,843	2,469	3,686	3,871	3,074
	HV	2,377	2,528	3,375	4,062	3,883	4,008	3,690	4,200	4,147	3,852	2,934	2,531	1,960	1,499	1,147	877	2,581	2,803	3,013
	SPD	55.0	55.0	55.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	54.0	54.0	54.0	53.0	53.0	53.0	55	54	53
	total	5917	6465	6939	7274	6413	6614	6127	7109	7108	7133	6651	6764	5729	4773	3990	3346			
	% HV	40	39	49	56	60	61	60	59	58	54	44	37	34	31	29	28			
	BNL	80	80	81	81	80	80	80	81	81	81	80	81	81	80	79	78			
	% HV	4	4	5	6	6	6	6	6	6	5	5	4	4	4	3	3			
	Gradient	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
	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		

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2006CTS3(815100)MAIN MODEL RUN-V107 SCII Prac Med Budget Toll with New Bus

		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				
3806	LV	2,560	3,069	2,803	2,585	2,569	2,439	2,309	2,704	2,788	2,780	2,677	3,433	3,287	2,626	2,098	1,675	2,740	2,561	2,636				
	HV	1,370	1,934	2,245	2,601	2,565	2,349	2,198	2,490	2,724	2,498	2,109	2,004	1,442	1,005	700	488	1,940	2,066	1,897				
	SPD	67.0	67.0	67.0	69.0	69.0	69.0	69.0	69.0	67.0	67.0	67.0	67.0	67.0	69.0	69.0	69.0	67	67	69				
	total	3930	5003	5048	5185	5135	4787	4507	5194	5512	5279	4786	5436	4729	3631	2798	2163							
	% HV	35	39	44	50	50	49	49	48	49	47	44	37	30	28	25	23							
	BNL	78	79	79	79	79	79	79	79	80	79	79	80	79	78	77	76							
	% HV	5	5	5	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	0							
	Distance 20	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2							
	Surface 1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0							
Angle 160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5								
Facade Noise Levels dB(A)	81.4	82.8	83.3	83.9	83.9	83.5	83.5	83.2	83.8	84.2	83.7	83.0	83.0	81.8	80.5	79.1	77.7	82.8						
HKPSG Exceedances	11.4	12.8	13.3	13.9	13.9	13.5	13.5	13.2	13.8	14.2	13.7	13.0	13.0	11.8	10.5	9.1	7.7							
		16	# number of hours exceeded 70 dB(A)																					
3807	LV	2,512	2,792	2,469	2,103	2,063	2,237	1,957	2,416	2,128	2,214	2,592	3,226	3,057	2,415	1,908	1,507	2,623	2,574	2,280				
	HV	1,268	1,224	1,584	1,967	2,126	1,936	2,046	2,086	1,830	1,849	1,383	1,096	810	582	418	300	1,296	1,329	1,433				
	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	12	12	12				
	total	3780	4016	4053	4070	4189	4173	4002	4502	3958	4062	3975	4322	3868	2997	2326	1808							
	% HV	34	30	39	48	51	46	51	46	46	46	35	25	21	19	18	17							
	BNL	78	78	78	78	78	78	78	78	79	78	78	79	78	77	76	75							
	% HV	5	4	5	6	6	6	6	6	6	5	5	4	3	3	2	2							
	Gradient 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
	Distance 20	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2							
	Surface 1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0							
Angle 160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5								
Facade Noise Levels dB(A)	81.2	81.0	82.1	82.9	83.2	82.9	83.1	83.2	82.6	82.7	81.5	80.7	79.5	78.1	76.7	75.3	81.6							
HKPSG Exceedances	11.2	11.0	12.1	12.9	13.2	12.9	13.1	13.2	12.8	12.7	11.5	10.7	9.5	8.1	6.7	5.3								
		16	# number of hours exceeded 70 dB(A)																					
3814	LV	1,893	1,882	1,797	1,637	1,606	1,741	1,623	1,881	1,656	1,716	1,979	2,490	2,380	1,880	1,485	1,173	1,768	1,966	1,775				
	HV	733	650	892	1,164	1,258	1,146	1,211	1,234	1,083	1,109	866	666	490	344	247	178	688	832	848				
	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	2625	2532	2689	2801	2864	2887	2734	3115	2740	2825	2845	3157	2860	2225	1733	1351							
	% HV	28	26	33	42	44	40	44	40	40	39	30	21	17	15	14	13							
	BNL	76	76	76	77	77	77	77	77	77	77	77	77	77	76	75	74							
	% HV	4	4	5	5	6	5	6	5	5	5	4	3	2	2	1	1							
	Gradient 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
	Distance 12	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1							
	Surface 1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0							
Angle 160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5								
Facade Noise Levels dB(A)	80.7	80.2	81.4	82.5	82.8	82.4	82.6	82.8	82.2	82.3	81.3	80.4	79.2	77.8	76.4	75.1	81.1							
HKPSG Exceedances	10.7	10.2	11.4	12.5	12.8	12.4	12.6	12.8	12.2	12.3	11.3	10.4	9.2	7.8	6.4	5.1								
		16	# number of hours exceeded 70 dB(A)																					
3816	LV	1,933	2,492	2,543	2,336	2,389	2,308	2,302	2,510	2,542	2,543	2,481	2,643	2,759	2,479	2,501	2,536	2,419	2,501	2,455				
	HV	697	998	1,033	1,213	1,133	1,208	1,106	1,056	1,085	1,079	1,010	1,087	969	781	679	629	937	1,013	988				
	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	17				
	total	2630	3491	3577	3549	3522	3514	3408	3565	3628	3622	3492	3729	3728	3260	3180	3165							
	% HV	27	29	29	34	32	34	32	30	30	30	29	29	26	24	21	20							
	BNL	76	78	78	78	78	78	78	78	78	78	78	78	78	77	77	77							
	% HV	4	4	4	5	4	5	4	4	4	4	4	4	4	3	3	3							
	Gradient 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
	Distance 5	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2							
	Surface 1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0							
Angle 160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5								
Facade Noise Levels dB(A)	83.1	84.6	84.8	85.4	85.1	85.3	85.0	84.8	84.9	84.9	84.7	85.0	84.5	83.6	83.1	82.8	84.6							
HKPSG Exceedances	13.1	14.6	14.8	15.4	15.1	15.3	15.0	14.8	14.8	14.9	14.7	15.0	14.5	13.6	13.1	12.8								
		16	# number of hours exceeded 70 dB(A)																					
3818	LV	576	1,053	1,266	1,073	1,067	1,139	1,042	1,193	1,151	1,010	1,001	1,271	1,470	1,293	1,262	1,173	960	999	1,169				
	HV	487	907	937	976	948	901	808	962	1,058	971	811	781	555	463	374	348	884	824	744				
	SPD	24.0	24.0	24.0	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24	25	25				
	total	1063	1960	2203	2049	2014	2040	1850	2155	2210	1982	1812	2052	2026	1756	1636	1521							
	% HV	46	45	43	48	47	44	44	45	48	45	38	27	26	23	23	23							
	BNL	72	75	76	75	75	75	75	76	76	75	75	75	75	75	74	74							
	% HV	5	5	5	5	5	5	5	5	5	5	4	3	3	2	2	2							
	Gradient 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
	Distance 12	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1							
	Surface 1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0							
Angle 160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5								
Facade Noise Levels dB(A)	77.9	80.6	80.8	80.9	80.7	80.5	80.1	80.8	81.2	80.8	80.1	80.0	78.7	77.9	77.1	76.8	79.9							
HKPSG Exceedances	7.9	10.6	10.8	10.9	10.7	10.5	10.1	10.8	11.2	10.8	10.1	10.0	8.7	7.9	7.1	6.8								
		16	# number of hours exceeded 70 dB(A)																					
3820	LV	783	1,311	1,120	1,067	1,108	1,088	1,060	1,218	1,309	1,225	1,415	1,804	1,789	1,791	1,793	1,794	1,232	1,475	1,339				
	HV	822	973	1,040	1,031	1,046	998	1,073	1,015	1,047	1,059	974	908	846	706	589	492	861	943	903				
	SPD	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	21.5	21.5	21.5	21.5	22.0	22.0	22	22	22				
	total	1605	2285	2159	2099	2153	2085	2133	2232	2356	2284	2389	2513	2635	2497	2382	2286							
	% HV	5																						

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2006CTS3(815100)MAIN MODEL RUN-V107 SCII Prac Med Budget Toll with New Bus

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

		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	1,210	1,778	1,753	1,541	1,415	1,474	1,557	1,602	1,773	1,597	1,167	1,648	1,849	1,476	1,178	940	1,723	1,245	1,501		
	HV	643	781	1,048	1,066	1,068	1,070	954	1,172	1,118	1,011	900	788	620	465	348	260	806	881	829		
	SPD	21.0	21.0	21.0	22.0	22.0	22.0	22.0	22.0	24.0	24.0	24.0	24.0	24.0	22.0	22.0	22.0	21	24	22		
	total	1853	2559	2801	2807	2484	2544	2511	2774	2892	2608	2067	2436	2470	1940	1526	1200					
	% HV	35	31	37	41	43	42	38	42	39	39	44	32	25	24	23	22					
	BNL	75	76	77	76	76	76	76	77	77	75	75	76	76	75	74	73					
	% HV	5	4	5	5	5	5	5	5	4	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	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					
	Facade Noise Levels dB(A)	80.4	81.3	82.5	82.3	82.3	82.3	81.9	82.7	82.5	81.8	81.2	80.8	79.9	79.0	77.8	76.5	Average Level over 16 hr				
	HKPSG Exceedances	10.4	11.3	12.5	12.3	12.3	12.3	11.9	12.7	12.5	11.8	11.2	10.8	9.9	9.0	7.8	6.5	81.2				
		16 = number of hours exceeded 70 dB(A)																				
3829	LV	1,815	2,184	2,275	2,116	1,944	2,025	2,139	2,201	2,436	2,285	1,943	2,467	2,540	2,027	1,618	1,291	2,117	2,073	2,062		
	HV	984	1,248	1,825	1,610	1,613	1,617	1,441	1,771	1,689	1,534	1,384	1,201	937	702	525	393	1,287	1,355	1,252		
	SPD	21.5	21.5	21.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22	23	23		
	total	2599	3432	3901	3726	3558	3642	3580	3971	4125	3819	3327	3668	3477	2729	2143	1684					
	% HV	38	36	42	43	45	44	40	45	41	40	42	33	27	26	25	23					
	BNL	76	78	78	78	78	78	78	78	78	78	77	78	78	77	76	74					
	% HV	5	5	5	5	5	5	5	5	5	5	5	4	3	3	3	3					
	Gradient	6	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2					
	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					
	Facade Noise Levels dB(A)	83.9	84.9	86.0	85.8	85.8	85.8	85.3	86.2	86.0	85.6	85.1	84.6	83.7	82.4	81.2	80.0	Average Level over 16 hr				
	HKPSG Exceedances	13.9	14.9	16.0	15.8	15.8	15.8	15.3	16.2	16.0	15.6	15.1	14.6	13.7	12.4	11.2	10.0	84.8				
		16 = number of hours exceeded 70 dB(A)																				
3830	LV	1,873	2,150	1,695	1,770	1,663	1,723	1,636	1,785	1,847	1,978	2,385	2,439	2,502	2,087	1,991	1,894	1,928	2,325	1,918		
	HV	770	752	1,133	1,135	1,240	1,073	1,021	1,067	1,158	1,124	845	891	596	394	403	318	836	897	871		
	SPD	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	20.0	20.0	20.0	21.0	21.0	21.0	21	19	21		
	total	2642	2903	2827	2906	2903	2797	2656	2852	3005	3102	3230	3330	3098	2481	2394	2212					
	% HV	29	26	40	39	43	38	38	37	39	36	26	27	19	16	17	14					
	BNL	76	77	77	77	77	77	76	77	77	77	77	77	77	76	76	76					
	% HV	4	3	5	5	5	5	5	5	5	5	4	4	3	2	2	1					
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
	Distance	12	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					
	Facade Noise Levels dB(A)	80.6	80.6	82.2	82.2	82.5	82.0	81.7	81.9	82.3	82.4	81.3	81.5	80.0	78.2	78.2	77.3	Average Level over 16 hr				
	HKPSG Exceedances	10.6	10.6	12.2	12.2	12.5	12.0	11.7	11.9	12.3	12.4	11.3	11.5	10.0	8.2	8.2	7.3	81.2				
		16 = number of hours exceeded 70 dB(A)																				
3843	LV	990	1,311	1,315	1,187	1,213	1,172	1,169	1,275	1,291	1,297	1,283	1,354	1,401	1,259	1,270	1,288	1,273	1,293	1,247		
	HV	654	957	976	1,132	1,057	1,125	1,031	985	1,012	1,005	934	1,010	904	728	634	586	898	937	922		
	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	1645	2268	2291	2318	2270	2297	2201	2259	2304	2302	2217	2363	2306	1987	1904	1674					
	% HV	40	42	43	49	47	49	47	44	44	44	42	43	39	37	33	31					
	BNL	74	76	76	76	76	76	76	76	76	76	76	76	76	76	75	75					
	% HV	5	5	6	6	6	6	6	6	6	6	6	6	6	5	5	4					
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
	Distance	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5					
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
	Angle	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160					
	Facade Noise Levels dB(A)	82.6	84.2	84.3	84.9	84.6	84.9	84.5	84.4	84.5	84.4	84.1	84.5	84.0	83.1	82.6	82.3	Average Level over 16 hr				
	HKPSG Exceedances	12.6	14.2	14.3	14.9	14.6	14.9	14.5	14.4	14.5	14.4	14.1	14.5	14.0	13.1	12.6	12.3	84.1				
		16 = number of hours exceeded 70 dB(A)																				
3854	LV	2,480	2,354	2,371	2,416	1,555	1,426	1,313	1,468	1,835	2,438	1,858	2,481	2,081	1,472	1,805	1,719	2,094	1,998	1,911		
	HV	771	1,235	1,183	1,133	1,407	1,227	1,209	1,478	1,403	1,268	1,375	1,205	921	596	369	344	1,205	1,301	1,019		
	SPD	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20	19	20		
	total	3231	3589	3554	3549	2962	2553	2523	2946	3238	3704	3232	3686	3002	2068	2174	2063					
	% HV	24	34	33	32	47	46	48	50	43	34	43	33	31	29	17	17					
	BNL	77	78	78	78	77	76	76	77	77	78	77	78	77	75	76	75					
	% HV	3	5	5	4	6	6	6	6	6	6	6	4	4	4	2	2					
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
	Distance	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8					
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
	Angle	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160					
	Facade Noise Levels dB(A)	82.3	84.1	84.0	83.8	84.6	84.0	83.9	84.8	84.5	84.2	84.5	84.0	82.9	81.1	79.3	79.0	Average Level over 16 hr				
	HKPSG Exceedances	12.3	14.1	14.0	13.8	14.6	14.0	13.9	14.8	14.6	14.2	14.5	14.0	12.9	11.1	9.3	9.0	83.5				
		16 = number of hours exceeded 70 dB(A)																				
3893	LV	1,369	1,418	1,316	1,171	1,148	1,245	1,089	1,345	1,184	1,225	1,404	1,774	1,702	1,344	1,062	839	1,332	1,394	1,269		
	HV	577	470	686	938	1,013	923	975	994	872	831	496	462	386	277	199	143	498	477	683		
	SPD	22.5	22.5	22.5	23.0	23.0	23.0	23.0	23.0	23.0	23.0	24.5	24.5	24.5	23.0	23.0	23.0	23	25	23		
	total	1946	1888	2002	2108	2161	2168	2064	2339	2057	2056	1900	2236	2088	1622	1261	982					
	% HV	30	25	34	44	47	43	47	43	42	40	26	21	19	17	16	15					
	BNL	75	75	75	75	76	76	75	76	75	75	75	76	75	74	73	72					
	% HV	4	3	4	5																	

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2006CTS3(815100)MAIN MODEL RUN-V107 SCII Prac Med Budget Toll with New Bus

Future Year Hourly Profile of Traffic Volume																		Model Output		
2006CTS3(815100)MAIN MODEL RUN-V107 SCII Prac Med Budget Toll with 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			
4002	LV	1,056	1,629	1,433	1,357	1,197	1,387	1,302	1,394	1,359	1,332	1,281	1,670	1,437	1,215	1,027	868	1,449	1,334	1,286
	HV	480	674	812	1,023	1,012	909	960	940	920	985	788	727	476	400	335	282	652	767	739
	SPD	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5			
	total	1536	2303	2245	2380	2209	2296	2262	2334	2278	2317	2069	2397	1914	1615	1363	1150			
	% HV	31	29	36	43	46	40	42	40	43	38	30	25	25	25	24				
	BNL	74	78	76	76	76	76	76	76	76	76	75	76	75	74	74	73			
	% HV	4	4	4	5	5	5	5	5	5	5	4	3	3	3	3				
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	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5			
Facade Noise Levels dB(A)		80.0	81.5	82.1	82.9	82.8	82.5	82.6	82.6	82.5	82.7	81.9	81.8	80.2	79.5	78.7	78.0			
HKPSG Exceedances		10.0	11.5	12.1	12.9	12.8	12.5	12.6	12.6	12.5	12.7	11.9	11.8	10.2	9.5	8.7	8.0			
		16 = number of hours exceeded 70 dB(A)																		
4003	LV	3,573	3,993	3,589	3,389	2,182	2,001	1,842	2,059	2,574	3,639	3,393	3,956	2,920	2,065	2,532	2,411	3,552	3,652	2,681
	HV	1,767	2,059	2,442	2,868	3,586	3,126	3,082	3,767	3,575	3,049	2,689	2,719	2,347	1,519	940	876	2,009	2,544	2,597
	SPD	59.5	59.5	59.5	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0			
	total	5340	6052	6031	6276	5768	5127	4925	5827	6149	6688	6082	6675	5267	3584	3472	3287			
	% HV	33	34	40	46	62	61	63	65	58	46	44	41	45	42	27	27			
	BNL	79	80	80	80	80	79	79	80	80	80	80	80	79	78	78	77			
	% HV	4	4	5	6	6	6	6	6	5	5	5	4	5	5	3	3			
Gradient	6	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
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			
Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5			
Facade Noise Levels dB(A)		83.1	83.7	84.3	84.9	85.6	85.0	84.9	85.7	85.6	84.9	84.4	84.5	83.8	82.1	80.6	80.3			
HKPSG Exceedances		13.1	13.7	14.3	14.9	15.6	15.0	14.9	15.7	15.6	14.9	14.4	14.5	13.8	12.1	10.6	10.3			
		16 = number of hours exceeded 70 dB(A)																		
4011	LV	980	1,323	1,278	1,305	1,152	1,334	1,252	1,341	1,307	1,328	1,436	1,728	1,383	1,169	988	835	1,177	1,495	1,237
	HV	254	379	438	531	526	472	499	488	478	520	440	390	247	208	174	148	367	428	384
	SPD	40.0	40.0	40.0	39.5	39.5	39.5	39.5	39.5	39.5	37.0	37.0	37.0	37.0	39.5	39.5	39.5			
	total	1234	1702	1716	1837	1677	1807	1751	1829	1785	1848	1875	2118	1630	1376	1162	982			
	% HV	21	22	26	29	31	28	28	27	27	28	23	18	15	15	15	15			
	BNL	73	75	75	75	74	75	75	75	75	75	75	75	74	74	73	72			
	% HV	2	2	2	3	3	2	3	2	2	3	2	1	1	1	1	1			
Gradient	3	1	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	0			
Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5			
Facade Noise Levels dB(A)		76.5	78.3	78.7	79.4	79.3	79.0	79.2	79.2	79.1	79.3	78.8	78.5	76.8	76.1	75.4	74.6			
HKPSG Exceedances		6.6	8.3	8.7	9.4	9.3	9.0	9.2	9.2	9.1	9.3	8.8	8.5	6.8	6.1	5.4	4.6			
		16 = number of hours exceeded 70 dB(A)																		
4012	LV	1,681	1,403	1,519	1,517	1,488	1,614	1,412	1,743	1,535	1,589	1,823	2,302	2,206	1,742	1,377	1,087	1,318	1,811	1,845
	HV	589	549	727	922	997	908	959	978	858	938	878	600	380	273	196	141	581	844	672
	SPD	42.0	42.0	42.0	39.5	39.5	39.5	39.5	39.5	39.5	36.5	36.5	36.5	36.5	39.5	39.5	39.5			
	total	2269	1952	2246	2440	2485	2522	2371	2721	2393	2526	2702	2902	2586	2015	1573	1228			
	% HV	28	28	32	38	40	36	40	36	36	37	33	21	15	14	12	11			
	BNL	76	75	76	76	76	76	76	77	76	76	76	77	77	76	75	74			
	% HV	2	3	3	4	4	3	4	3	3	4	3	2	1	0	0	0			
Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Distance	12	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			
Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5			
Facade Noise Levels dB(A)		76.6	78.2	79.3	80.1	80.4	80.1	80.2	80.4	79.8	80.2	80.0	78.8	77.2	76.0	74.7	73.4			
HKPSG Exceedances		8.6	8.2	9.3	10.1	10.4	10.1	10.2	10.4	9.8	10.2	10.0	8.8	7.2	6.0	4.7	3.4			
		16 = number of hours exceeded 70 dB(A)																		
4014	LV	1,560	2,073	2,074	1,867	1,909	1,845	1,840	2,006	2,032	2,039	2,009	2,125	2,205	1,981	1,999	2,027	2,012	2,025	1,962
	HV	499	763	756	852	796	847	777	742	762	778	789	804	881	548	477	441	716	791	694
	SPD	23.5	23.5	23.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5			
	total	2060	2836	2830	2719	2705	2692	2616	2747	2794	2817	2798	2929	2886	2530	2476	2468			
	% HV	24	27	27	31	29	31	30	27	27	28	28	27	24	22	19	18			
	BNL	75	77	77	77	77	77	76	77	77	77	77	77	77	76	76	76			
	% 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	0			
Distance	5	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5			
Facade Noise Levels dB(A)		81.1	82.8	82.8	83.1	82.8	83.1	82.7	82.6	82.7	82.8	82.8	82.8	82.3	81.4	80.9	80.7			
HKPSG Exceedances		11.1	12.6	12.8	13.1	12.8	13.1	1												

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2006CTS3(815100)MAIN MODEL RUN-V107 SCII Prac Med Budget Toll with New Bus

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

Model Output

		Hour Start / 2-way Hourly Traffic Volume																			
Stn.		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	AM	PM	OP	
4018	LV	839	1,471	1,220	1,121	1,164	1,143	1,114	1,280	1,376	1,255	1,348	1,604	1,880	1,882	1,884	1,886	1,382	1,406	1,407	
	HV	820	893	1,010	1,054	1,069	1,020	1,097	1,037	1,070	1,090	1,024	941	865	722	602	503	882	991	923	
	SPD	23.5	23.5	23.5	24.0	24.0	24.0	24.0	24.0	24.0	23.0	23.0	23.0	23.0	24.0	24.0	24.0	24	23	24	
	total	1659	2364	2230	2176	2233	2162	2211	2317	2446	2345	2372	2545	2745	2604	2486	2388				
	% HV	49	38	45	48	48	47	50	45	44	46	43	37	32	28	24	21				
	BNL	74	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76				
	% HV	5	4	5	5	5	5	5	5	5	5	4	4	3	3	2					
	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			
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)		80.8	81.3	81.8	81.9	81.9	81.7	82.0	81.8	82.0	82.2	81.9	81.6	81.3	80.6	79.8	79.1	81.4			
HKPSG Exceedances		10.8	11.3	11.8	11.9	11.9	11.7	12.0	11.8	12.0	12.2	11.9	11.6	11.3	10.5	9.8	9.1				
		16	= number of hours exceeded 70 dB(A)																		
4024	LV	1,197	1,753	1,732	1,526	1,402	1,460	1,542	1,587	1,757	1,582	1,158	1,634	1,832	1,462	1,157	931	1,699	1,235	1,487	
	HV	607	731	987	1,008	1,010	1,012	902	1,109	1,058	956	850	745	587	439	329	248	754	832	784	
	SPD	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	27.0	26	27	27	
	total	1804	2484	2719	2534	2412	2473	2445	2696	2815	2538	2007	2378	2419	1901	1496	1177				
	% HV	34	29	36	40	42	41	37	41	38	38	42	31	24	23	22	21				
	BNL	75	76	77	76	75	76	76	77	77	76	75	76	76	75	74	73				
	% HV	4	3	4	4	4	4	4	4	4	4	4	3	2	2	2	2				
	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			
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)		79.4	80.3	81.5	81.4	81.4	81.4	81.0	81.8	81.6	81.2	80.6	80.2	79.4	78.2	76.9	75.7	80.4			
HKPSG Exceedances		9.4	10.3	11.5	11.4	11.4	11.4	11.0	11.8	11.6	11.2	10.6	10.2	9.4	8.2	6.9	5.7				
		16	= number of hours exceeded 70 dB(A)																		
4026	LV	1,254	1,280	1,096	1,225	1,151	1,192	1,131	1,235	1,278	1,384	1,728	1,726	1,731	1,444	1,378	1,310	1,148	1,684	1,327	
	HV	559	549	824	824	900	779	741	774	840	815	612	648	432	296	293	231	610	650	632	
	SPD	25.0	25.0	25.0	24.0	24.0	24.0	24.0	24.0	24.0	23.0	23.0	23.0	23.0	24.0	24.0	24.0	25	23	24	
	total	1814	1829	1920	2049	2050	1971	1872	2009	2118	2200	2340	2372	2163	1730	1670	1541				
	% HV	31	30	43	40	44	40	40	39	40	37	26	27	20	17	18	15				
	BNL	75	75	75	75	75	75	75	75	75	75	76	76	76	75	74	74				
	% HV	3	3	5	5	5	5	5	5	5	4	3	3	2	1	2	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			
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)		78.6	78.5	80.1	80.3	80.6	80.0	79.8	80.0	80.4	80.4	79.4	79.6	78.0	76.3	76.3	75.5	79.2			
HKPSG Exceedances		8.6	8.5	10.1	10.3	10.6	10.0	9.8	10.0	10.4	10.4	9.4	9.6	8.0	6.3	6.3	5.5				
		16	= number of hours exceeded 70 dB(A)																		
4028	LV	1,109	1,274	1,082	796	702	797	730	783	771	779	890	976	1,130	923	755	617	1,157	861	845	
	HV	602	441	560	508	532	512	533	523	621	548	554	489	468	332	236	167	448	517	475	
	SPD	42.0	42.0	42.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	42	45	45	
	total	1711	1715	1642	1304	1234	1310	1263	1286	1392	1327	1444	1465	1597	1255	990	784				
	% HV	35	26	34	39	43	39	42	41	45	41	38	33	29	26	24	21				
	BNL	75	75	74	73	73	73	73	73	74	73	74	74	74	73	72	71				
	% HV	3	2	3	4	4	4	4	4	4	4	4	3	3	3	2	2				
	Gradient	3	Gradient	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
	Distance	10	Distance	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-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)		79.9	78.8	79.6	79.1	79.3	79.2	79.3	79.2	79.9	79.4	79.5	79.1	79.0	77.7	76.3	74.9	78.9			
HKPSG Exceedances		9.9	8.8	9.6	9.1	9.3	9.2	9.3	9.2	9.9	9.4	9.5	9.1	9.0	7.7	6.3	4.9				
		16	= number of hours exceeded 70 dB(A)																		
4054	LV	2,409	2,202	2,286	2,387	1,537	1,409	1,297	1,450	1,813	2,382	1,749	2,400	2,056	1,455	1,783	1,698	1,959	1,862	1,888	
	HV	890	1,373	1,348	1,328	1,649	1,437	1,417	1,732	1,644	1,462	1,504	1,365	1,079	698	432	403	1,340	1,423	1,194	
	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	3298	3575	3643	3714	3185	2848	2715	3182	3456	3844	3253	3785	3135	2153	2215	2101				
	% HV	27	38	37	36	52	50	52	54	48	38	46	36	34	32	19	19				
	BNL	77	78	78	78	77	77	77	77	78	78	77	78	77	76	76	75				
	% HV	4	5	5	5	6	6	6	7	6	5	5	5	5	4	3	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			
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)		83.7	85.4	85.4	85.3	86.1	85.5	85.5	86.3	86.1	85.7	85.8	85.4	84.4	82.6	80.8	80.5				
HKPSG Exceedances		13.7	15.4	15.4	15.3	16.1	15.5	15.5	16.3	16.1	15.7	15.8	15.4	14.4	12.6	10.8	10.5				
		16	= number of hours exceeded 70 dB(A)																		
4201	LV	2,075	1,997	1,315	1,233	1,120	1,065	1,186	1,292	1,403	1,368	1,571	1,989	1,824	1,622	1,442	1,281	1,697	1,579	1,444	
	HV	293	448	442	435	407	364	413	433	412	411	384	357	307	229	171	128	432	381	337	
	SPD	38.5	38.5	38.5	39.5	39.5	39.5	39.5	39.5	39.5	38.5	38.5	38.5	38.5	39.5	39.5	39.5	39	38	40	
	total	2368	2446	1757	1668	1527	1429	1599	1725												

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2006CTS3(815100)MAIN MODEL RUN-V107 SCII Prac Med Budget Toll with New Bus

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

Model Output

Future Year Hourly Profile of Traffic Volume																	Model Output				
2006CTS3(815100)MAIN MODEL RUN-V107 SCII Prac Med Budget Toll with 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		
4203	LV	1,113	1,718	1,641	1,391	1,278	1,331	1,405	1,448	1,601	1,449	1,081	1,504	1,669	1,332	1,063	848	1,685	1,153	1,355	
	HV	501	590	810	838	840	842	750	922	880	794	705	619	488	365	274	205	609	690	652	
	SPD	23.5	23.5	23.5	24.5	24.5	24.5	24.5	24.5	22.5	22.5	22.5	22.5	22.5	24.5	24.5	24.5	24	23	25	
	total	1614	2308	2450	2229	2118	2172	2156	2368	2481	2243	1785	2123	2157	1698	1337	1053				
	% HV	31	28	33	38	40	39	35	39	35	35	39	29	23	22	20	19				
	BNL	74	76	76	76	75	76	76	76	76	76	75	75	75	76	74	73	72			
	% HV	4	3	4	4	4	4	4	4	4	4	5	4	3	2	2	2				
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	Distance	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10				
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
Angle	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160					
Facade Noise Levels dB(A)		78.9	79.7	81.0	80.9	80.9	80.9	80.5	81.3	81.1	81.0	80.4	80.0	79.2	77.7	76.4	75.2				
HKPSG Exceedances		8.9	9.7	11.0	10.9	10.9	10.9	10.5	11.3	11.1	11.0	10.4	10.0	9.2	7.7	6.4	5.2				
16 = number of hours exceeded 70 dB(A)																					
4204	LV	1,513	1,966	1,996	1,824	1,865	1,802	1,797	1,960	1,985	1,984	1,930	2,060	2,154	1,936	1,953	1,980	1,908	1,946	1,917	
	HV	626	867	919	1,101	1,028	1,094	1,003	958	985	972	888	971	880	708	616	570	814	891	896	
	SPD	22.2	22.2	22.2	21.7	21.7	21.7	21.7	21.7	21.7	21.8	21.8	21.8	21.8	21.7	21.7	21.7	22	22	22	
	total	2139	2833	2915	2925	2893	2897	2801	2917	2970	2956	2819	3031	3034	2644	2569	2550				
	% HV	29	31	32	38	36	38	36	33	33	33	32	32	29	27	24	22				
	BNL	76	77	77	77	77	77	77	77	77	77	77	77	77	76	76	76				
	% HV	4	4	4	5	4	5	4	4	4	4	4	4	4	3	3	3				
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	Distance	5	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					
Facade Noise Levels dB(A)		82.1	83.5	83.8	84.5	84.3	84.5	84.2	84.0	84.1	84.0	83.7	84.1	83.7	82.8	82.3	82.0				
HKPSG Exceedances		12.1	13.5	13.8	14.5	14.3	14.5	14.2	14.0	14.1	14.0	13.7	14.1	13.7	12.8	12.3	12.0				
16 = number of hours exceeded 70 dB(A)																					
4205	LV	1,265	1,705	1,649	1,685	1,487	1,723	1,617	1,731	1,687	1,645	1,548	2,049	1,785	1,509	1,276	1,078	1,517	1,612	1,597	
	HV	353	525	608	739	731	657	694	679	665	696	512	501	344	289	242	203	509	499	534	
	SPD	28.5	28.5	28.5	26.5	26.5	26.5	26.5	26.5	26.5	25.5	25.5	25.5	25.5	25.5	26.5	26.5	29	26	27	
	total	1618	2231	2257	2424	2218	2379	2311	2410	2352	2341	2061	2550	2129	1798	1518	1282				
	% HV	22	24	27	30	33	28	30	28	28	30	25	20	16	16	16	16				
	BNL	74	76	76	76	76	76	76	76	76	76	75	75	75	75	74	73				
	% HV	2	2	3	3	4	3	3	3	3	3	3	2	1	1	1	1				
	Gradient	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3				
	Distance	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10				
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
Angle	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160					
Facade Noise Levels dB(A)		78.1	79.7	80.2	81.2	81.1	80.7	80.9	80.8	80.8	81.0	79.8	79.9	78.5	77.6	76.9	76.1				
HKPSG Exceedances		8.1	9.7	10.2	11.2	11.1	10.7	10.9	10.8	10.8	11.0	9.8	9.9	8.5	7.6	6.9	6.1				
16 = number of hours exceeded 70 dB(A)																					
4208	LV	3,245	3,743	3,562	3,172	3,493	3,595	3,595	3,762	3,818	3,402	3,596	3,668	4,508	3,986	4,041	3,903	3,680	3,528	3,702	
	HV	1,926	2,055	2,317	2,330	2,437	2,716	2,597	2,628	2,664	2,669	2,353	2,218	1,467	1,252	891	866	2,148	2,337	2,050	
	SPD	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36	37	36	
	total	5171	5798	5879	5502	5930	6312	6192	6387	6482	6061	5949	5866	5975	5239	5032	4770				
	% HV	37	35	39	42	41	43	42	41	42	44	40	38	25	24	20	18				
	BNL	79	80	80	80	80	80	80	80	80	80	80	80	80	80	79	79				
	% HV	4	3	4	4	4	4	4	4	4	4	4	4	4	2	1	1				
	Gradient	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3				
	Distance	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12				
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
Angle	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160					
Facade Noise Levels dB(A)		84.2	84.5	85.0	84.9	85.2	85.6	85.4	85.5	85.5	85.5	85.5	85.0	84.8	83.4	82.7	81.9	81.4	84.6		
HKPSG Exceedances		14.2	14.5	15.0	14.9	15.2	15.6	15.4	15.5	15.5	15.5	15.0	14.8	13.4	12.7	11.9	11.4				
16 = number of hours exceeded 70 dB(A)																					
4212	LV	831	801	935	968	1,008	1,065	994	1,065	1,042	1,080	895	1,091	1,183	1,002	850	720	779	879	1,010	
	HV	755	881	951	959	951	1,011	965	949	1,040	959	697	824	674	480	342	244	820	863	781	
	SPD	23.5	23.5	23.5	24.5	24.5	24.5	24.5	24.5	24.5	25.0	25.0	25.0	25.0	24.5	24.5	24.5	24	25	25	
	total	1586	1681	1886	1928	1957	2076	1960	2013	2082	2039	1792	1916	1856	1483	1192	964				
	% HV	48	52	50	50	49	49	49	47	50	47	50	43	36	32	29	25				
	BNL	74	74	75	75	75	75	75	75	75	75	75	75	75	74	73	72				
	% HV	5	6	6	5	5	5	5	5	5	5	5	5	5	4	4	3				
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	Distance	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12				
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
Angle	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160					
Facade Noise Levels dB(A)		79.9	80.5	80.9	80.8	80.7	81.0	80.8	80.7	81.1	80.7	80.4	80.1	79.3	78.0	76.6	75.2				
HKPSG Exceedances		9.9	10.5	10.9	10.8	10.7	11.0	10.8	10.7	11.1	10.7	10.4	10.1	9.3	8.0	6.6	5.2				
16 = number of hours exceeded 70 dB(A)																					
4213	LV	2,776	4,019	3,697	3,681	3,805	4,031	3,903	3,811	3,841	3,902	3,688	3,981	3,961	3,798	3,641	3,491	3,642	3,775	3,754	
	HV	770	1,048	1,317	1,602	1,685	1,502	1,558	1,661	1,634	1,548	1,289	1,179	909	639	449	316	1,077	1,318	1,193	
	SPD	55.0	55.0	55.0	54.0	54.0	54.0	54.0	54.0	54.0	52.5	52.5	52.5	52.5	54.0	54.0	54.0				
	total	3546	5067	5015	5163	5490	5532	5461	5472	5474	5449	4975	5160	4870	4437	4090	3807				
	% HV	22	21	26	31	31	27	29	30	30	28	26	23	19	14	11	8				
	BNL	78	79	79	79	80	80	80	80	80	80	79	79	79	79	78	78				
	% HV	3	2	3	4	4	3	3	3	3	3	3	3	2	1	1	0				
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	Distance	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21				
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
Angle	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160					
Facade Noise Levels dB(A)		78.6	80.0	80.7	81.3	81.5	81.1	81.2	81.6	81.4	81.1	80.5	80.2	79.4	78.4	77.4	76.5				
HKPSG Exceedances		8.6	10.0	10.7	11.3	11.5	11.1	11.2	11.5	11.4	11.1	10.5	10.2	9.4	8.4	7.4	6.5				
16 = number of hours exceeded 70 dB(A)																					

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2006CTS3(815100)MAIN MODEL RUN-V107 SCH Prac Med Budget Toll with New Bus

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

		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	4,452	4,135	4,144	3,921	3,845	4,169	3,647	4,504	3,966	4,040	4,359	5,751	5,698	4,502	3,556	2,810				
	HV	1,753	1,544	2,130	2,791	3,016	2,747	2,902	2,959	2,597	2,627	1,976	1,560	1,150	826	593	426	3,885	4,329	4,250	
	SPD	55.5	55.5	55.5	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	1,635	1,899	2,033	
	total	6205	5679	6273	6711	6861	6916	6549	7463	6563	6668	6335	7311	6848	5328	4150	3236	56	53	53	
	% HV	28	27	34	42	44	40	44	40	40	39	31	21	17	16	14	13				
	BNL	80	80	80	80	81	81	80	81	80	80	80	81	81	79	78	77				
	% HV	3	3	4	4	5	4	5	4	4	4	4	2	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	-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)		83.8	83.3	84.5	85.3	85.6	85.3	85.5	85.6	85.1	85.1	84.1	83.6	82.6	81.3	80.0	78.8	84.1			
HKPSG Exceedances		13.8	13.3	14.5	15.3	15.6	15.3	15.5	15.6	15.1	15.1	14.1	13.6	12.6	11.3	10.0	8.8				
		16 = number of hours exceeded 70 dB(A)																			
4217	LV	2,910	3,189	2,800	2,116	1,868	2,120	1,940	2,028	2,050	2,077	2,397	2,611	3,004	2,455	2,007	1,641	2,896	2,318	2,247	
	HV	1,439	1,121	1,361	1,196	1,252	1,206	1,255	1,232	1,460	1,292	1,315	1,156	1,101	781	554	393	1,139	1,227	1,118	
	SPD	32.0	32.0	32.0	36.8	36.8	36.8	36.8	36.8	36.8	35.8	35.8	35.8	35.8	36.8	36.8	36.8	32	36	37	
	total	4349	4310	4161	3313	3119	3326	3195	3260	3511	3368	3711	3767	4105	3237	2562	2034				
	% HV	33	26	33	36	40	36	39	38	42	38	35	31	27	24	22	19				
	BNL	79	79	78	77	77	77	77	77	78	77	78	78	78	77	76	75				
	% HV	3	2	3	3	4	3	4	4	4	4	3	3	2	2	2	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	-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)		84.6	83.7	84.3	83.7	83.8	83.7	83.8	83.7	84.4	83.9	84.1	83.6	83.5	82.2	80.8	79.4	83.5			
HKPSG Exceedances		14.6	13.7	14.3	13.7	13.8	13.7	13.8	13.7	14.4	13.9	14.1	13.6	13.5	12.2	10.8	9.4				
		16 = number of hours exceeded 70 dB(A)																			
5001	LV	3,249	3,029	2,153	1,943	1,736	1,911	1,721	1,677	1,756	2,207	2,368	3,787	3,447	2,749	2,192	1,747	2,589	2,460	2,293	
	HV	1,719	2,219	2,782	2,990	3,117	2,577	2,780	3,315	3,460	3,231	2,437	2,301	1,856	1,302	914	641	2,197	2,333	2,377	
	SPD	37.5	37.5	37.5	40.0	40.0	40.0	40.0	40.0	40.0	39.0	39.0	39.0	39.0	40.0	40.0	40.0	38	39	40	
	total	4968	5248	4935	4933	4853	4489	4501	4991	5216	5438	4805	6089	5303	4051	3105	2388				
	% HV	35	42	56	61	64	57	62	66	66	59	51	38	35	32	29	27				
	BNL	79	79	79	79	79	79	79	79	79	80	79	80	79	78	77	76				
	% HV	3	4	5	5	5	5	5	5	5	5	5	4	3	3	3	2				
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	Distance	50	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6			
	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)		77.5	78.4	79.3	79.6	79.7	78.9	79.2	80.0	80.1	79.9	78.8	78.7	77.8	76.4	74.9	73.5	78.6			
HKPSG Exceedances		7.5	8.4	9.3	9.6	9.7	8.9	9.2	10.0	10.1	9.9	8.8	8.7	7.8	6.4	4.9	3.5				
		16 = number of hours exceeded 70 dB(A)																			
5002	LV	4,262	3,313	2,585	2,316	2,320	2,231	2,226	2,533	2,302	2,899	2,838	3,943	3,691	2,726	2,014	1,487	3,004	2,841	2,661	
	HV	1,270	1,308	1,594	1,959	1,914	1,669	1,639	1,822	2,075	1,883	1,544	1,611	1,548	965	602	375	1,299	1,528	1,507	
	SPD	64.2	64.2	64.2	63.3	63.3	63.3	63.3	63.3	63.3	63.5	63.5	63.5	63.5	63.3	63.3	63.3	64	64	63	
	total	5532	4621	4180	4275	4235	3899	3865	4355	4377	4582	4382	5554	5240	3692	2616	1863				
	% HV	23	28	38	46	45	43	42	42	47	41	35	29	30	26	23	20				
	BNL	80	79	78	79	78	78	78	79	79	79	79	80	79	78	76	75				
	% HV	3	4	5	5	5	5	5	5	5	5	5	4	4	4	3	3				
	Gradient	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
	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			
Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr			
Facade Noise Levels dB(A)		78.1	77.9	78.4	79.0	79.0	78.4	78.3	78.8	79.3	79.0	78.3	78.7	78.5	76.6	74.8	72.9	78.1			
HKPSG Exceedances		8.1	7.9	8.4	9.0	9.0	8.4	8.3	8.8	9.3	9.0	8.3	8.7	8.5	6.6	4.8	2.9				
		16 = number of hours exceeded 70 dB(A)																			
5003	LV	2,533	2,598	1,857	1,603	1,590	1,575	1,590	1,582	1,735	1,740	2,219	2,779	2,314	1,815	1,424	1,117	2,360	2,173	1,779	
	HV	1,230	1,316	1,573	2,409	2,313	1,864	1,838	1,917	1,829	1,752	1,821	1,574	1,404	1,108	875	690	1,278	1,723	1,621	
	SPD	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	83.0	83.0	83.0	83.0	84.0	84.0	84.0	84	83	84	
	total	3863	3914	3430	4012	3903	3440	3428	3499	3565	3492	4040	4353	3718	2923	2299	1807				
	% HV	32	34	46	60	59	54	54	55	51	50	45	36	38	38	38	38				
	BNL	78	78	78	78	78	78	78	78	78	78	78	78	79	78	77	76				
	% HV	6	6	7	8	8	7	7	7	7	7	7	6	6	6	6	6				
	Gradient	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
	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			
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)		80.2	80.4	80.7	82.3	82.1	81.3	81.2	81.4	81.3	81.0	81.3	81.0	80.4	79.5	78.4	77.4	80.8			
HKPSG Exceedances		10.2	10.4	10.7	12.3	12.1	11.3	11.2	11.4	11.3	11.0	11.3	11.0	10.4	9.5	8.4	7.4				
		16 = number of hours exceeded 70 dB(A)																			
5005	LV	1,555	1,416	1,038	867	730	780	698	826	824	834	1,185	1,527	1,495	1,372	1,259	1,156	1,230	1,179	1,06	

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2006CTS3(815100)MAIN MODEL RUN-V107 SCII Prac Med Budget Toll with New Bus

Stn.		Hour Start / 2-Hourly Traffic Volume (veh.) or Speed (km/hr)																Model Output		
		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	AM	PM	OP
5012	LV	5,942	4,895	3,987	4,125	3,516	3,477	3,870	3,941	4,224	4,821	4,606	6,262	6,841	5,451	4,359	3,480	4,313	4,492	4,672
	HV	3,129	3,933	4,523	4,546	4,738	4,310	4,437	5,650	5,317	4,832	4,028	3,853	3,091	2,452	1,945	1,543	3,784	3,953	3,903
	SPD	43.5	43.5	43.5	53.5	53.5	53.5	53.5	53.5	52.0	52.0	52.0	52.0	52.0	53.5	53.5	53.5	44	52	54
	total	9072	8829	8510	8671	8254	7787	8307	9592	9541	9653	8634	10114	9932	7913	6304	5023			
	% HV	34	45	53	52	57	55	53	59	56	50	47	38	31	31	31	31			
	BNL	82	82	81	82	81	81	82	82	82	82	82	82	82	81	80	79			
	% HV	3	4	5	5	6	6	5	6	5	5	4	3	4	3	3	3			
	Gradient	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6			
	Distance	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50			
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
5016	LV	867	963	785	680	651	666	516	637	703	670	884	885	808	625	633	593	879	831	686
	HV	1,479	1,646	2,156	2,504	2,303	1,741	2,271	2,451	2,403	2,388	1,918	1,881	1,425	1,027	741	510	1,631	1,928	1,817
	SPD	71.8	71.8	71.8	71.0	71.0	71.0	71.0	71.0	71.0	70.0	70.0	70.0	70.0	71.0	71.0	71.0	72	70	71
	total	2346	2609	2941	3184	2954	2407	2787	3088	3106	3056	2800	2866	2233	1652	1374	1103			
	% HV	63	63	73	79	78	72	81	79	77	78	68	69	64	62	54	45			
	BNL	76	76	77	77	77	76	77	77	77	77	77	77	76	74	74	73			
	% HV	7	7	8	8	8	7	8	8	8	7	7	7	7	6	6	6			
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12			
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
5018	LV	1,529	1,477	1,187	865	718	736	779	746	768	905	1,074	1,432	1,090	921	779	658	1,319	1,096	915
	HV	1,017	956	1,076	1,262	1,173	1,025	1,044	1,158	1,147	1,154	968	969	668	482	349	252	930	974	911
	SPD	27.5	27.5	27.5	28.5	28.5	28.5	28.5	28.5	28.5	27.0	27.0	27.0	27.0	28.5	28.5	28.5	28	27	29
	total	2547	2432	2263	2127	1891	1761	1823	1904	1915	2059	2063	2400	1757	1404	1127	910			
	% HV	40	39	48	59	62	58	57	61	60	56	48	40	38	34	31	28			
	BNL	76	76	76	75	75	75	75	75	75	75	75	75	76	74	73	72			
	% HV	4	4	5	6	6	6	5	6	6	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	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8			
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
5019	LV	1,238	1,351	1,298	1,100	936	1,112	1,159	939	1,128	1,341	1,338	1,484	1,491	1,278	1,096	940	1,294	1,333	1,169
	HV	1,405	1,580	1,986	2,236	2,377	2,089	2,344	2,259	2,112	2,239	2,049	1,864	1,205	1,072	953	848	1,530	1,951	1,802
	SPD	49.0	49.0	49.0	47.5	47.5	47.5	47.5	47.5	47.5	45.0	45.0	45.0	45.0	47.5	47.5	47.5	49	45	48
	total	2843	2931	3283	3336	3312	3202	3503	3198	3241	3580	3387	3328	2696	2350	2050	1788			
	% HV	53	54	60	67	72	65	67	71	65	63	60	56	45	48	47	47			
	BNL	76	77	77	77	77	77	78	77	77	78	77	77	77	76	75	73			
	% HV	5	5	6	6	6	6	6	6	6	6	6	5	4	5	5	5			
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5			
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
5025	LV	2,479	2,261	1,632	1,491	1,333	1,467	1,321	1,287	1,348	1,718	1,960	2,999	2,646	2,110	1,882	1,341	2,007	2,036	1,760
	HV	1,746	2,257	2,828	3,037	3,185	2,618	2,823	3,366	3,514	3,378	2,836	2,484	1,885	1,322	928	851	2,235	2,715	2,414
	SPD	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	74.5	74.5	74.5	74.5	77.0	77.0	77.0	77	75	77
	total	4225	4518	4460	4528	4498	4084	4144	4653	4861	5096	4796	5483	4531	3432	2610	1992			
	% HV	41	50	63	67	70	64	68	72	72	66	59	45	42	39	36	33			
	BNL	78	79	79	79	79	78	78	79	79	79	79	80	79	78	76	75			
	% HV	6	7	7	8	8	7	8	8	8	7	6	6	6	5	5	5			
	Gradient	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6			
	Distance	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43			
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
5204	LV	2,332	2,614	1,718	1,358	1,347	1,335	1,347	1,341	1,471	1,473	1,869	2,349	1,962	1,539	1,207	947	2,375	1,830	1,508
	HV	1,180	1,307	1,524	2,290	2,199	1,772	1,748	1,822	1,739	1,668	1,740	1,500	1,335	1,054	831	658	1,269	1,648	1,541
	SPD	84.0	84.0	84.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	84	83	83
	total	3511	3921	3241	3649	3546	3108	3095	3163	3210	3141	3608	3849	3297	2592	2038	1603			
	% HV	34	33	47	63	62	57	56	58	54	53	48	39	40	41	41	41			
	BNL	78	78	77	78	78	77	77	77	77	77	78	78	77	76	75	74			
	% HV	6	6	7	8	8	7	7	7	7	7	7	6	6	6	6	6			
	Gradient	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6			
	Distance	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43			
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2006CTS3(815100)MAIN MODEL RUN-V107 SCII Prac Med Budget Toll with New Bus

2006CTS3(815100)MAIN MODEL RUN-V107 SCH Prac Med Budget (on with New Bus																				Model Output			
		Hour Start / 2-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						
5206	LV	1,910	1,626	1,801	1,532	1,048	987	700	615	927	931	1,406	1,620	1,884	1,390	1,169	1,098	1,471	1,461	1,249			
	HV	1,306	1,422	1,597	1,585	1,200	868	1,181	1,260	1,236	1,228	1,465	1,921	1,359	951	975	1,034	1,291	1,561	1,246			
	SPD	37.5	37.5	37.5	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	38	39	39			
	total	3216	3048	3398	3197	2248	1855	1881	1874	2163	2199	2870	3541	3243	2341	2143	2132						
	% HV	41	47	47	49	53	47	63	67	57	57	51	54	42	41	45	48						
	BNL	77	77	78	77	76	75	75	75	76	76	77	78	77	76	76	75						
	% HV	4	4	4	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	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)		81.6	81.8	82.3	82.2	81.0	79.7	80.9	81.1	81.1	81.1	81.9	83.1	81.7	80.2	80.2	80.4	81.4					
HKPSG Exceedances		11.6	11.8	12.3	12.2	11.0	9.7	10.9	11.1	11.1	11.1	11.9	13.1	11.7	10.2	10.2	10.4						
		16	= number of hours exceeded 70 dB(A)																				
5207	LV	2,312	2,038	2,198	1,961	1,259	1,186	841	739	1,114	1,101	1,591	1,885	2,264	1,671	1,404	1,320	1,844	1,654	1,501			
	HV	1,066	981	1,252	1,319	1,012	731	995	1,062	1,042	989	1,018	1,477	1,145	801	821	871	890	1,085	1,050			
	SPD	32.5	32.5	32.5	31.5	31.5	31.5	31.5	31.5	28.0	28.0	28.0	28.0	28.0	31.5	31.5	31.5	33	28	32			
	total	3378	3018	3450	3280	2271	1918	1836	1800	2155	2090	2609	3362	3409	2472	2226	2191						
	% HV	32	32	36	40	45	38	54	59	48	47	39	44	34	32	37	40						
	BNL	77	77	78	77	76	75	75	75	76	76	77	78	77	76	76	76						
	% HV	3	3	4	4	4	4	5	5	5	5	4	4	3	3	4	4						
	Gradient	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3						
	Distance	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10						
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1						
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)		82.4	82.0	83.0	83.2	82.0	80.7	81.8	82.1	82.1	82.1	82.3	83.8	82.9	81.2	81.2	81.4	82.2					
HKPSG Exceedances		12.4	12.0	13.0	13.2	12.0	10.7	11.8	12.1	12.1	12.1	12.3	13.8	12.9	11.2	11.2	11.4						
		16	= number of hours exceeded 70 dB(A)																				
5210	LV	1,995	2,058	1,323	997	999	960	958	1,090	991	1,205	1,462	1,835	1,589	1,173	867	840	1,866	1,464	1,145			
	HV	944	979	1,187	1,454	1,420	1,238	1,216	1,352	1,540	1,420	1,234	1,237	1,149	716	447	279	972	1,221	1,118			
	SPD	28.5	28.5	28.5	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	29	29	30			
	total	2939	3037	2510	2450	2419	2198	2174	2442	2531	2625	2697	3071	2737	1890	1313	919						
	% HV	32	32	47	59	59	56	56	55	61	54	46	40	42	38	34	30						
	BNL	77	77	76	76	76	76	76	76	76	76	77	77	77	75	73	72						
	% HV	3	3	5	6	5	5	5	5	6	5	5	4	4	4	3	3						
	Gradient	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3						
	Distance	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50						
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1						
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)		81.4	81.6	82.2	82.9	82.8	82.2	82.1	82.6	83.1	82.9	82.4	82.5	82.1	80.0	78.1	76.1	81.9					
HKPSG Exceedances		11.4	11.6	12.2	12.9	12.8	12.1	12.1	12.6	13.1	12.9	12.4	12.5	12.1	10.0	8.1	6.1						
		16	= number of hours exceeded 70 dB(A)																				
5213	LV	1,723	1,504	1,137	970	817	873	779	924	922	906	1,135	1,606	1,673	1,536	1,409	1,294	1,306	1,149	1,193			
	HV	540	409	439	540	503	432	405	355	426	432	495	410	337	261	202	156	390	470	387			
	SPD	27.5	27.5	27.5	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	28	28	28			
	total	2263	1913	1578	1510	1319	1304	1184	1280	1349	1337	1630	2017	2010	1797	1611	1450						
	% HV	24	21	28	36	38	33	34	28	32	32	30	20	17	15	13	11						
	BNL	76	75	74	74	73	73	73	73	73	73	73	73	73	73	72	71						
	% HV	2	2	3	4	4	3	4	3	3	3	3	2	1	1	1	0						
	Gradient	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3						
	Distance	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50						
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1						
Angle		160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	Average Level over 16 hr					
Facade Noise Levels dB(A)		73.9	72.8	72.9	73.6	73.2	72.7	72.4	71.9	72.6	72.7	73.4	72.9	72.2	71.2	70.3	69.4	72.5					
HKPSG Exceedances		3.9	2.8	2.9	3.6	3.2	2.7	2.4	1.9	2.6	2.7	3.4	2.9	2.2	1.2	0.3	0.8						
		14	= number of hours exceeded 70 dB(A)																				
5229	LV	675	368	582	615	395	372	264	232	350	310	312	473	710	524	441	414	333	324	471			
	HV	539	629	672	637	488	353	480	513	503	481	506	722	553	387	397	421	571	539	507			
	SPD	30.0	30.0	30.0	29.5	29.5	29.5	29.5	29.5	29.5	32.5	32.5	32.5	32.5	29.5	29.5	29.5	30	33	30			
	total	1214	997	1253	1252	884	725	744	744	852	791	818	1196	1263	911	837	835						
	% HV	44	63	54	51	55	49	65	69	59	61	62	60	44	42	47	50						
	BNL	73	72	73	73	72	71	71	71	72	71	71	73	73	73	72	71						
	% HV	4	6	5	5	5	5	6	6	6	6	6	6	5	4	5	5						
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
	Distance	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8						
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1						
Angle		160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	Average Level over 16 hr					
Facade Noise Levels dB(A)		79.1	79.6	80.0	79.8	78.6	77.3	78.5	78.7	78.7	78.4	78.6	80.1	79.1	77.7	77.8	78.0	78.8					
HKPSG Exceedances		9.1	9.6	10.0	9.8	8.6	7.3	8.5	8.7	8.7	8.4	8.8	10.1	9.1	7.7	7.8	8.0						
		16	= number of hours exceeded 70 dB(A)																				
5231	LV	1,028	973	995	880	552	520	369	324	488	499	786	882	992	732	618	578	880	817	658			
	HV	874	749	828	804	617	448	606	647	635	629	745	982	698	488	501	531	680	794	640			
	SPD	28.5	28.5	28.5	24.0	24.0	24.0	24.0	24.0	29.5	29.5	29.5	29.5	29.5	24.0	24.0	24.0	29	30	24			
	total	1702	1722	1823	1664	1169	968	975	971	1123	1129	1531	1864	1690	1221	1116	1110						
	% HV	40	44	45	48	53	46	62	67	57	56	49	53	41	40	45	48						
	BNL	76	75	75	74	73	72	72	72	73	73	74	75	74	73	73	73						
	% HV	4	4	5	5	6	5	6	7	6	5	5	5	4	5	5	5						
	Gradient	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3						
	Distance	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10						
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1						
Angle		160	160	160	160	1																	

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2006CTS3(815100)MAIN MODEL RUN-V107 SCII Prac Med Budget Toll with 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	490	754	485	257	214	205	211	213	235	266	457	522	528	398	301	227							672	478	300
	HV	896	823	974	966	979	850	953	1030	1089	1005	956	921	855	553	357	231							841	845	823
	SPD	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5							32	32	32
	total	1386	1577	1459	1222	1194	1055	1163	1243	1324	1271	1414	1442	1383	951	658	458									
	% HV	65	52	67	79	82	81	82	83	82	79	68	64	62	58	54	50									
	BNL	74	74	74	73	73	72	73	73	73	73	74	74	74	72	70	69									
	% HV	6	5	6	7	7	7	7	7	7	7	6	6	6	5	5	5									
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
	Distance	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									
5233	LV	820	892	738	647	620	634	491	606	669	629	787	817	769	595	602	564							814	740	653
	HV	153	191	231	252	232	175	229	247	242	244	205	205	144	103	75	51							189	206	183
	SPD	29.0	29.0	29.0	31.0	31.0	31.0	31.0	31.0	31.0	29.5	29.5	29.5	29.5	31.0	31.0	31.0							29	30	31
	total	974	1083	969	900	852	810	720	853	911	872	992	1022	913	699	677	616									
	% HV	16	18	24	28	27	22	32	29	27	28	21	20	16	15	11	8									
	BNL	72	73	72	72	71	71	72	72	72	72	72	72	72	71	71	70									
	% HV	1	1	2	3	3	2	3	3	2	3	2	2	1	1	0	-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	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
5236	LV	328	450	319	238	228	234	181	223	246	253	413	359	283	219	222	208							411	388	241
	HV	159	220	248	254	234	177	231	249	244	262	264	234	145	104	75	52							218	266	185
	SPD	29.0	29.0	29.0	30.8	30.8	30.8	30.8	30.8	30.8	29.3	29.3	29.3	29.3	30.8	30.8	30.8							29	29	31
	total	487	669	567	493	462	410	411	472	490	515	676	593	428	323	297	260									
	% HV	33	33	44	52	51	43	56	53	50	51	39	40	34	32	25	20									
	BNL	69	70	70	69	68	68	69	69	69	69	71	70	69	67	67	66									
	% HV	3	3	4	5	5	4	5	5	5	4	4	3	3	2	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	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
5252	LV	1,502	2,008	1,688	1,241	1,056	1,256	1,308	1,060	1,274	1,600	1,887	1,847	1,683	1,443	1,237	1,061							1,924	1,880	1,320
	HV	1,266	1,575	1,642	1,964	2,087	1,835	2,058	1,984	1,855	1,958	1,758	1,624	1,058	941	837	745							1,525	1,684	1,583
	SPD	56.5	56.5	56.5	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	2,767	3,583	3,329	3,205	3,143	3,090	3,366	3,044	3,129	3,559	3,655	3,471	2,741	2,384	2,075	1,806									
	% HV	46	44	52	61	66	59	61	65	59	55	48	47	39	39	40	41									
	BNL	77	78	78	77	77	77	77	77	77	78	78	78	77	76	75	75									
	% HV	5	5	5	6	6	6	6	6	6	5	5	4	5	5	5	5									
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
	Distance	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10									
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
5255	LV	2,075	1,997	1,315	1,233	1,120	1,055	1,188	1,292	1,403	1,368	1,571	1,989	1,824	1,622	1,442	1,281							1,697	1,579	1,444
	HV	293	448	442	435	407	364	413	433	412	411	384	357	307	229	171	128							432	381	337
	SPD	38.5	38.5	38.5	39.5	39.5	39.5	39.5	39.5	39.5	38.5	38.5	38.5	38.5	39.5	39.5	39.5							39	39	40
	total	2,368	2,446	1,757	1,668	1,527	1,429	1,599	1,725	1,814	1,779	1,955	2,346	2,131	1,851	1,613	1,409									
	% HV	12	18	25	26	27	25	26	25	23	23	20	15	14	12	11	9									
	BNL	76	76	75	74	74	74	74	75	75	75	75	76	75	75	74	74									
	% HV	0	1	2	2	2	2	2	2	2	1	1	1	1	0	0	-1									
	Gradient	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9									
	Distance	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25									
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
5268	LV	755	498	674	672	432	407	288	253	382	355	426	571	776	573	481	452							451	443	515
	HV	554	659	693	651	500	381	491	524	514	495	534	750	565	396	406	430							598	569	519
	SPD	29.5	29.5	29.5	28.8	28.8	28.8	28.8	28.8	31.5	31.5	31.5	31.5	31.5	28.8	28.8	28.8							30	32	29
	total	1,309	1,157	1,367	1,323	931	788	780	777	896	850	960	1,321	1,341	968	887	883									
	% HV	42	57	51	49	54	47	63	67	57	58	56	57	42	41	46	49									
	BNL	73	73	74	73	72	71	71	71	72	71	72	73	73	72	72	72									
	% HV	4	5	5	5	5	5	6	6	5	5	5	5	4	4	5	5									
	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									

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2006CTS3(815100)MAIN MODEL RUN-V107 SCII Prac Med Budget Toll with 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
5269	LV	2,368	2,637	1,740	1,383	1,372	1,359	1,372	1,365	1,497	1,489	1,838	2,355	1,997	1,566	1,229	964	2,396	1,800	1,535
	HV	1,505	1,796	1,998	2,864	2,750	2,216	2,186	2,278	2,175	2,092	2,205	1,888	1,669	1,317	1,040	821	1,744	2,086	1,927
	SPD	77.5	77.5	77.5	79.5	79.5	79.5	79.5	79.5	79.5	77.5	77.5	77.5	77.5	79.5	79.5	79.5	78	78	80
	total	3873	4433	3728	4247	4121	3576	3557	3643	3672	3581	4043	4243	3666	2884	2268	1784			
	% HV	39	41	53	67	67	62	61	63	59	58	55	44	46	46	46	46			
	BNL	78	79	79	78	78	78	78	78	78	78	78	78	78	77	76	75			
	% HV	6	6	7	8	8	7	7	7	7	7	6	6	6	6	6	6			
	Gradient	6	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
	Distance	43	-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	Average Level over 16 hr		
5270	LV	4,008	4,186	2,881	2,394	2,375	2,354	2,375	2,364	2,593	2,604	3,345	4,167	3,458	2,712	2,127	1,669	3,803	3,275	2,658
	HV	1,979	2,130	2,535	3,870	3,715	2,995	2,953	3,079	2,939	2,790	2,820	2,484	2,256	1,780	1,405	1,109	2,069	2,668	2,604
	SPD	81.0	81.0	81.0	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.0	81.0	81.0	81.5	81.5	81.5	81	81	82
	total	5986	6316	5416	6265	6091	5349	5328	5442	5531	5395	6164	6651	5713	4492	3532	2778			
	% HV	33	34	47	62	61	56	55	57	53	52	46	37	39	40	40	40			
	BNL	80	80	80	80	80	79	79	80	80	80	80	80	80	79	78	77			
	% HV	5	6	7	8	7	7	7	7	7	7	6	6	6	6	6	6			
	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			
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	Average Level over 16 hr		
5279	LV	4,380	3,366	2,797	2,534	2,133	2,279	2,034	2,413	2,408	2,429	3,358	4,436	4,369	4,010	3,680	3,378	2,923	3,400	3,115
	HV	2,204	1,432	1,725	2,273	2,116	1,817	1,708	1,496	1,785	1,746	1,777	1,595	1,419	1,098	850	657	1,366	1,687	1,629
	SPD	55.5	55.5	55.5	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	50.5	50.5	50.5	60.0	60.0	56	51	60
	total	6584	4798	4522	4807	4249	4096	3740	3909	4203	4175	5135	6031	5788	5108	4530	4035			
	% HV	33	30	38	47	50	44	46	38	43	42	35	26	25	21	19	16			
	BNL	80	79	79	79	78	78	78	78	78	78	79	80	80	79	79	78			
	% HV	4	4	4	5	5	5	5	5	5	4	4	3	3	3	2	2			
	Gradient	6	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
	Distance	50	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6			
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	Average Level over 16 hr		
5404	LV	2,736	2,931	1,894	1,568	1,401	1,543	1,389	1,353	1,417	1,868	2,413	3,382	2,783	2,219	1,769	1,411	2,602	2,507	1,851
	HV	1,749	2,208	2,812	3,060	3,189	2,637	2,844	3,391	3,540	3,324	2,584	2,383	1,899	1,332	935	656	2,187	2,455	2,432
	SPD	39.0	39.0	39.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	36.0	36.0	36.0	43.0	43.0	43.0	39	36	43
	total	4484	5140	4706	4628	4590	4180	4234	4745	4957	5192	4977	5785	4682	3551	2704	2066			
	% HV	39	43	60	66	69	63	67	71	71	64	52	41	41	38	35	32			
	BNL	79	79	79	79	79	78	78	79	79	79	79	80	79	78	77	75			
	% HV	4	4	5	6	6	6	6	6	6	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	-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	Average Level over 16 hr		
5405	LV	3,248	3,589	2,909	2,790	2,703	2,515	2,588	2,827	2,984	2,878	3,307	3,775	3,652	3,292	2,968	2,673	3,349	3,279	2,976
	HV	1,488	1,383	1,830	2,088	2,036	1,941	1,954	2,016	2,026	1,951	1,712	1,505	1,363	1,118	917	753	1,423	1,658	1,656
	SPD	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	49.0	49.0	49.0	49.0	50.5	50.5	50.5	51	49	51
	total	4736	4982	4739	4878	4739	4557	4542	4843	5010	4829	5020	5280	5015	4410	3884	3426			
	% HV	31	28	39	43	43	43	43	42	40	40	34	29	27	25	24	22			
	BNL	79	79	79	79	79	79	79	79	79	79	79	79	79	79	78	78			
	% HV	3	3	4	4	4	4	4	4	4	4	4	3	3	3	2	2			
	Gradient	8	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
	Distance	25	-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	Average Level over 16 hr		
5406	LV	4,471	4,934	4,489	4,066	3,228	3,299	3,084	3,682	3,746	4,120	4,542	5,272	4,771	4,144	3,599	3,125	4,619	4,486	3,891
	HV	2,997	3,436	4,353	5,020	4,774	4,954	4,561	5,191	5,126	4,837	3,896	3,234	2,423	1,853	1,417	1,084	3,481	3,722	3,724
	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	10	9	12
	total	7469	8370	8842	9086	8003	8252	7645	8873	8871	8957	8438	8506	7194	5997	5016	4209			
	% HV	40	41	49	55	60	60	60	58	58	54	46	38	34	31	28	26			
	BNL	81	81	82	82	81	81	81	82	82	82	81	81	81	80	79	78			
	% HV	5	5	6	7	7	7	7	7	7	6	6	5	5	4	4	4			
	Gradient	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance	15	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	Average Level over 16 hr		
5407	LV	85.9	86.4	87.4	88.0	87.7	87.9	87.5	88.1	88.1	87.8	86.9	85.2	85.0	83.9	82.8	81.6	86.7		
	HV	15.9	16.4	17.4	18.0	17.7	17.9	17.5	18.1	18.1	17.8	16.9	16.2	15.0	13.9	12.8	11.6			
	SPD	15.9	16.4	17.4	18.0	17.7	17.9	17.5	18.1	18.1	17.8	16.9	16.2	15.0	13.9	12.8	11.6			
	total	101.8	102.8	104.8	106.0	105.4	105.8	105.0	106.2	106.2	105.6	103.8	101.1	100.2	97.8	96.6	93.2			
	% HV	16	19	20	21	21	21	21	20	20	19	17	16	15	14	13	12			
	BNL	81	81	82	82	81	81	81	82	82	82	81	81	81	80	79	78			
	% HV	5	5	6	7	7	7	7	7	7	6	6	5	5	4	4	4			
	Gradient	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance	15	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	Average Level over 16 hr		

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2006CTS3(815100)MAIN MODEL RUN-V107 SCII Prac Med Budget Toll with 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						
5407	LV	721	1,018	788	801	477	487	456	544	554	608	667	777	705	612	532	462	953	659	575						
	HV	335	379	485	563	536	556	512	583	575	560	499	387	272	208	159	122	384	477	418						
	SPD	33.0	33.0	33.0	38.0	38.0	38.0	38.0	38.0	38.0	36.0	36.0	36.0	36.0	38.0	38.0	38.0	33	36	38						
	total	1056	1397	1272	1164	1013	1043	968	1127	1129	1169	1166	1164	977	820	691	584									
	% HV	32	27	38	48	53	53	52	51	48	43	33	28	25	23	21										
	BNL	72	74	73	73	72	72	72	73	73	73	73	73	72	71	71	70									
	% HV	3	2	4	5	5	5	5	5	5	4	3	3	2	2	2										
	Gradient 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
	Distance 15	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1									
	Surface 1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0									
Angle 160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5										
Facade Noise Levels dB(A)	75.1	75.7	76.8	77.0	76.8	76.9	76.6	77.1	77.1	77.0	76.8	75.6	74.3	73.2	72.1	71.1	Average Level over 16 hr									
HKPSG Exceedances	5.1	5.7	6.6	7.0	6.8	6.9	6.6	7.1	7.1	7.0	6.6	5.6	4.3	3.2	2.1	1.1	75.9									
16 = number of hours exceeded 70 dB(A)																										
5409	LV	1,239	1,399	1,380	1,408	1,182	1,209	980	1,105	1,231	1,295	1,343	1,507	1,335	955	1,031	1,082	1,262	1,363	1,207						
	HV	873	1,373	1,411	1,521	1,531	1,314	1,301	1,437	1,395	1,588	1,456	1,414	1,001	779	863	595	1,283	1,447	1,190						
	SPD	32.0	32.0	32.0	34.0	34.0	34.0	34.0	34.0	34.0	33.5	33.5	33.5	33.5	34.0	34.0	34.0	32	34	34						
	total	2,112	2,771	2,791	2,929	2,713	2,523	2,281	2,542	2,626	2,883	2,799	2,921	2,336	1,735	1,694	1,677									
	% HV	41	50	51	52	56	52	57	53	55	52	48	43	45	39	35										
	BNL	75	77	77	77	77	75	76	76	76	77	77	77	76	75	74	74									
	% HV	4	5	5	5	5	5	5	5	5	5	5	4	4	4	3										
	Gradient 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
	Distance 12	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1									
	Surface 1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0									
Angle 160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5										
Facade Noise Levels dB(A)	79.9	81.7	81.8	82.1	82.1	81.5	81.4	81.8	81.7	82.3	81.9	81.8	80.4	79.3	78.7	78.3	Average Level over 16 hr									
HKPSG Exceedances	9.9	11.7	11.8	12.1	12.1	11.5	11.4	11.8	11.7	12.3	11.9	11.8	10.4	9.3	8.7	8.3	81.2									
16 = number of hours exceeded 70 dB(A)																										
5410	LV	1,656	1,977	1,873	1,855	1,558	1,593	1,292	1,457	1,622	1,675	1,829	1,909	1,780	1,259	1,359	1,426	1,783	1,653	1,591						
	HV	1,118	1,791	1,819	1,939	1,952	1,675	1,658	1,832	1,778	2,015	1,820	1,786	1,276	993	848	759	1,674	1,809	1,517						
	SPD	29.0	29.0	29.0	29.5	29.5	29.5	29.5	29.5	29.5	27.5	27.5	27.5	27.5	29.5	29.5	29.5	29	28	30						
	total	2,775	3,767	3,692	3,794	3,510	3,268	2,950	3,289	3,401	3,690	3,449	3,694	3,036	2,253	2,205	2,185									
	% HV	40	48	49	51	56	51	56	56	52	55	53	48	42	44	38	35									
	BNL	77	78	78	78	78	77	77	77	78	78	78	78	77	76	76	76									
	% HV	4	5	5	5	5	5	5	5	5	5	5	5	4	4	4	3									
	Gradient 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
	Distance 12	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1									
	Surface 1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0									
Angle 160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5										
Facade Noise Levels dB(A)	81.1	83.1	83.1	83.3	83.3	82.7	82.6	83.1	83.0	83.6	83.2	83.2	81.8	80.5	79.9	79.5	Average Level over 16 hr									
HKPSG Exceedances	11.1	13.1	13.1	13.3	13.3	12.7	12.6	13.1	13.0	13.6	13.2	13.2	11.8	10.5	9.9	9.5	82.5									
16 = number of hours exceeded 70 dB(A)																										
5411	LV	1,605	1,832	1,488	1,334	930	1,056	940	923	1,181	1,104	1,313	1,934	1,662	1,110	741	495	1,519	1,331	1,173						
	HV	453	543	741	969	835	751	713	774	786	754	708	588	459	291	181	113	520	677	605						
	SPD	40.0	40.0	40.0	42.5	42.5	42.5	42.5	42.5	42.5	40.5	40.5	40.5	40.5	42.5	42.5	42.5	40	41	43						
	total	2,058	2,374	2,229	2,304	1,764	1,807	1,653	1,698	1,947	1,858	2,021	2,522	2,131	1,401	923	608									
	% HV	22	23	33	42	47	42	43	46	39	41	35	23	22	21	20	19									
	BNL	75	76	76	76	75	75	74	74	75	75	75	76	75	74	72	70									
	% HV	2	2	3	4	5	4	4	4	4	4	3	2	2	2	1										
	Gradient 3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
	Distance 15	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1									
	Surface 1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0									
Angle 160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5										
Facade Noise Levels dB(A)	77.7	78.4	79.4	80.4	79.7	79.3	79.1	79.4	79.5	79.3	79.2	78.8	77.8	75.9	73.9	71.9	Average Level over 16 hr									
HKPSG Exceedances	7.7	8.4	9.4	10.4	9.7	9.3	9.1	9.4	9.5	9.3	9.2	8.8	7.8	5.9	3.9	1.9	78.6									
16 = number of hours exceeded 70 dB(A)																										
5418	LV	585	611	407	315	265	283	253	300	299	307	450	571	543	498	457	420	531	456	387						
	HV	306	281	263	292	271	233	219	192	230	240	298	235	182	141	109	84	268	283	209						
	SPD	31.0	31.0	31.0	32.5	32.5	32.5	32.5	32.5	32.5	32.0	32.0	32.0	32.0	32.5	32.5	32.5	31	32	33						
	total	891	892	670	606	536	516	472	492	529	547	748	806	725	639	566	504									
	% HV	34	31	39	48	51	45	46	39	44	44	40	29	25	22	19	17									
	BNL	72	72	70	70	69	69	69	69	69	70	71	71	71	70	70	69									
	% HV	3	3	4	5	5	4	4	4	4	4	3	2	2	1	1										
	Gradient 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
	Distance 50	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6									
	Surface 1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0									
Angle 160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5										
Facade Noise Levels dB(A)	70.1	69.8	69.3	69.6	69.3	68.7	68.4	67.9	68.7	68.8	69.8	69.0	68.0	67.0	66.1	65.1	Average Level over 16 hr									
HKPSG Exceedances	0.1	-0.2	-0.7	-0.4	-0.7	-1.3	-1.6	-2.1	-1.3	-1.2	-0.2	-1.0	-2.0	-3.0	-3.9	-4.9	68.7									
0 = number of hours exceeded 70 dB(A)																										
5419	LV	2,001	2,679	1,919	1,597	1,547	1,497	1,481	1,618	1,708	1,673	2,022	2,230	2,090	1,884	1,698	1,530	2,500	2,005	1,703						
	HV	1,417	1,345	1,750	1,980	1,931	1,841	1,854	1,913	1,922	1,847	1,608	1,421	1,293	1,061	870	714	1,374	1,557	1,571						
	SPD	21.5	21.5	21.5	22.5	22.5	22.5	22.5	22.5	22.5	22.0	22.0	22.0	22.0	22.5	22.5	22.5	22	22	23						
	total	3,417	4,024	3,668	3,577	3,478	3,338	3,335	3,531	3,630	3,520	3,630	3,651	3,383	2,944	2,568	2,244									
	% HV	41	33	48	55	56	55	56	54	53	52	44	39	38	36	34	32									
	BNL	78	78	78	78	78	77	77	78	78	78	78	78	78	77	77	76									
	% HV	5	4	6	6	6	6	6	6	6	6	5	5	5	4	4	4									
	Gradient 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
	Distance 12	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1									
	Surface 1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0									
Angle 160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5										
Facade Noise Levels dB(A)	83.0	82.9</																								

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2006CTS3(815100)MAIN MODEL RUN-V107 SCII Prac Med Budget Toll with New Bus

Future Year Hourly Traffic Volume (veh.) or Speed (km/hr)																		Model Output		
2006CTS3(815100)MAIN MODEL RUN-V107 SCII Prac Med Budget Toll with New Bus																		AM	PM	OP
Stn.		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22			
5421	LV	405	331	249	218	218	210	209	238	218	269	352	419	347	256	189	140	300	352	250
	HV	106	130	141	156	152	133	131	145	165	162	171	151	123	77	48	30	129	169	120
	SPD	48.0	48.0	48.0	48.5	48.5	48.5	48.5	48.5	48.5	47.0	47.0	47.0	47.0	46.5	45.5	45.5	48	47	49
	total	512	461	390	374	370	343	340	383	382	431	522	570	470	333	237	170			
	% HV	21	28	36	42	41	39	38	38	43	38	33	26	26	23	20	18			
	BNL	69	69	68	68	68	68	68	68	68	69	69	70	69	67	66	64			
	% HV	2	3	4	4	4	4	4	4	4	4	3	3	3	2	2	2			
Gradient	3	Gradient	1	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)	72.6	73.0	73.1	73.5	73.4	72.9	72.8	73.3	73.7	73.7	74.0	73.7	72.9	71.0	69.2	67.3			
	HKPSG Exceedances	2.6	3.0	3.1	3.5	3.4	2.9	2.8	3.3	3.7	3.7	4.0	3.7	2.9	1.0	-0.8	-2.7			
		14	= number of hours exceeded 70 dB(A)																	
5463	LV	558	850	861	780	712	634	757	888	791	871	736	832	888	604	560	492	803	741	737
	HV	649	623	669	905	897	820	715	841	953	823	757	791	527	343	192	202	591	728	672
	SPD	43.0	43.0	43.0	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	43	41	41
	total	1307	1473	1530	1686	1609	1454	1472	1729	1744	1694	1493	1622	1415	948	752	694			
	% HV	50	42	44	54	56	56	49	49	55	49	51	49	37	36	26	29			
	BNL	73	74	74	74	74	74	74	75	75	74	74	74	74	72	71	71			
	% HV	5	4	4	5	5	5	5	5	5	5	5	5	4	4	2	3			
	% HV	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Gradient	3	Gradient	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Distance	20	Distance	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-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	77.5	77.8	78.9	78.9	78.5	78.0	78.7	79.1	78.6	78.2	78.4	76.8	75.0	72.8	72.9			
	HKPSG Exceedances	7.6	7.5	7.8	8.9	8.9	8.5	8.0	8.7	9.1	8.6	8.2	8.4	6.8	5.0	2.8	2.9			
		16	= number of hours exceeded 70 dB(A)																	
5467	LV	600	566	405	332	279	298	266	316	315	313	411	563	572	525	482	442	492	416	408
	HV	245	184	199	245	228	196	184	161	193	193	212	180	153	118	91	71	176	201	175
	SPD	48.2	48.2	48.2	49.7	49.7	49.7	49.7	49.7	49.7	49.2	49.2	49.2	49.2	49.7	49.7	49.7	48	49	50
	total	844	751	603	578	507	494	450	477	508	506	623	744	724	643	573	513			
	% HV	29	25	33	42	45	40	41	34	38	38	34	24	21	18	16	14			
	BNL	71	71	70	70	69	69	69	69	69	69	70	71	71	70	70	69			
	% HV	3	2	3	4	5	4	4	4	4	4	4	3	2	2	2	2			
	% HV	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
Gradient	6	Gradient	2	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	-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)	71.3	70.3	70.3	71.0	70.6	70.1	69.8	69.4	70.1	70.0	70.5	70.2	69.7	68.8	67.9	67.1			
	HKPSG Exceedances	1.3	0.3	0.3	1.0	0.6	0.1	-0.2	-0.6	0.1	0.0	0.5	0.2	-0.3	-1.2	-2.1	-2.9			
		4	= number of hours exceeded 70 dB(A)																	
5480	LV	1,743	1,803	1,796	1,573	1,338	1,591	1,857	1,343	1,614	1,903	1,844	2,059	2,132	1,829	1,568	1,344	1,727	1,837	1,672
	HV	1,913	1,971	2,641	3,106	3,301	2,902	3,266	3,138	2,934	3,005	2,419	2,409	1,673	1,489	1,324	1,178	1,908	2,303	2,503
	SPD	59.0	59.0	59.0	53.0	53.0	53.0	53.0	53.0	53.0	57.0	57.0	57.0	57.0	57.0	53.0	53.0	59	57	53
	total	3656	3773	4437	4679	4639	4493	4913	4481	4548	4908	4262	4467	3806	3317	2892	2522			
	% HV	52	52	60	66	71	65	66	70	65	61	57	54	44	45	46	47			
	BNL	78	78	79	79	79	79	79	79	79	79	79	79	78	77	77	76			
	% HV	6	6	6	6	6	6	6	6	6	6	6	6	5	5	5	5			
	% HV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Gradient	0	Gradient	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4			
Distance	30	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			
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	80.6	81.8	82.1	82.3	81.8	82.3	82.1	81.9	82.2	81.3	81.3	79.9	79.2	78.7	78.1			
	HKPSG Exceedances	10.5	10.6	11.8	12.1	12.3	11.8	12.3	12.1	11.9	12.2	11.3	11.3	9.9	9.2	8.7	8.1			
		16	= number of hours exceeded 70 dB(A)																	
5496	LV	113	95	95	95	91	93	72	89	98	89	94	110	113	87	89	83	88	88	96
	HV	1,305	1,499	1,920	2,193	2,017	1,525	1,988	2,146	2,104	2,062	1,583	1,689	1,248	899	649	447	1,485	1,592	1,591
	SPD	63.0	63.0	63.0	61.5	61.5	61.5	61.5	61.5	61.5	62.0	62.0	62.0	62.0	61.5	61.5	61.5	63	62	62
	total	1419	1595	2015	2288	2108	1618	2060	2235	2203	2151	1676	1798	1361	987	737	529			
	% HV	92	94	95	96	96	94	96	96	96	96	94	94	92	91	88	84			
	BNL	74	74	75	76	75	74	75	76	76	76	74	75	74	72	71	69			
	% HV	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	7			
	% HV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Gradient	0	Gradient	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4			

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2006CTS3(815100)MAIN MODEL RUN-V107 SCII Prac Med Budget Toll with 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	
5606	LV	2,927	2,066	1,729	1,627	1,530	1,567	1,564	1,780	1,617	1,868	1,839	2,681	2,593	1,915	1,415	1,045	1,873	1,841	1,869	
	HV	1,022	986	1,259	1,602	1,565	1,365	1,340	1,490	1,897	1,538	1,255	1,313	1,266	789	492	307	979	1,241	1,232	
	SPD	82.5	82.5	82.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	83	80	80	
	total	3949	3052	2988	3229	3195	2932	2904	3269	3314	3406	3093	3994	3859	2705	1907	1352				
	% HV	26	32	42	50	49	47	46	46	51	45	41	33	33	29	26	23				
	BNL	78	77	77	77	77	77	77	77	77	78	77	78	78	77	75	74				
	% HV	5	6	6	7	7	6	6	6	7	6	6	5	5	5	5	4				
	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			
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)		77.3	76.8	77.5	78.2	78.1	77.6	77.5	78.0	78.4	78.1	77.4	77.8	77.7	75.8	73.9	72.1	77.3			
HKPSG Exceedances		7.3	6.8	7.5	8.2	8.1	7.6	7.5	8.0	8.4	8.1	7.4	7.8	7.7	5.8	3.9	2.1				
		16 = number of hours exceeded 70 dB(A)																			
5607	LV	3,890	4,235	3,467	3,358	3,254	3,149	3,115	3,403	3,592	3,428	3,799	4,448	4,396	3,962	3,571	3,218	3,952	3,767	3,582	
	HV	1,823	1,733	2,252	2,548	2,485	2,368	2,384	2,481	2,473	2,390	2,119	1,850	1,863	1,365	1,120	919	1,770	2,052	2,021	
	SPD	23.0	23.0	23.0	24.0	24.0	24.0	24.0	24.0	24.0	22.0	22.0	22.0	22.0	24.0	24.0	24.0	23	22	24	
	total	5713	5968	5719	5906	5739	5517	5500	5884	6064	5818	5919	6296	6059	5326	4690	4136				
	% HV	32	29	39	43	43	43	43	42	41	41	36	29	27	26	24	22				
	BNL	80	80	80	80	80	80	80	80	80	80	80	80	80	79	79	78				
	% HV	4	3	5	5	5	5	5	5	5	5	4	4	3	3	3	2				
	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			
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)		84.0	83.9	84.8	85.2	85.1	84.9	84.9	85.1	85.1	85.3	84.8	84.3	83.9	82.8	82.0	81.2	84.3			
HKPSG Exceedances		14.0	13.9	14.8	15.2	15.1	14.9	14.9	15.1	15.1	15.3	14.8	14.3	13.9	12.8	12.0	11.2				
		16 = number of hours exceeded 70 dB(A)																			
5609	LV	2,612	3,159	2,968	2,916	2,449	2,505	2,030	2,290	2,550	2,636	2,577	3,009	2,767	1,980	2,136	2,242	2,850	2,615	2,501	
	HV	1,661	2,191	2,550	3,037	3,057	2,623	2,597	2,869	2,785	3,093	2,610	2,682	1,999	1,556	1,325	1,189	2,048	2,594	2,376	
	SPD	35.0	35.0	35.0	34.0	34.0	34.0	34.0	34.0	34.0	32.5	32.5	32.5	32.5	34.0	34.0	34.0	35	33	34	
	total	4274	5350	5515	5953	5506	5128	4627	5159	5336	5729	5187	5692	4766	3536	3461	3431				
	% HV	39	41	46	51	56	51	56	56	52	54	50	47	42	44	38	35				
	BNL	79	79	80	80	80	79	79	79	79	80	79	80	79	78	78	78				
	% HV	4	4	4	5	5	5	5	5	5	5	5	5	4	4	4	3				
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	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)		82.5	83.8	84.4	85.1	85.1	84.5	84.4	84.8	84.7	85.2	84.5	84.7	83.4	82.3	81.7	81.3	84.1			
HKPSG Exceedances		12.6	13.8	14.4	15.1	15.1	14.5	14.4	14.8	14.7	15.2	14.5	14.7	13.4	12.3	11.7	11.3				
		16 = number of hours exceeded 70 dB(A)																			
5610	LV	1,656	1,977	1,873	1,855	1,558	1,593	1,292	1,457	1,622	1,675	1,629	1,909	1,760	1,259	1,359	1,426	1,783	1,653	1,591	
	HV	1,118	1,791	1,819	1,939	1,952	1,675	1,658	1,832	1,778	2,015	1,820	1,786	1,276	993	846	759	1,674	1,809	1,517	
	SPD	29.0	29.0	29.0	29.5	29.5	29.5	29.5	29.5	29.5	27.5	27.5	27.5	27.5	29.5	29.5	29.5	29	28	30	
	total	2775	3767	3692	3794	3510	3268	2950	3289	3401	3690	3449	3694	3036	2253	2205	2185				
	% HV	40	48	49	51	56	51	56	56	52	55	53	48	42	44	38	35				
	BNL	77	78	78	78	78	77	77	77	78	78	78	78	77	76	76	76				
	% HV	4	5	5	5	5	5	5	5	5	5	5	5	4	4	4	3				
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	Distance	12	-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)		81.1	83.1	83.1	83.3	83.3	82.7	82.6	83.1	83.0	83.6	83.2	83.2	81.8	80.5	79.9	79.5	82.5			
HKPSG Exceedances		11.1	13.1	13.1	13.3	13.3	12.7	12.6	13.1	13.0	13.6	13.2	13.2	11.8	10.5	9.9	9.5				
		16 = number of hours exceeded 70 dB(A)																			
5612	LV	1,743	1,803	1,796	1,573	1,338	1,591	1,657	1,343	1,614	1,903	1,844	2,059	2,132	1,829	1,568	1,344	1,727	1,837	1,672	
	HV	1,913	1,971	2,841	3,106	3,301	2,902	3,258	3,138	2,934	3,005	2,419	2,409	1,673	1,489	1,324	1,178	1,908	2,303	2,503	
	SPD	59.0	59.0	59.0	53.0	53.0	53.0	53.0	53.0	53.0	57.0	57.0	57.0	57.0	53.0	53.0	53.0	59	57	53	
	total	3656	3773	4437	4679	4639	4493	4913	4481	4548	4908	4262	4467	3806	3317	2892	2522				
	% HV	52	52	60	66	71	65	66	70	65	61	57	54	44	45	46	47				
	BNL	78	78	79	79	79	79	79	79	79	79	79	78	79	78	77	77				
	% HV	6	6	6	6	6	6	6	6	6	6	6	6	5	5	5	5				
	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)		83.8	83.9	85.1	85.4	85.7	85.2	85.7	85.5	85.2	85.5	84.7	84.7	83.3	82.5	82.0	81.5	84.5			
HKPSG Exceedances		13.8	13.9	15.1	15.4	15.7	15.2	15.7	15.5	15.2	15.5	14.7	14.7	13.3	12.5	12.0	11.5				
		16 = number of hours exceeded 70 dB(A)																			
5620	LV	1,594	2,072	1,624	1,321	903	944	1,150	1,424	1,300	1,294	1,456	1,547	1,202	1,078	1,058	913	1,756	1,411	1,227	
	HV	1,367	1,151	1,131	1,276	1,624	1,382	1,131	1,324	1,972	1,497	1,271	1,632	1,189	928	812					

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2006CTS3(815100)MAIN MODEL RUN-V107 SCII Prac Med Budget Toll with 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
5656	LV	1,777	1,980	1,306	1,037	1,029	1,020	1,029	1,024	1,123	1,118	1,386	1,771	1,498	1,175	922	723	1,799	1,358	1,152
	HV	1,432	1,704	1,890	2,726	2,617	2,109	2,080	2,169	2,070	1,992	2,103	1,799	1,589	1,254	990	781	1,655	1,990	1,834
	SPD	80.0	80.0	80.0	81.3	81.3	81.3	81.3	81.3	81.3	79.8	79.8	79.8	79.8	81.3	81.3	81.3	80	80	81
	total	3208	3684	3196	3763	3646	3129	3109	3192	3193	3111	3489	3570	3087	2429	1911	1504			
	% HV	45	46	59	72	72	67	67	68	65	64	60	50	51	52	52	52			
	BNL	77	78	77	78	78	77	77	77	77	77	78	78	77	76	75	74			
	% HV	6	6	7	8	8	8	8	8	8	8	7	7	7	7	7	7			
	Gradient 0	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			
5673	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)	79.2	79.9	80.1	81.6	81.4	80.6	80.5	80.7	80.5	80.3	80.6	80.0	79.5	78.6	77.5	76.5	80.0		
	HKPSG Exceedances	9.2	9.9	10.1	11.6	11.4	10.6	10.5	10.7	10.5	10.3	10.5	10.0	9.5	8.6	7.5	6.5			
	16	= number of hours exceeded 70 dB(A)																		
	LV	2,332	2,614	1,718	1,358	1,347	1,335	1,347	1,341	1,471	1,473	1,869	2,349	1,962	1,539	1,207	947	2,375	1,830	1,508
	HV	1,180	1,307	1,524	2,290	2,199	1,772	1,748	1,822	1,739	1,668	1,740	1,500	1,335	1,054	831	656	1,269	1,646	1,541
	SPD	84.0	84.0	84.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	84	83	83
	total	3511	3921	3241	3649	3546	3108	3095	3163	3210	3141	3608	3849	3297	2592	2038	1603			
	% HV	34	33	47	63	62	57	56	58	54	53	48	39	40	41	41	41			
	BNL	78	78	77	78	78	77	77	77	77	77	78	78	77	76	75	74			
5679	Gradient 0	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			
	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)	80.4	80.9	81.1	82.5	82.3	81.5	81.4	81.6	81.5	81.3	81.5	81.2	80.6	79.6	78.6	77.5	81.0		
	HKPSG Exceedances	10.4	10.9	11.1	12.5	12.3	11.5	11.4	11.6	11.5	11.3	11.6	11.2	10.6	9.6	8.6	7.5			
	16	= number of hours exceeded 70 dB(A)																		
	LV	1,290	1,220	1,046	793	646	594	588	731	670	677	651	992	1,027	803	628	492	1,059	648	789
	HV	296	290	319	307	326	277	341	395	370	367	307	294	228	175	134	103	279	301	281
	SPD	34.5	34.5	34.5	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	35	36	36
	total	1586	1510	1366	1100	972	871	929	1126	1040	1044	958	1285	1255	979	763	595			
	% HV	19	19	23	28	34	32	37	35	36	35	32	23	18	18	18	17			
	BNL	74	74	74	73	72	72	72	73	72	72	72	73	73	72	71	70			
5691	Gradient 0	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			
	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)	72.5	72.3	72.5	72.2	72.3	71.7	72.4	73.1	72.8	72.8	72.1	72.2	71.4	70.2	69.1	68.0	71.9		
	HKPSG Exceedances	2.5	2.3	2.5	2.2	2.3	1.7	2.4	3.1	2.8	2.8	2.1	2.2	1.4	0.2	-0.9	-2.0			
	13	= number of hours exceeded 70 dB(A)																		
	LV	3,078	2,746	2,460	1,914	1,560	1,434	1,420	1,765	1,618	1,630	1,540	2,376	2,479	1,940	1,517	1,187	2,383	1,532	1,905
	HV	591	539	624	622	661	562	691	801	750	736	595	583	463	355	273	209	519	584	570
	SPD	62.0	62.0	62.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	62	68	68
	total	3668	3285	3084	2536	2221	1996	2111	2567	2367	2366	2135	2960	2942	2295	1790	1396			
	% HV	16	16	20	25	30	28	33	31	32	31	28	20	16	15	15	15			
	BNL	78	77	77	76	76	75	75	76	76	76	76	77	77	76	75	74			
5806	Gradient 0	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			
	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)	73.1	72.9	73.7	74.5	74.5	73.9	73.8	74.3	74.8	74.5	73.7	74.0	73.8	71.8	69.9	67.9	73.5		
	HKPSG Exceedances	3.1	2.9	3.7	4.6	4.5	3.9	3.8	4.3	4.8	4.5	3.7	4.0	3.8	1.8	-0.1	-2.1			
	14	= number of hours exceeded 70 dB(A)																		
	LV	4,031	4,238	3,885	3,496	2,390	2,499	3,045	3,769	3,441	3,347	3,461	3,900	3,182	2,854	2,800	2,417	3,592	3,354	3,248
	HV	2,526	2,117	2,089	2,361	3,004	2,557	2,092	2,450	3,648	2,783	2,409	3,050	2,200	1,717	1,502	1,610	1,987	2,400	2,435
	SPD	76.0	76.0	76.0	75.0	75.0	75.0	75.0	75.0	75.0	74.5	74.5	74.5	74.5	75.0	75.0	75.0	76	75	75
	total	6558	6356	5974	5857	5394	5056	5138	6219	7090	6130	5870	6949	5382	4571	4302	4027			
	% HV	39	33	35	40	56	51	41	39	51	45	41	44	41	38	35	40			
	BNL	80	80	80	80	80	79	79	80	81	80	80	81	80	79	79	78			
5807	Gradient 0	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	-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			
	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)	84.4	83.8	83.7	84.0	84.7	84.1	83.4	84.1	85.6	84.5	84.0	84.9	83.6	82.7	82.2	82.3	84.0		
	HKPSG Exceedances	14.4	13.8	13.7	14.0	14.7	14.1	13.4	14.1	15.8	14.5	14.0	14.9	13.6	12.7	12.2	12.3			
	16	= number of hours exceeded 70 dB(A)																		

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2006CTS3(815100)MAIN MODEL RUN-V107 SCII Prac Med Budget Toll with New Bus

		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
5810	LV	1,602	2,063	1,859	1,754	1,473	1,507	1,221	1,378	1,534	1,623	1,713	1,899	1,855	1,191	1,285	1,349	1,879	1,738	1,505
	HV	1,085	1,590	1,717	1,930	1,943	1,567	1,551	1,823	1,770	2,002	1,797	1,770	1,270	989	842	755	1,487	1,786	1,510
	SPD	34.0	34.0	34.0	34.8	34.8	34.8	34.8	34.8	34.8	34.5	34.5	34.5	34.5	34.8	34.8	34.8	34	35	35
	total	2,587	3,653	3,576	3,684	3,416	3,174	2,872	3,201	3,304	3,625	3,509	3,669	2,935	2,180	2,127	2,104			
	% HV	40	43	48	52	57	53	57	57	54	55	51	48	43	45	40	36			
	BNL	76	78	78	78	78	77	77	77	77	78	78	78	77	76	75	75			
	% HV	4	4	5	5	5	5	5	5	5	5	5	5	4	4	4	3			
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance	-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			
5816	LV	1,218	1,516	1,164	975	945	915	905	989	1,044	1,027	1,257	1,374	1,278	1,151	1,038	935	1,508	1,246	1,041
	HV	773	814	985	1,049	1,023	975	982	1,013	1,018	1,009	967	802	685	562	461	378	832	936	832
	SPD	24.0	24.0	24.0	25.5	25.5	25.5	25.5	25.5	25.5	23.5	23.5	23.5	23.5	23.5	25.5	25.5	24	24	26
	total	1,991	2,430	2,149	2,025	1,969	1,890	1,887	2,002	2,062	2,036	2,223	2,176	1,962	1,713	1,499	1,313			
	% HV	39	34	46	52	52	52	51	49	50	43	37	35	33	31	29				
	BNL	75	76	76	75	75	75	75	75	75	75	76	76	75	75	74	73			
	% HV	4	4	5	5	5	5	5	5	5	5	5	4	4	4	3	3			
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance	-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			
5818	LV	580	791	560	459	445	431	426	466	491	478	568	634	601	542	488	440	738	563	490
	HV	435	496	569	576	562	536	539	556	559	567	576	459	376	309	253	208	507	558	457
	SPD	27.0	27.0	27.0	29.5	29.5	29.5	29.5	29.5	27.0	27.0	27.0	27.0	27.0	29.5	29.5	29.5	27	27	30
	total	1,015	1,287	1,129	1,035	1,007	966	965	1,022	1,050	1,045	1,144	1,094	977	851	742	648			
	% HV	43	39	50	56	56	55	56	54	53	54	50	42	38	36	34	32			
	BNL	72	73	73	72	72	72	72	72	72	72	73	73	72	71	71	70			
	% HV	4	4	5	5	5	5	5	5	5	5	5	4	4	4	3	3			
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance	-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			
5823	LV	329	475	371	282	323	302	296	320	327	327	320	356	371	296	375	314	434	314	326
	HV	1,028	1,039	1,398	1,727	1,423	1,366	1,517	1,511	1,553	1,410	1,283	1,047	834	602	394	422	1,080	1,193	1,174
	SPD	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	23.5	23.5	23.5	23.5	24.0	24.0	24.0	24	24	24
	total	1,356	1,514	1,768	2,009	1,745	1,668	1,814	1,871	1,871	1,737	1,603	1,402	1,204	898	769	737			
	% HV	76	69	79	86	82	82	84	83	83	81	80	75	69	67	51	57			
	BNL	74	74	75	75	75	74	75	75	75	74	74	74	73	72	71	71			
	% HV	7	7	7	8	7	7	7	7	7	7	7	7	7	7	6	6			
	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			
5834	LV	1,940	2,282	1,813	1,603	1,117	1,268	1,129	1,109	1,419	1,331	1,508	2,342	1,996	1,333	891	595	1,892	1,530	1,409
	HV	604	725	988	1,292	1,113	1,001	951	1,033	1,022	1,002	931	778	625	388	241	150	694	889	806
	SPD	42.0	42.0	43.5	43.5	43.5	43.5	43.5	43.5	42.5	42.5	42.5	42.5	42.5	43.5	43.5	43.5	42	43	44
	total	2,544	3,007	2,801	2,895	2,230	2,269	2,080	2,142	2,440	2,333	2,539	3,120	2,621	1,722	1,132	745			
	% HV	24	24	35	45	50	44	46	48	42	43	37	25	24	23	21	20			
	BNL	76	77	77	77	76	76	75	76	76	76	76	76	77	76	75	73			
	% HV	2	2	3	4	5	4	4	5	4	4	4	2	2	2	2	2			
	Gradient	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3			
	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			
5852	LV	440	407	370	270	225	215	221	224	247	248	306	435	555	419	315	239	363	320	316
	HV	527	451	581	579	587	509	571	617	653	592	531	532	512	331	214	139	461	525	495
	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	18	19
	total	966	858	931	849	812	725	792	842	900	840	837	967	1,068	750	530	377			
	% HV	54	53	60	68	72	70	72	73	73	73	71	71	72	72	71	69			
	BNL	72	72	72	71	71	71	71	71	72	71	71	71	72	71	69	68			
	% HV	7	6	7	7	8	8	8	8	8	8	8	7	7	6	5	5			
	Gradient	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
	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			

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2006CTS3(815100)MAIN MODEL RUN-V107 SCII Prac Med Budget Toll with 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	570	631	631	651	548	559	453	511	569	583	553	659	617	442	477	500	569	551	558
	HV	397	669	657	677	582	585	579	640	621	595	603	608	446	347	295	265	625	599	530
	SPD	29.0	29.0	29.0	28.0	28.0	28.0	28.0	28.0	28.0	30.5	30.5	30.5	30.5	28.0	28.0	28.0	29	31	28
	total	967	1299	1288	1328	1228	1144	1032	1151	1190	1278	1155	1267	1063	789	772	765			
	% HV	41	51	51	51	56	51	56	56	52	54	52	48	42	44	38	35			
	BNL	72	73	73	73	73	73	72	73	73	73	73	73	72	71	71	71			
	% HV	4	5	5	5	5	5	5	5	5	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	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	1466	1419	1428	1220	783	738	524	460	693	685	990	1,173	1,409	1,040	874	821	1,284	1,029	934
	HV	905	1,025	1,118	1,076	826	597	812	866	850	837	970	1,297	935	654	670	711	930	1,034	857
	SPD	25.5	25.5	25.5	27.0	27.0	27.0	27.0	27.0	27.0	27.5	27.5	27.5	27.5	27.0	27.0	27.0	26	26	27
	total	2372	2444	2546	2297	1609	1335	1336	1326	1543	1522	1960	2470	2343	1694	1544	1532			
	% HV	38	42	44	47	51	45	61	55	55	49	53	40	39	43	46				
	BNL	76	76	76	76	74	73	73	73	74	74	75	76	76	74	74	74			
	% HV	4	5	5	5	5	5	6	5	5	5	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	Average Level over 16 hr		
	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	79.8	80.8	
6030	LV	271	336	255	205	197	201	156	192	212	202	256	267	244	189	191	179	307	250	207
	HV	61	73	90	101	93	70	91	98	97	100	93	87	57	41	30	20	72	94	73
	SPD	36.5	36.5	36.5	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	37	38	38
	total	332	409	345	306	289	271	247	291	309	303	359	354	301	230	221	199			
	% HV	18	18	26	33	32	26	37	34	31	33	26	25	19	18	13	10			
	BNL	67	68	68	67	67	67	66	67	67	67	68	68	67	66	66	65			
	% HV	1	1	2	3	3	2	4	3	3	3	2	2	1	1	0	0			
	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	1,248	1,054	1,044	1,050	1,006	1,029	797	983	1,085	973	1,009	1,199	1,248	965	877	915	962	949	1,059
	HV	763	1,016	1,174	1,229	1,131	855	1,115	1,203	1,180	1,222	1,122	1,060	700	504	364	250	1,007	1,129	892
	SPD	27.0	27.0	27.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	27	26	26
	total	2,011	2,070	2,218	2,279	2,136	1,884	1,911	2,186	2,265	2,195	2,131	2,258	1,947	1,469	1,341	1,166			
	% HV	38	49	53	54	53	45	58	55	52	56	53	47	36	34	27	21			
	BNL	75	75	76	76	75	75	75	76	76	76	75	76	75	74	73	73			
	% HV	4	5	5	5	5	5	6	6	5	6	5	5	4	4	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		
6040	LV	2,291	1,807	1,395	1,240	1,243	1,195	1,192	1,357	1,233	1,453	1,560	2,135	1,977	1,460	1,079	797	1,638	1,562	1,425
	HV	839	1,096	1,247	1,218	1,062	1,043	1,180	1,321	1,240	1,143	1,101	986	615	363	239	200	977	1,131	959
	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	12	12	14
	total	3,130	2,790	2,491	2,487	2,257	2,235	2,516	2,554	2,693	2,703	3,236	2,963	2,075	1,462	1,036				
	% HV	27	35	44	50	47	47	46	52	46	42	34	33	30	26	23				
	BNL	77	77	76	76	76	76	76	76	76	77	77	77	77	75	74	72			
	% HV	4	5	6	6	6	6	6	6	6	6	5	5	4	4	3				
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	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	289	236	317	349	319	284	339	398	354	398	361	388	398	271	251	220	223	364	330
	HV	398	384	411	554	549	501	437	515	583	513	505	503	323	210	118	124	365	486	411
	SPD	72.0	72.0	72.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	72	70	70
	total	687	620	727	903	867	786	776	912	937	911	866	891	720	481	368	344			
	% HV	60	62	56	61	63	64	56	56	56	56	56	56	45	44	32	36			
	BNL	70	70	71	72	72	71	71	72	72	72	72	72	71	69	68	68			
	% HV	7	7	7	7	7	7	6	6	6	6	6	6	6	6	5	5			
	Gradient	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
	Distance	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3			
	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

2006CTS3(815100)MAIN MODEL RUN-V107 SCII Prac Med Budget Toll with 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	2,137	1,733	1,312	1,148	1,151	1,106	1,104	1,256	1,142	1,352	1,482	1,998	1,831	1,352	999	738	1,572	1,484	1,320		
	HV	754	684	917	1,194	1,167	1,017	999	1,111	1,265	1,148	942	982	944	589	367	229	690	932	919		
	SPD	41.8	41.8	41.6	41.3	41.3	41.3	41.3	41.3	40.3	40.3	40.3	40.3	40.3	41.3	41.3	41.3					
	total	2890	2428	2229	2343	2318	2124	2103	2387	2407	2500	2424	2980	2775	1941	1368	966					
	% HV	26	29	41	51	50	48	48	47	53	46	39	33	34	30	27	24					
	BNL	77	76	76	76	76	75	75	76	76	76	76	77	77	75	74	72					
	% HV	2	3	4	5	5	5	5	4	5	4	4	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	-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	80.1	81.0	82.0	81.9	81.3	81.2	81.7	82.2	81.8	81.1	81.4	81.2	79.3	77.4	75.4	80.9				
HKPSG Exceedances		10.5	10.1	11.0	12.0	11.9	11.3	11.2	11.7	12.2	11.8	11.1	11.4	11.2	9.3	7.4	5.4					
		16	= number of hours exceeded 70 dB(A)																			
6059	LV	967	1,204	909	731	700	716	554	684	755	799	1,399	1,163	868	672	680	637	1,099	1,316	737		
	HV	1,000	949	1,397	1,754	1,613	1,219	1,590	1,717	1,683	1,598	1,083	1,263	998	719	519	357	941	1,090	1,273		
	SPD	40.5	40.5	40.5	39.8	39.8	39.8	39.8	39.8	39.8	39.3	39.3	39.3	39.3	39.8	39.8	39.8	41	39	40		
	total	1967	2153	2306	2484	2313	1935	2145	2401	2438	2397	2482	2426	1866	1391	1199	894					
	% HV	51	44	61	71	70	63	74	72	69	67	44	52	53	52	43	36					
	BNL	75	76	76	76	76	75	76	76	76	76	76	76	75	74	73	72					
	% HV	5	4	5	6	6	6	6	6	6	6	4	5	5	5	4	3					
	Gradient	0	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
	Distance	21	Distance	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-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	Average Level over 16 hr				
Facade Noise Levels dB(A)		78.3	78.2	79.8	80.6	80.2	79.0	80.1	80.5	80.4	80.2	78.7	79.3	78.2	76.8	75.5	74.0	79.1				
HKPSG Exceedances		8.3	8.2	9.6	10.6	10.2	9.0	10.1	10.5	10.4	10.2	8.7	9.3	8.2	6.8	5.5	4.0					
		16	= number of hours exceeded 70 dB(A)																			
6201	LV	4,609	5,216	4,654	4,159	3,302	3,374	3,154	3,767	3,831	4,206	4,601	5,369	4,880	4,238	3,681	3,197	4,883	4,544	3,980		
	HV	3,058	3,480	4,431	5,133	4,882	5,085	4,664	5,308	5,241	4,939	3,957	3,296	2,477	1,895	1,449	1,109	3,525	3,781	3,808		
	SPD	55.0	55.0	55.0	57.0	57.0	57.0	57.0	57.0	57.0	54.5	54.5	54.5	54.5	57.0	57.0	57.0	55	55	57		
	total	7667	8695	9096	9292	8184	8439	7818	9074	9073	9144	8558	8665	7358	6133	5130	4305					
	% HV	40	40	49	55	60	60	80	58	58	54	46	38	34	31	28	26					
	BNL	81	82	82	82	81	81	81	82	82	82	82	82	81	80	79	79					
	% HV	4	4	5	6	6	6	6	6	6	5	5	4	4	4	3	3					
	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	-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)		85.1	85.7	86.5	87.2	86.9	87.1	86.7	87.3	87.2	86.9	86.1	85.4	84.3	83.4	82.3	81.3	85.9				
HKPSG Exceedances		15.1	15.7	16.5	17.2	16.9	17.1	16.7	17.3	17.2	16.9	16.1	15.4	14.3	13.4	12.3	11.3					
		16	= number of hours exceeded 70 dB(A)																			
6203	LV	2,257	2,863	2,598	2,487	2,089	2,136	1,731	1,953	2,175	2,330	2,551	2,759	2,360	1,688	1,822	1,912	2,583	2,589	2,133		
	HV	1,068	1,271	1,595	1,999	2,012	1,727	1,710	1,889	1,833	1,971	1,472	1,649	1,316	1,024	872	782	1,188	1,463	1,564		
	SPD	36.0	36.0	36.0	35.5	35.5	35.5	35.5	35.5	35.5	34.0	34.0	34.0	34.0	35.5	35.5	35.5	36	34	36		
	total	3325	4134	4193	4486	4101	3863	3441	3842	4009	4301	4023	4408	3676	2713	2694	2695					
	% HV	32	31	38	45	49	45	50	49	46	46	37	37	36	38	32	29					
	BNL	77	78	78	79	78	78	78	78	78	79	78	79	78	77	77	77					
	% HV	3	3	4	4	5	4	5	5	4	4	4	4	3	4	3	3					
	Gradient	3	Gradient	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
	Distance	12	Distance	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-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)		81.8	82.5	83.4	84.2	84.2	83.6	83.5	83.9	83.9	84.2	83.1	83.5	82.6	81.5	80.9	80.5	83.1				
HKPSG Exceedances		11.8	12.5	13.4	14.2	14.2	13.6	13.5	13.9	13.9	14.2	13.1	13.5	12.6	11.5	10.9	10.5					
		16	= number of hours exceeded 70 dB(A)																			
6213	LV	1,868	2,426	2,077	1,563	1,329	1,581	1,647	1,334	1,603	2,015	2,377	2,326	2,118	1,816	1,558	1,336	2,324	2,369	1,861		
	HV	1,625	1,937	2,335	2,550	2,710	2,383	2,673	2,576	2,409	2,513	2,174	2,057	1,374	1,222	1,087	967	1,876	2,070	2,055		
	SPD	49.0	49.0	49.0	50.5	50.5	50.5	50.5	50.5	50.5	47.0	47.0	47.0	47.0	50.5	50.5	50.5	49	47	51		
	total	3493	4363	4413	4113	4040	3963	4319	3911	4012	4528	4551	4383	3492	3039	2645	2303					
	% HV	47	44	53	62	67	60	62	66	60	55	48	47	39	40	41	42					
	BNL	78	79	79	78	78	78	79	78	78	79	79	79	78	77	76	76					
	% HV	5	5	5	6	6	6	6	6	6	5	5	5	4	4	4	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	-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				
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)		79.4	80.2	80.8	81.2	81.4	80.9	81.4	81.2	80.9	81.0	80.5	80.3	78.7	78.3	77.8	77.2	80.3				
HKPSG Exceedances		9.4	10.2	10.8	11.2	11.4	10.9	11.4	11.2	10.9	11.0	10.5	10.3	8.7	8.3	7.8	7.2					
		16	= number of hours exceeded 70 dB(A)																			