

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2006CTS3(815100)MAIN MODEL RUN-V106 SCII Full High 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
1003	LV	7,513	9,821	11,010	8,860	8,304	8,191	6,176	7,501	8,452	9,410	8,715	10,042	9,288	7,896	6,713	5,707	9,209	8,833	8,162
	HV	1,260	1,530	2,376	2,896	2,876	2,836	2,322	2,633	2,584	2,635	2,197	1,349	930	595	380	243	1,684	2,040	1,850
	SPD	61.5	61.5	61.5	70.0	70.0	70.0	70.0	70.0	69.0	69.0	69.0	69.0	69.0	70.0	70.0	70.0	62	69	70
	total	8773	11351	13386	11756	11181	11027	8499	10134	11035	12045	10912	11391	10218	8491	7093	5950			
	% HV	14	13	18	25	26	27	26	23	22	20	12	9	7	5	4				
	BNL	82	83	83	83	83	81	82	83	83	83	83	82	81	81	81	80			
	% HV	2	2	2	4	4	4	4	4	3	3	2	2	2	1	1	1			
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2			
	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	Average Level over 16 hr		
1004	LV	2,271	2,696	2,186	2,134	2,023	2,074	1,719	2,023	2,011	2,114	2,236	2,337	2,541	2,367	2,205	2,063	2,454	2,177	2,151
	HV	1,274	1,719	1,817	2,000	1,861	1,763	1,789	1,889	1,957	1,751	1,421	1,111	897	844	793	746	1,731	1,334	1,463
	SPD	31.5	31.5	31.5	36.0	36.0	36.0	36.0	36.0	36.0	36.5	36.5	36.5	36.5	36.0	36.0	36.0	32	37	36
	total	3545	4415	4003	4134	3904	3837	3508	3913	3968	3865	3657	3448	3438	3210	2998	2800			
	% HV	36	39	45	48	46	45	51	48	49	45	39	32	25	26	28	27			
	BNL	78	79	78	78	78	78	78	78	78	78	78	78	78	77	77	77			
	% HV	4	4	4	5	4	5	5	5	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	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2			
	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		
1017	LV	1,552	2,036	1,545	1,410	1,337	1,370	1,136	1,337	1,329	1,381	1,404	1,509	1,679	1,564	1,457	1,357	1,853	1,367	1,422
	HV	792	1,066	1,128	1,244	1,170	1,097	1,113	1,175	1,217	1,085	870	686	558	525	494	464	1,074	817	910
	SPD	33.3	33.3	33.3	35.3	35.3	35.3	35.3	35.3	35.3	37.0	37.0	37.0	37.0	37.0	35.3	35.3	33	37	35
	total	2344	3102	2673	2654	2507	2467	2249	2512	2546	2466	2274	2194	2237	2089	1950	1821			
	% HV	34	34	42	47	47	44	49	47	48	44	38	31	25	25	25	25			
	BNL	76	77	76	76	76	76	76	76	76	76	76	76	76	75	75	75			
	% HV	3	3	4	4	4	4	5	4	5	4	4	3	2	2	2	2			
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance	-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		
1219	LV	1,171	1,927	2,016	1,541	1,474	1,590	1,540	1,678	1,803	1,787	1,864	2,125	2,397	1,803	1,357	1,020	1,822	1,867	1,659
	HV	797	1,215	1,285	1,213	1,333	1,201	1,287	1,167	1,219	1,267	1,342	1,090	1,004	696	482	334	1,192	1,291	1,007
	SPD	34.2	34.2	34.2	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	34	33	37
	total	1967	3142	3301	2754	2807	2891	2827	2843	3023	3054	3206	3215	3401	2499	1839	1355			
	% HV	40	39	39	44	47	42	46	41	40	41	42	34	30	28	26	25			
	BNL	75	77	77	77	77	77	77	77	77	77	77	77	78	76	75	74			
	% HV	4	4	4	4	4	4	4	4	4	4	4	3	3	3	2	2			
	Gradient	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
	Distance	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
	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		
1404	LV	3,782	5,995	5,883	4,218	3,954	3,900	2,941	3,571	4,024	4,652	4,864	5,162	4,422	3,759	3,196	2,717	5,622	4,930	3,886
	HV	1,035	1,428	2,036	2,282	2,267	2,235	1,830	2,075	2,036	2,189	2,093	1,176	733	469	300	192	1,571	1,943	1,458
	SPD	79.0	79.0	79.0	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	79	80	73
	total	4817	7423	7918	6501	6221	6135	4771	5647	6060	6841	6956	6338	5155	4228	3496	2909			
	% HV	21	19	26	35	36	36	38	37	34	32	30	19	14	11	9	7			
	BNL	79	81	81	80	80	80	79	80	80	81	81	80	79	78	78	77			
	% HV	4	4	5	6	6	6	6	6	6	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	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	Average Level over 16 hr		
1422	LV	1,482	2,662	2,407	1,582	1,482	1,462	1,103	1,339	1,509	1,783	1,986	2,022	1,658	1,410	1,198	1,019	2,496	2,013	1,457
	HV	455	663	912	983	976	963	788	894	877	959	955	524	316	202	129	83	730	887	628
	SPD	64.0	64.0	64.0	69.5	69.5	69.5	69.5	69.5	69.5	69.5	66.5	66.5	66.5	66.5	69.5	69.5	64	67	70
	total	1937	3325	3319	2565	2459	2425	1891	2233	2386	2743	2941	2546	1974	1611	1327	1101			
	% HV	23	20	27	38	40	40	42	40	37	35	32	21	16	13	10	7			
	BNL	75	77	77	76	76	76	75	76	76	77	77	76	75	74	73	73			
	% HV	3	3	4	5	5	5	5	5	5	5	4	3	2	2	2	2			
	Gradient	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6			
	Distance	-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		

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Stn.		Hour Start / 2-way Hourly Traffic Volume (veh.) or Speed (km/hr)																						Model Output		
		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	AM	PM	OP						
1424	LV	1,404	1,766	1,377	1,295	1,228	1,258	1,043	1,228	1,220	1,311	1,490	1,483	1,542	1,436	1,337	1,248	1,607	1,450	1,305						
	HV	737	960	1,046	1,183	1,094	1,026	1,041	1,099	1,138	1,019	828	646	522	491	462	434	987	777	851						
	SPD	42.0	42.0	42.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	42	44	44						
	total	2141	2746	2423	2458	2321	2284	2084	2326	2358	2330	2317	2130	2063	1927	1799	1680	42	44	44						
	% HV	34	36	43	47	47	45	50	47	48	44	36	30	25	25	26	26	42	44	44						
	BNL	76	77	76	76	76	76	75	76	76	76	76	75	75	75	75	74	76	77	77						
	% HV	3	3	4	5	5	4	5	5	5	4	4	3	2	2	2	2	3	3	3						
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
	Distance	12	Distance	-1	-1	-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	-1.0	-1.0						
1433	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5						
	Facade Noise Levels dB(A)	79.3	80.5	80.6	81.1	80.8	80.6	80.5	80.8	81.0	80.5	79.8	78.9	78.1	77.9	77.6	77.3	79.3	80.5	80.6						
	HKPSG Exceedances	9.3	10.5	10.6	11.1	10.8	10.6	10.5	10.8	11.0	10.5	9.8	8.9	8.1	7.9	7.6	7.3	9.3	10.5	10.6						
	16	= number of hours exceeded 70 dB(A)																								
	LV	453	676	603	528	542	563	534	541	556	606	722	625	649	551	487	396	624	701	535						
	HV	316	384	441	501	571	442	488	433	494	463	315	247	172	122	86	61	373	309	346						
	SPD	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	19	18	15						
	total	769	1060	1043	1028	1113	1005	1022	974	1050	1069	1037	872	821	672	553	457	996	1010	881						
	% HV	41	35	42	49	51	44	48	44	47	43	30	28	21	18	16	13	37	31	34						
	BNL	71	72	72	72	73	72	72	72	72	72	72	72	71	70	70	69	71	72	72						
	% HV	5	5	5	6	6	6	6	6	6	6	4	4	3	2	2	1	5	5	5						
1443	Gradient	0	Gradient	0	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	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	-1.0	-1.0						
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5						
	Facade Noise Levels dB(A)	78.1	78.8	79.6	80.1	80.6	79.6	80.0	79.5	80.0	79.8	78.3	77.2	75.8	74.5	73.1	71.7	78.1	78.8	79.6						
	HKPSG Exceedances	8.1	8.8	9.6	10.1	10.6	9.6	10.0	9.5	10.0	9.8	8.3	7.2	5.8	4.5	3.1	1.7	8.1	8.8	9.6						
	16	= number of hours exceeded 70 dB(A)																								
	LV	922	1,155	903	851	807	827	686	807	802	828	824	899	1,014	944	879	819	1,051	802	858						
	HV	707	1,028	1,036	1,079	1,014	951	965	1,019	1,055	969	854	631	484	455	428	402	1,035	802	789						
	SPD	29.0	29.0	29.0	30.0	30.0	30.0	30.0	30.0	30.0	32.0	32.0	32.0	32.0	30.0	30.0	30.0	29	32	30						
	total	1629	2183	1939	1930	1821	1778	1651	1826	1857	1797	1678	1530	1497	1399	1307	1222	2086	1804	1647						
	% HV	43	47	53	56	56	53	58	56	57	54	51	41	32	33	33	33	43	46	45						
	BNL	74	78	75	75	75	75	74	75	75	75	74	74	74	74	73	73	74	75	75						
	% HV	4	5	5	5	5	5	5	5	5	5	5	4	3	3	3	3	4	4	4						
1617	Gradient	0	Gradient	0	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	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	-1.0	-1.0						
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5						
	Facade Noise Levels dB(A)	80.4	82.0	81.9	82.0	81.8	81.5	81.5	81.8	81.9	81.5	81.0	79.8	78.8	78.3	78.0	80.8	80.4	82.0	81.9						
	HKPSG Exceedances	10.4	12.0	11.9	12.0	11.8	11.5	11.5	11.8	11.9	11.5	11.0	9.8	8.8	8.6	8.3	8.0	10.4	12.0	11.9						
	16	= number of hours exceeded 70 dB(A)																								
	LV	2,008	2,518	1,968	1,853	1,757	1,801	1,493	1,757	1,747	1,835	1,942	2,030	2,207	2,055	1,914	1,783	2,292	1,890	1,868						
	HV	854	1,107	1,202	1,362	1,280	1,200	1,218	1,286	1,332	1,164	866	631	484	455	428	402	1,051	802	789						
	SPD	42.5	42.5	42.5	44.5	44.5	44.5	44.5	44.5	44.5	45.5	45.5	45.5	45.5	44.5	44.5	44.5	43	46	45						
	total	2863	3626	3170	3215	3037	3001	2711	3043	3079	2999	2808	2749	2817	2630	2455	2291	3343	2690	2657						
	% HV	30	31	38	42	42	40	45	42	43	39	31	26	22	22	22	22	37	43	43						
	BNL	77	78	77	77	77	77	77	77	77	77	77	77	77	77	77	76	77	78	78						
	% HV	3	3	4	4	4	4	4	4	4	4	4	3	2	2	2	2	3	3	3						
1642	Gradient	0	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
	Distance	40	Distance	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5						
	Surface	p	Surface	-3.5	-3.5																					

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Stn.		Hour Start / 2-way Hourly Traffic Volume (veh.) or Speed (km/hr)																		Model Output		
		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	AM	PM	OP		
1805	LV	7,818	9,752	11,305	9,327	8,742	8,622	6,502	7,897	8,897	9,900	9,149	10,558	9,777	8,312	7,067	6,008	9,145	9,273	8,592		
	HV	1,381	1,654	2,593	3,187	3,166	3,121	2,556	2,898	2,843	2,858	2,285	1,443	1,024	655	419	268	1,820	2,122	2,036		
	SPD	71.5	71.5	71.5	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	72	73	73		
	total	9198	11406	13898	12514	11908	11743	9058	10794	11740	12759	11434	12000	10801	8967	7485	6275					
	% HV	15	14	19	25	27	27	28	27	24	22	20	12	9	7	6	4					
	BNL	62	83	84	83	83	83	82	83	83	83	83	83	83	83	82	81					
	% HV	3	3	3	4	4	4	4	4	4	4	4	4	4	4	2	1					
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
	Distance	43	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5				
	Surface	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				
	Facade Noise Levels dB(A)		77.7	78.6	80.0	80.5	80.4	80.3	79.4	80.0	80.1	80.2	79.4	78.5	77.6	76.4	75.3	74.2	Average Level over 16 hr			
	HKPSG Exceedances		7.7	8.6	10.0	10.5	10.4	10.3	9.4	10.0	10.1	10.2	9.4	8.5	7.6	6.4	5.3	4.2	75.0			
			16																= number of hours exceeded 70 dB(A)			
	1810	LV	742	1,021	1,104	864	810	799	802	732	824	933	912	1,012	908	770	655	557	957	924	796	
		HV	91	110	171	210	208	205	168	191	187	194	170	101	67	43	28	18	121	158	134	
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		834	1131	1276	1074	1018	1004	771	922	1011	1127	1082	1113	973	813	682	574					
% HV		11	10	13	20	20	20	22	21	19	17	16	9	7	5	4	3					
BNL		71	73	73	73	72	72	71	72	72	73	73	73	72	71	71	70					
% HV		2	2	2	3	3	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		43	-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				
Facade Noise Levels dB(A)			66.4	67.5	68.7	68.8	68.7	68.6	67.7	68.3	68.4	68.7	68.3	67.3	66.3	65.2	64.1	63.1	Average Level over 16 hr			
HKPSG Exceedances			-3.6	-2.5	-1.3	-1.2	-1.3	-1.4	-2.3	-1.7	-1.6	-1.3	-1.7	-2.7	-3.7	-4.8	-5.9	-6.9	67.6			
			0																= number of hours exceeded 70 dB(A)			
1811		LV	2,102	2,812	2,201	1,653	1,524	1,522	1,532	1,577	1,831	1,696	1,755	2,380	2,544	1,989	1,556	1,216	2,422	1,744	1,808	
		HV	1,075	1,222	1,200	1,147	1,210	1,176	1,150	1,169	1,234	1,203	860	948	896	649	470	341	1,184	852	991	
	SPD	36.0	36.0	36.0	40.0	40.0	40.0	40.0	40.0	40.0	41.5	41.5	41.5	41.5	41.5	40.0	40.0	36	42	40		
	total	3177	4034	3401	2800	2734	2698	2682	2746	3065	2899	2615	3328	3440	2639	2026	1557					
	% HV	34	30	35	41	44	44	43	43	40	42	33	28	26	25	23	22					
	BNL	77	78	78	77	77	77	76	77	77	77	76	77	78	78	76	74					
	% HV	3	3	3	4	4	4	4	4	4	4	3	3	2	2	2	2					
	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	l	-1.0	-1.0	-1.0	-1.0	-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)		82.3	83.0	82.8	82.5	82.7	82.6	82.5	82.6	82.8	82.7	81.5	82.0	81.9	80.5	79.2	77.8	Average Level over 16 hr			
	HKPSG Exceedances		12.3	13.0	12.8	12.5	12.7	12.6	12.5	12.6	12.8	12.7	11.5	12.0	11.9	10.5	9.2	7.8	82.0			
			16																= number of hours exceeded 70 dB(A)			
	1820	LV	908	1,778	1,669	1,124	1,075	1,233	1,123	1,222	1,315	1,224	998	1,356	1,749	1,315	989	744	1,679	999	1,210	
		HV	541	786	859	838	821	830	869	806	843	794	607	816	894	481	333	231	771	584	696	
SPD		32.0	32.0	32.0	26.0	26.0	26.0	26.0	26.0	26.0	36.5	36.5	36.5	36.5	26.0	26.0	26.0	32	37	26		
total		1449	2562	2518	1963	1997	2063	2013	2029	2158	2018	1605	1973	2442	1796	1323	975					
% HV		37	31	34	43	46	40	44	40	39	39	38	31	28	27	25	24					
BNL		74	76	76	75	75	75	75	75	76	75	74	75	76	75	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	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2					
Surface		l	-1.0	-1.0	-1.0	-1.0	-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)			80.5	82.2	82.5	82.7	83.1	82.7	82.9	82.5	82.7	82.0	80.9	81.1	81.7	80.5	79.0	77.4	Average Level over 16 hr			
HKPSG Exceedances			10.5	12.2	12.5	12.7	13.1	12.7	12.9	12.5	12.7	12.0	10.9	11.1	11.7	10.5	9.0	7.4	81.8			
			16																= number of hours exceeded 70 dB(A)			
1834		LV	2,930	3,671	2,871	2,705	2,565	2,629	2,180	2,565	2,550	2,664	2,761	2,927	3,221	3,000	2,795	2,603	3,341	2,668	2,727	
		HV	1,332	1,798	1,899	2,090	1,965	1,843	1,870	1,974	2,045	1,811	1,414	1,135	937	882	829	780	1,810	1,328	1,529	
	SPD	38.5	38.5	38.5	41.5	41.5	41.5	41.5	41.5	41.5	42.5	42.5	42.5	42.5	41.5	41.5	41.5	39	43	42		
	total	4262	5469	4770	4795	4531	4472	4050	4540	4595	4474	4178	4062	4158	3882	3624	3383					
	% HV	31	33	40	44	43	41	46	43	45	40	34	28	23	23	23	23					
	BNL	78	80	79	79	79	79	78	79	79	79	78	78	78	78	78	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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1				
	Surface	l	-1.0	-1.0	-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-V106 SCH Full High 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							
2002	LV	2,096	2,775	2,112	1,598	1,483	1,738	1,709	1,690	1,725	1,877	2,335	2,517	2,392	2,483	2,578	2,676	2,647	2,366	2,001						
	HV	670	919	1,137	1,195	1,176	1,140	1,168	1,085	1,076	928	779	762	689	529	419	331	956	765	878						
	SPD	39.5	39.5	39.5	42.5	42.5	42.5	42.5	42.5	42.5	42.0	42.0	42.0	42.0	42.5	42.5	42.5	40	42	43						
	total	2766	3695	3248	2793	2659	2879	2878	2775	2801	2805	3114	3279	3061	3013	2997	3008									
	% HV	24	25	35	43	44	40	41	39	38	33	25	23	22	18	14	11									
	BNL	77	78	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	Gradient	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
Distance	21	Distance	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3									
Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0									
Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5									
Facade Noise Levels dB(A)			78.0	79.4	80.0	80.1	80.0	80.1	79.9	79.7	79.2	78.7	78.7	78.2	77.5	76.8	76.2									
HKPSG Exceedances			8.0	9.4	10.0	10.1	10.0	10.1	9.8	9.7	9.2	8.7	8.7	8.2	7.5	6.8	6.2									
	16	= number of hours exceeded 70 dB(A)																								
2003	LV	984	1,012	907	825	766	897	882	872	890	944	1,089	1,234	1,235	1,282	1,331	1,382	965	1,104	1,003						
	HV	277	326	447	519	510	495	507	471	467	407	352	337	290	230	182	144	339	346	381						
	SPD	46.0	46.0	46.0	45.5	45.5	45.5	45.5	45.5	45.5	44.0	44.0	44.0	44.0	45.5	45.5	45.5	46	44	46						
	total	1261	1338	1354	1344	1276	1392	1389	1343	1358	1351	1442	1572	1525	1512	1513	1525									
	% HV	22	24	33	39	40	36	36	35	34	30	24	21	19	15	12	9									
	BNL	73	73	74	73	73	74	74	73	74	74	74	74	74	74	74	74									
	% HV	2	2	3	4	4	4	4	4	3	3	2	2	2	1	1	0									
Gradient	0	Gradient	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	-3	-3	-3	-3	-3	-3	-3									
Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0									
Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5									
Facade Noise Levels dB(A)			73.7	74.2	75.3	75.8	75.7	75.6	75.7	75.4	75.4	74.9	74.5	74.0	73.3	72.7	72.2									
HKPSG Exceedances			3.7	4.2	5.3	5.8	5.7	5.6	5.7	5.4	5.4	4.9	4.5	4.4	4.0	3.3	2.7									
	16	= number of hours exceeded 70 dB(A)																								
2004	LV	2,096	2,775	2,112	1,598	1,483	1,738	1,709	1,690	1,725	1,877	2,335	2,517	2,392	2,483	2,578	2,676	2,647	2,366	2,001						
	HV	670	919	1,137	1,195	1,176	1,140	1,168	1,085	1,076	928	779	762	689	529	419	331	956	765	878						
	SPD	39.5	39.5	39.5	42.5	42.5	42.5	42.5	42.5	42.5	42.0	42.0	42.0	42.0	42.5	42.5	42.5	40	42	43						
	total	2766	3695	3248	2793	2659	2879	2878	2775	2801	2805	3114	3279	3061	3013	2997	3008									
	% HV	24	25	35	43	44	40	41	39	38	33	25	23	22	18	14	11									
	BNL	77	78	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	Gradient	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	-3	-3	-3	-3	-3	-3	-3									
Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0									
Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5									
Facade Noise Levels dB(A)			77.1	78.5	79.1	79.2	79.1	79.1	79.2	78.9	78.8	78.3	77.8	77.3	76.8	76.2	75.5									
HKPSG Exceedances			7.1	8.5	9.1	9.2	9.1	9.1	9.2	8.9	8.8	8.3	7.8	7.6	7.3	6.6	5.9									
	16	= number of hours exceeded 70 dB(A)																								
2005	LV	2,271	2,696	2,186	2,134	2,023	2,074	1,719	2,023	2,011	2,114	2,236	2,337	2,541	2,367	2,205	2,053	2,454	2,177	2,151						
	HV	1,274	1,719	1,817	2,000	1,881	1,763	1,789	1,889	1,957	1,751	1,421	1,111	897	844	793	746	1,731	1,334	1,463						
	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	3545	4418	4003	4134	3904	3837	3508	3913	3968	3657	3448	3438	3210	2998	2800										
	% HV	36	39	45	48	48	46	51	48	49	45	39	32	26	26	27										
	BNL	78	79	78	78	78	78	78	78	78	78	78	78	78	78	77	77									
	% HV	5	5	6	6	6	6	6	6	6	5	4	4	4	4	4										
Gradient	0	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
Distance	20	Distance	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2									

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2006CTS3(815100)MAIN MODEL RUN-V106 SCII Full High Budget Toll with New Bus

[illegible]

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2006CTS3(815100)MAIN MODEL RUN-V106 SCII Full High 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		
3224	LV	374	610	530	516	535	525	512	588	633	551	507	671	865	865	866	867	573	529	647		
	HV	412	484	519	517	525	500	538	509	525	533	497	459	424	354	296	247	478	481	453		
	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	786	1094	1049	1033	1060	1026	1051	1097	1158	1084	1004	1130	1289	1220	1162	1114					
	% HV	52	44	50	50	49	49	51	45	45	49	49	41	33	29	25	22					
	BNL	71	73	72	72	72	72	72	73	73	73	72	73	73	73	73	73					
	% HV	5	4	5	5	5	5	5	5	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	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)		77.1	77.9	78.2	78.1	78.2	78.0	78.3	78.1	78.2	78.3	78.0	77.7	77.5	76.8	76.1	75.5	77.7				
HKPSG Exceedances		7.1	7.9	8.2	8.1	8.2	8.0	8.3	8.1	8.2	8.3	8.0	7.7	7.5	6.8	6.1	5.5					
		16 = number of hours exceeded 70 dB(A)																				
3225	LV	523	734	703	760	788	774	755	867	932	839	866	1058	1274	1275	1276	1277	690	903	953		
	HV	752	814	924	989	982	937	1007	953	983	999	933	861	795	663	553	462	804	903	848		
	SPD	26.0	26.0	26.0	25.5	25.5	25.5	25.5	25.5	25.0	25.0	25.0	25.0	25.0	25.5	25.5	25.5	26	25	26		
	total	1274	1549	1627	1728	1770	1711	1762	1819	1915	1838	1799	1919	2068	1938	1829	1739					
	% HV	59	53	57	56	55	55	57	52	51	54	52	45	38	34	30	27					
	BNL	73	74	74	75	75	75	75	75	75	75	75	75	75	75	75	75					
	% HV	6	5	6	6	6	6	6	5	5	6	5	4	4	3	3	3					
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
	Distance	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-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)		80.1	80.5	81.0	81.2	81.3	81.1	81.4	81.2	81.3	81.4	81.2	80.9	80.6	79.8	79.1	78.4	80.7				
HKPSG Exceedances		10.1	10.5	11.0	11.2	11.3	11.1	11.4	11.2	11.3	11.4	11.2	10.9	10.6	9.8	9.1	8.4					
		16 = number of hours exceeded 70 dB(A)																				
3230	LV	542	753	771	704	647	674	712	732	810	773	694	849	845	674	538	430	730	740	686		
	HV	303	343	484	512	513	514	458	563	537	486	435	380	298	223	167	125	354	426	398		
	SPD	25.0	25.0	25.0	24.0	24.0	24.0	24.0	24.0	23.0	23.0	23.0	23.0	23.0	24.0	24.0	24.0	25	23	24		
	total	845	1098	1254	1216	1160	1188	1170	1295	1347	1259	1129	1229	1143	897	705	555					
	% HV	36	31	39	42	44	43	39	43	40	39	39	31	26	25	24	23					
	BNL	71	73	73	73	73	73	73	73	73	73	73	73	73	72	71	70					
	% HV	4	3	4	5	5	5	4	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	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)		76.4	77.1	78.4	78.8	78.8	78.9	78.3	79.2	79.0	78.7	78.3	77.8	76.8	75.5	74.2	73.0	77.8				
HKPSG Exceedances		6.4	7.1	8.4	8.8	8.8	8.8	8.3	9.2	9.0	8.7	8.3	7.8	6.8	5.5	4.2	3.0					
		16 = number of hours exceeded 70 dB(A)																				
3231	LV	915	1,510	1,383	1,114	1,023	1,065	1,125	1,158	1,282	1,219	1,085	1,336	1,337	1,067	851	679	1,454	1,158	1,085		
	HV	557	638	892	939	941	943	840	1,032	985	884	769	684	546	409	306	229	658	753	730		
	SPD	27.0	27.0	27.0	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	27	28	28		
	total	1472	2148	2275	2052	1964	2008	1966	2190	2267	2103	1854	2020	1883	1476	1158	909					
	% HV	38	30	39	46	48	47	43	47	43	42	41	34	29	28	26	25					
	BNL	74	76	76	75	75	75	75	76	76	75	75	75	75	74	73	72					
	% HV	4	3	4	5	5	5	4	5	4	4	4	3	3	3	3	2					
	Gradient	8	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)		80.7	81.4	82.7	82.7	82.7	82.8	82.3	83.1	83.0	82.5	81.9	81.5	80.7	79.4	78.2	77.0	81.7				
HKPSG Exceedances		10.7	11.4	12.7	12.7	12.7	12.8	12.3	13.1	13.0	12.5	11.9	11.5	10.7	9.4	8.2	7.0					
		16 = number of hours exceeded 70 dB(A)																				
3232	LV	595	504	494	606	570	590	560	611	633	702	936	895	857	715	682	649	452	912	857		
	HV	264	268	393	385	420	364	346	361	392	388	308	313	202	133	137	108	298	327	295		
	SPD	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	30.0	30.0	30.0	30.0	32.0	32.0	32.0	32	30	32		
	total	859	772	888	991	990	954	906	973	1025	1090	1244	1208	1059	848	819	756					
	% HV	31	35	44	39	42	38	38	37	38	36	25	26	19	16	17	14					
	BNL	72	71	72	72	72	72	72	72	72	73	73	73	72	71	71	71					
	% HV	3	3	4	4	4	4	4	4	4	4	2	2	1	1	1	0					
	Gradient	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
	Distance	12	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1					
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0				
Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr				
Facade Noise Levels dB(A)		74.9	74.9	76.4	76.3	76.7	76.1	75.9	76.1	76.4	76.5	75.8	75.8	74.2	72.6	72.6	71.8	76.4				
HKPSG Exceedances		4.9	4.9	6.4	6.3	6.7	6.1	5.9	6.1	6.4	6.5	5.8	5.8	4.2	2.6	2.6	1.8					
		16 = number of hours exceeded 70 dB(A)																				
3233	LV	886	1,005	799	841	790	818	777	848	877	926	1,068	1,125	1,188	991	946	900	901	1,039	911		
	HV	512	492	749	759	829	717	682	713	774	750	561	594	398	283	269	212	547	596	582		
	SPD	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	19	17	19		
	total	1398	1497	1549	1599	1619																

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2006CTS3(815100)MAIN MODEL RUN-V106 SCII Full High Budget Toll with New Bus

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

Model Output

AM PM OP

		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		
3412	LV	655	754	778	727	755	799	746	799	782	789	575	771	888	752	838	540	734	565	758		
	HV	758	852	942	977	968	1,029	983	966	1,058	973	898	833	886	489	348	248	890	864	796		
	SPD	23.5	23.5	23.5	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	24	25	25		
	total	1413	1606	1720	1703	1723	1828	1729	1765	1840	1761	1473	1604	1573	1241	986	789					
	% HV	54	53	55	57	56	56	57	55	58	55	61	52	44	39	35	31					
	BNL	74	74	75	75	75	75	75	75	75	75	74	74	74	73	72	71					
	% HV	6	6	6	6	6	6	6	6	6	6	6	5	5	4	4	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)		79.9	80.4	80.8	80.7	80.7	81.0	80.8	80.7	81.1	80.7	80.3	80.1	79.3	77.9	76.5	75.1					
HKPSG Exceedances		9.9	10.4	10.8	10.7	10.7	11.0	10.8	10.7	11.1	10.7	10.3	10.1	9.3	7.9	6.5	5.1					
	16	= number of hours exceeded 70 dB(A)																				
3422	LV	910	1,303	1,242	1,060	1,084	1,047	1,045	1,139	1,154	1,109	942	1,104	1,252	1,125	1,135	1,151	1,265	950	1,114		
	HV	451	621	660	793	741	789	723	690	710	722	727	744	634	510	444	411	583	729	646		
	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	1361	1924	1902	1853	1825	1836	1768	1829	1863	1831	1569	1848	1886	1635	1579	1562					
	% HV	33	32	35	43	41	43	41	38	38	39	44	40	34	31	28	26					
	BNL	74	75	75	75	75	75	75	75	75	75	74	75	74	74	74	74					
	% HV	4	4	4	5	5	5	5	4	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	0					
Distance	5	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2					
Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0					
Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5					
Facade Noise Levels dB(A)		80.7	82.1	82.3	82.8	82.6	82.8	82.5	82.3	82.4	82.5	82.4	82.6	82.0	81.1	80.5	80.2					
HKPSG Exceedances		10.7	12.1	12.3	12.8	12.6	12.8	12.5	12.3	12.4	12.5	12.4	12.6	12.0	11.1	10.5	10.2					
	16	= number of hours exceeded 70 dB(A)																				
3423	LV	1,741	2,434	2,355	2,047	2,093	2,022	2,017	2,199	2,228	2,251	2,266	2,363	2,417	2,172	2,191	2,222	2,362	2,284	2,151		
	HV	548	806	819	947	884	941	863	824	847	858	852	880	757	609	530	490	756	854	771		
	SPD	22.5	22.5	22.5	23.5	23.5	23.5	23.5	23.5	23.5	22.0	22.0	22.0	22.0	23.5	23.5	23.5	23	22	24		
	total	2290	3239	3174	2994	2977	2964	2880	3023	3074	3109	3118	3243	3174	2781	2721	2712					
	% HV	24	25	26	32	30	32	30	27	28	28	27	27	27	22	19	18					
	BNL	76	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77					
	% 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)		81.6	83.3	83.3	83.7	83.4	83.6	83.3	83.2	83.3	83.6	83.5	83.7	83.1	82.0	81.5	81.2					
HKPSG Exceedances		11.6	13.3	13.3	13.7	13.4	13.6	13.3	13.2	13.3	13.6	13.5	13.7	13.1	12.0	11.5	11.2					
	16	= number of hours exceeded 70 dB(A)																				
3425	LV	3,181	4,504	4,205	4,185	3,692	4,278	4,016	4,298	4,191	4,092	3,879	5,108	4,433	3,747	3,168	2,678	4,007	4,039	3,966		
	HV	1,038	1,418	1,744	2,231	2,207	1,982	2,095	2,050	2,006	2,131	1,654	1,558	1,039	872	732	614	1,372	1,511	1,612		
	SPD	29.0	29.0	29.0	26.0	26.0	26.0	26.0	26.0	25.5	25.5	25.5	25.5	25.5	26.0	26.0	26.0	29	26	26		
	total	4219	5922	5948	6416	5899	6260	6110	6349	6197	6223	5534	6666	5471	4619	3900	3292					
	% HV	25	24	29	35	37	32	34	32	34	34	30	23	19	19	19	19					
	BNL	78	80	80	80	80	80	80	80	80	80	80	80	80	79	78	77					
	% HV	2	2	3	4	4	3	4	3	3	3	3	2	2	2	2	2					
Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
Distance	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0					
Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5					
Facade Noise Levels dB(A)		81.7	83.1	83.8	85.0	84.9	84.6	84.8	84.7	84.6	84.9	83.9	83.8	82.2	81.4	80.5	79.9					
HKPSG Exceedances		11.7	13.1	13.8	15.0	14.9	14.6	14.8	14.7	14.6	14.9	13.9	13.8	12.2	11.4	10.8	9.9					
	16	= number of hours exceeded 70 dB(A)																				
3431	LV	2,824	2,480	1,745	1,714	1,558	1,481	1,649	1,797	1,951	1,872	2,023	2,673	2,537	2,255	2,005	1,782	2,107	2,033	2,008		
	HV	811	735	852	978	914	819	929	973	925	890	741	744	690	515	385	287	708	735	757		
	SPD	39.5	39.5	39.5	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	40	41	41		
	total	3438	3215	2598	2692	2472	2299	2577	2770	2875	2762	2764	3417	3227	2770	2389	2069					
	% HV	18	23	33	36	37	36	36	35	32	32	27	22	21	19	16	14					
	BNL	78	77	76	77	76	76	76	77	77	77	77	77	78	77	76	75					
	% HV	1	2	3	4	4	3	4	3	3	3	2	2	2	1	1	1					
Gradient	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
Distance	12	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1					
Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0					
Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5					
Facade Noise Levels dB(A)		80.0	80.5	80.8	81.3	81.0	80.6	81.1	81.3	81.2	81.0	80.4	80.6	80.3	79.2	78.2	77.1					
HKPSG Exceedances		10.0	10.5	10.8	11.3	11.0	10.6	11.1	11.3	11.2	11.0	10.4	10.6	10.3	9.2	8.2	7.1					
	16																					

2006CTS3(815100)MAIN MODEL RUN-V106 SCII Full High Budget Toll with New Bus

2006CTS3(815100)MAIN MODEL RUN-V106 SCII Full High Budget Toll with New Bus																						Model Output		
		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				
3434	LV	767	1,181	1,130	960	882	918	970	998	1,105	1,035	876	1,115	1,152	919	734	585	1,145	934	935				
	HV	461	540	744	773	774	776	892	850	811	727	632	563	450	337	252	189	557	619	601				
	SPD	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	26.0	26.0	26.0	26	26	26				
	total	1228	1721	1874	1732	1656	1694	1862	1848	1915	1762	1508	1678	1602	1256	986	774							
	% HV	38	31	40	45	47	46	42	46	42	41	42	34	28	27	26	24							
	BNL	73	75	75	75	74	74	74	75	75	75	74	74	74	73	72	71							
	% HV	4	3	4	5	5	5	4	5	5	4	4	4	3	3	3	2							
	Gradient	6 Gradient	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2							
	Distance	10 Distance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
	Surface	1 Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	Average Level over 16 hr					
Angle	160 angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	81.1						
Facade Noise Levels dB(A)		79.9	80.7	82.0	82.1	82.1	82.1	81.6	82.5	82.3	81.9	81.3	80.9	80.0	78.8	77.5	76.3							
HKPSG Exceedances		9.9	10.7	12.0	12.1	12.1	12.1	11.6	12.5	12.3	11.9	11.3	10.9	10.0	8.8	7.5	6.3							
		16 = number of hours exceeded 70 dB(A)																						
3436	LV	996	915	1,106	1,174	1,220	1,291	1,205	1,291	1,263	1,298	1,033	1,297	1,434	1,215	1,030	873	890	1,015	1,225				
	HV	872	1,076	1,121	1,082	1,072	1,141	1,089	1,070	1,173	1,094	1,060	951	760	542	386	275	1,125	1,020	881				
	SPD	24.8	24.8	24.8	26.0	26.0	26.0	26.0	26.0	26.0	25.5	25.5	25.5	25.5	25.0	26.0	26.0	25	26	26				
	total	1868	1991	2227	2256	2292	2431	2294	2361	2436	2391	2093	2248	2194	1757	1416	1148							
	% HV	47	54	50	48	47	47	47	45	48	46	51	42	35	31	27	24							
	BNL	75	75	76	76	76	76	76	76	76	76	75	76	76	75	74	73							
	% HV	5	6	5	5	5	5	5	5	5	5	5	5	4	3	3	2							
	Gradient	8 Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
	Distance	12 Distance	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-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	-1.0	Average Level over 16 hr					
Angle	160 angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	80.5						
Facade Noise Levels dB(A)		80.3	81.2	81.4	81.1	81.1	81.4	81.2	81.1	81.5	81.2	81.1	80.7	79.8	78.4	77.0	75.6							
HKPSG Exceedances		10.3	11.2	11.4	11.1	11.1	11.4	11.2	11.1	11.5	11.2	11.1	10.7	9.8	8.4	7.0	5.8							
		16 = number of hours exceeded 70 dB(A)																						
3450	LV	385	989	939	650	646	690	631	723	697	643	757	852	890	783	764	710	901	756	708				
	HV	488	765	886	1,037	1,008	958	859	1,023	1,125	1,021	822	811	591	493	397	370	746	835	791				
	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	872	1754	1825	1687	1654	1648	1490	1745	1823	1663	1580	1663	1481	1276	1162	1081							
	% HV	56	44	49	61	61	58	58	59	62	61	52	49	40	39	34	34							
	BNL	72	75	75	74	74	74	74	75	75	74	74	74	74	73	73	73							
	% HV	7	8	8	7	7	7	7	7	7	7	6	6	5	5	5	5							
	Gradient	6 Gradient	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							
	Surface	1 Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	Average Level over 16 hr					
Angle	160 angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	82.0						
Facade Noise Levels dB(A)		79.9	82.0	82.6	83.0	82.9	82.7	82.2	83.0	83.4	83.1	82.2	82.2	80.9	80.0	79.1	78.8							
HKPSG Exceedances		9.9	12.0	12.8	13.0	12.9	12.7	12.2	13.0	13.4	13.1	12.2	12.2	10.9	10.0	9.1	8.8							
		16 = number of hours exceeded 70 dB(A)																						
3457	LV	372	487	291	249	236	259	271	280	296	307	333	347	333	235	245	234	417	336	275				
	HV	140	168	282	290	273	258	267	249	232	201	176	103	69	53	40		202	202	188				
	SPD	32.0	32.0	32.0	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	32	34	36				
	total	512	655	573	538	509	517	528	546	547	538	534	523	436	303	298	274							
	% HV	27	27	49	54	54	50	49	49	46	43	38	34	24	23	18	15							
	BNL	69	70	70	70	69	69	69	70	70	70	69	69	69	67	67	67							
	% HV	3	2	5	5	5	5	5	5	4	4	4	3	2	2	2	2							
	Gradient	6 Gradient	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2							
	Distance	5 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	-1.0	Average Level over 16 hr					
Angle	160 angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	77.7						
Facade Noise Levels dB(A)		76.6	77.4	79.3	79.3	79.0	78.8	78.8	79.0	78.7	78.4	77.9	77.4	75.4	73.7	72.8	71.8							
HKPSG Exceedances		6.6	7.4	9.3	9.3	9.0	8.8	9.0	8.7	8.4	7.9	7.4	5.4	3.7	2.6	1.8								
		16 = number of hours exceeded 70 dB(A)																						
3462	LV	1,443	1,453	1,409	1,402	903	828	762	852	1,065	1,425	1,117	1,464	1,208	854	1,047	997	1,293	1,202	1,109				
	HV	425	648	641	638	793	691	681	833	790	701	717	654	519	336	208	194	632	678	574				
	SPD	28.5	28.5	28.5	30.5	30.5	30.5	30.5	30.5	30.5	30.0	30.0	30.0	30.0	30.5	30.5	30.5	29	30	31				
	total	1868	2101	2050	2040	1695	1519	1443	1684	1855	2126	1834	2117	1727	1190	1255	1191							
	% HV	23	31	31	31	47	45	47	49	43	33	39	31	30	28	17	16							
	BNL	75	75	75	75	74	74	74	74	75	75	75	75	75	73	73	73							
	% HV	2	3	3	3	5	4	5	5	4	3	4	3	3	3	1	1							
	Gradient	6 Gradient	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							
	Surface	1 Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	Average Level over 16 hr					
Angle	160 angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	79.7						
Facade Noise Levels dB(A)		78.6	80.2	80.2	80.0	80.7	80.2	80.1	80.9	80.8	80.4	80.4	80.2	79.2	77.3	75.8	75.5							
HKPSG Exceedances		8.6	10.2	10.2	10.0	10.7	10.2	10.1	10.9	10.8	10.4	10.4	10.2	9.2	7.3	5.8	5.5							
		16 = number of hours exceeded 70 dB(A)																						
3602	LV	2,370	3,226	3,097	3,149	2,778	3,219	3,021	3,234	3,153	3,079	2,921	3,845	3,335	2,819	2,384	2,015	2,870	3,041	2,984				
	HV	794	1,060	1,325	1,716	1,698	1,525	1,611	1,577	1,543	1,626	1,225	1,178	799	671	563	473	1,026	1,193	1,240				
	SPD	59.5	59.5	59.5	58.5	58.5	58.5	58.5	58.5	58.5	57.0	57.0	57.0	57.0	56.5	56.5	56.5	60	57	57				
	total	3164	4286	4422	4865	4475	4744	4633	4811	4696	4705	4146	5023	4134	3490	2946	2488							
	% HV	25	25	30	35	38	32	35	33	33	35	30	23	19	19	19	19							
	BNL	77	79	79	79	79	79	79	79	79	79	78	79	78	78	77	78							
	% HV	3	3	4	4	4	4	4	4	4	4	4	3	2	2	2	2							
	Gradient	6 Gradient	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2							
	Distance	21 Distance	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3							
	Surface	1 Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	Average Level over 16 hr					
Angle	160 angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	82.1						
Facade Noise Levels dB(A)		80.6	81.9	82.6	83.4	83.2	83.0	83.1	83.1	83.0	83.2	82.1	82.3	80.9	80.1	79.3	78.6							
HKPSG Exceedances		10.6	11.9	12.6	13.4	13.2	13.0	13.1	13.1	13.0	13.2	12.1	12.3	10.9	10.1	9.3	8.8							
		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-V106 SCII Full High 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
3603	LV	3,996	4,079	3,916	3,871	2,493	2,286	2,105	2,352	2,940	3,952	3,147	4,080	3,335	2,359	2,893	2,756	3,629	3,388	3,063
	HV	1,195	1,436	1,667	1,936	2,405	2,098	2,067	2,526	2,398	2,030	1,738	1,795	1,574	1,018	630	587	1,402	1,645	1,742
	SPD	54.5	54.5	54.5	53.5	53.5	53.5	53.5	53.5	54.5	54.5	54.5	54.5	54.5	53.5	53.5	53.5	55	55	54
	total	5192	5515	5583	5808	4897	4382	4172	4879	5338	5982	4888	5875	4909	3378	3523	3342			
	% HV	23	26	30	33	49	48	50	52	45	34	36	31	32	30	18	18			
	BNL	79	80	80	80	79	78	79	78	79	80	79	80	79	77	76	77			
	% HV	3	3	3	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	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			
3612	LV	961	1,510	1,343	1,342	1,393	1,368	1,334	1,531	1,646	1,506	1,633	1,931	2,250	2,253	2,255	2,257	1,419	1,703	1,684
	HV	821	919	1,020	1,048	1,062	1,014	1,090	1,031	1,064	1,070	965	912	860	717	599	500	907	934	918
	SPD	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.0	20.0	20.0	20.0	20.0	20.3	20.3	20	19	20
	total	1782	2429	2362	2390	2456	2381	2424	2582	2710	2576	2598	2843	3110	2970	2854	2757			
	% HV	46	38	43	44	43	43	45	40	39	42	37	32	28	24	21	18			
	BNL	75	76	76	76	76	76	76	76	77	76	76	77	77	77	77	77			
	% HV	6	5	6	6	6	5	6	5	5	5	5	4	4	3	3	2			
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance	10	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			
3616	LV	1,782	1,615	1,647	1,579	1,549	1,679	1,489	1,814	1,598	1,620	1,712	2,292	2,295	1,813	1,433	1,132	1,517	1,700	1,712
	HV	791	720	970	1,246	1,347	1,227	1,296	1,322	1,160	1,227	1,058	763	514	369	265	190	763	1,017	908
	SPD	25.0	25.0	25.0	23.5	23.5	23.5	23.5	23.5	23.5	24.5	24.5	24.5	24.5	23.5	23.5	23.5	25	25	24
	total	2573	2335	2617	2826	2896	2906	2765	3136	2757	2847	2770	3055	2809	2182	1698	1322			
	% HV	31	31	37	44	47	42	47	42	42	43	38	25	18	17	16	14			
	BNL	76	76	76	77	77	77	77	77	77	77	77	77	77	76	74	73			
	% HV	3	3	4	5	5	5	5	5	5	5	4	3	2	1	1	1			
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12			
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
3617	LV	2,311	2,970	3,038	2,796	2,860	2,763	2,756	3,004	3,044	3,035	2,929	3,142	3,303	2,968	2,994	3,038	2,883	2,952	2,939
	HV	969	1,334	1,419	1,706	1,593	1,696	1,555	1,484	1,526	1,531	1,476	1,556	1,363	1,097	955	884	1,252	1,480	1,389
	SPD	23.0	23.0	23.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	23	22	22
	total	3280	4304	4457	4502	4453	4459	4310	4489	4565	4565	4405	4698	4666	4066	3949	3920			
	% HV	30	31	32	38	36	38	36	33	33	34	34	33	29	27	24	23			
	BNL	77	79	79	79	79	79	79	79	79	79	79	79	79	78	78	78			
	% HV	4	4	4	5	4	5	4	4	4	4	4	4	4	3	3	3			
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance	5	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			
3618	LV	1,464	2,070	1,988	1,714	1,752	1,693	1,689	1,841	1,865	1,867	1,826	1,942	2,024	1,819	1,835	1,860	2,009	1,841	1,801
	HV	390	604	593	663	619	659	604	577	593	607	621	629	530	427	371	344	567	623	540
	SPD	26.5	26.5	26.5	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	27	27
	total	1854	2674	2581	2377	2372	2353	2293	2418	2458	2474	2448	2571	2554	2245	2208	2204			
	% HV	21	23	23	28	28	28	26	24	24	25	25	24	21	19	17	16			
	BNL	75	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76			
	% HV	2	2	2	3	3	3	3	2	2	2	2	2	2	2	2	1			
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5			
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
3619	LV	176	287	252	194	198	192	191	209	211	193	130	180	229	206	208	211	279	131	204
	HV	426	775	685	684	639	680	623	595	612	639	693	675	547	440	383	354	727	695	557
	SPD	42.5	42.5	42.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	43	46	46
	total	603	1062	937	878	837	872	815	804	823	831	823	856	776	646	591	565			
	% HV	71	73	73	78	76	78	77	74	74	77	84	79	70	68	65	63			
	BNL	70	72	72	72	71	72	71	71	71	71	71	71	71	70	70	70			
	% HV	6	6	6	6	6	6	6	6	6	6	7	7	6	6	6	6			
	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			

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2006CTS3(815100)MAIN MODEL RUN-V106 SCII Full High 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		
3626	LV	921	1,588	1,331	1,240	1,287	1,284	1,232	1,415	1,521	1,403	1,556	1,812	2,079	2,081	2,083	2,085	1,492	1,622	1,556		
	HV	742	856	931	939	952	908	977	924	953	962	879	824	770	643	536	448	845	851	822		
	SPD	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	20.0	20.0	20.0	20.0	20.0	21.0	21.0	21.0	21	20	21		
	total	1663	2444	2262	2179	2239	2172	2209	2339	2474	2365	2435	2635	2850	2724	2620	2533					
	% HV	45	35	41	43	43	42	44	39	39	41	36	31	27	24	20	18					
	BNL	74	76	76	76	76	76	76	76	76	76	76	76	77	77	76	76					
	% HV	5	5	5	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					
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5					
	Facade Noise Levels dB(A)	80.9	81.6	81.9	81.9	82.0	81.8	82.1	81.9	82.0	82.3	81.9	81.7	81.5	80.6	79.9	79.2	Average Level over 16 hr				
	HKPSG Exceedances	10.9	11.6	11.9	11.9	12.0	11.8	12.1	11.9	12.0	12.3	11.9	11.7	11.5	10.6	9.9	9.2	81.5				
	16		= number of hours exceeded 70 dB(A)																			
3635	LV	1,206	1,912	1,796	1,492	1,371	1,428	1,508	1,552	1,718	1,582	1,264	1,676	1,791	1,430	1,141	910	1,853	1,348	1,454		
	HV	713	794	1,132	1,210	1,213	1,215	1,083	1,331	1,269	1,131	961	668	704	527	395	296	819	841	941		
	SPD	29.0	29.0	29.0	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	29	31	31		
	total	1919	2706	2928	2702	2584	2643	2591	2883	2987	2713	2225	2544	2495	1957	1536	1206					
	% HV	37	29	39	45	47	46	42	46	42	42	43	34	28	27	26	25					
	BNL	75	77	77	77	76	76	76	77	77	77	76	76	76	75	74	73					
	% HV	4	3	4	4	5	4	4	4	4	4	4	3	3	3	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					
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5					
	Facade Noise Levels dB(A)	79.8	80.4	81.8	81.9	81.9	81.9	81.4	82.3	82.1	81.6	80.9	80.6	79.8	78.6	77.4	76.2	Average Level over 16 hr				
	HKPSG Exceedances	9.8	10.4	11.8	11.9	11.9	11.9	11.4	12.3	12.1	11.6	10.9	10.6	9.8	8.6	7.4	6.2	80.8				
	16		= number of hours exceeded 70 dB(A)																			
3638	LV	1,680	2,391	2,408	2,165	1,989	2,071	2,188	2,251	2,492	2,366	2,095	2,588	2,598	2,073	1,655	1,321	2,318	2,235	2,109		
	HV	1,060	1,296	1,732	1,754	1,759	1,761	1,570	1,929	1,840	1,673	1,513	1,311	1,021	764	572	429	1,337	1,482	1,364		
	SPD	20.0	20.0	20.0	22.0	22.0	22.0	22.0	22.0	20.5	20.5	20.5	20.5	20.5	22.0	22.0	22.0	20	21	22		
	total	2740	3688	4140	3919	3746	3832	3758	4180	4332	4039	3608	3899	3619	2838	2227	1749					
	% HV	39	35	42	45	47	46	42	46	42	41	42	34	28	27	26	25					
	BNL	77	78	78	78	78	78	78	78	78	78	78	78	78	77	76	75					
	% HV	5	5	5	5	5	5	5	5	5	5	5	4	4	3	3	3					
	Gradient	0	Gradient	2	2	2	2	2	2	2	2	2	2	2	2	2	2					
	Distance	10	Distance	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0					
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5					
	Facade Noise Levels dB(A)	84.5	85.4	86.6	86.2	86.2	86.2	85.8	86.6	86.5	86.4	85.9	85.4	84.4	82.9	81.6	80.4	Average Level over 16 hr				
	HKPSG Exceedances	14.5	15.4	16.6	16.2	16.2	16.2	15.8	16.6	16.5	16.4	15.9	15.4	14.4	12.9	11.6	10.4	85.4				
	16		= number of hours exceeded 70 dB(A)																			
3637	LV	1,966	2,210	1,767	1,670	1,757	1,820	1,727	1,886	1,951	2,081	2,476	2,654	2,643	2,205	2,103	2,000	1,981	2,413	2,026		
	HV	855	829	1,255	1,285	1,381	1,195	1,137	1,188	1,290	1,243	917	979	684	439	449	354	921	973	970		
	SPD	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20	17	20		
	total	2821	3038	3022	3134	3138	3016	2864	3074	3241	3324	3392	3533	3306	2844	2552	2354					
	% HV	30	27	42	40	44	40	40	39	40	37	27	28	20	17	18	15					
	BNL	77	77	77	77	77	77	77	77	77	77	77	78	78	77	76	76					
	% HV	4	4	5	5	6	5	5	5	5	5	4	4	3	2	2	2					
	Gradient	0	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
	Distance	12	Distance	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1					
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0					
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5					
	Facade Noise Levels dB(A)	81.3	81.2	82.8	82.9	83.2	82.6	82.4	82.6	83.0	82.8	81.7	81.9	80.4	78.8	78.9	78.0	Average Level over 16 hr				
	HKPSG Exceedances	11.3	11.2	12.8	12.9	13.2	12.6	12.4	12.6	13.0	12.8	11.7	11.9	10.4	8.8	8.9	8.0	81.8				
	16		= number of hours exceeded 70 dB(A)																			
3641	LV	3,038	3,089	2,974	2,945	1,896	1,739	1,501	1,790	2,237	2,980	2,300	3,047	2,538	1,795	2,201	2,096	2,748	2,475	2,330		
	HV	940	1,093	1,298	1,536	1,907	1,662	1,639	2,003	1,901	1,592	1,299	1,389	1,248	808	500	466	1,067	1,229	1,381		
	SPD	37.0	37.0	37.0	36.5	36.5	36.5	36.5	36.5	37.5	37.5	37.5	37.5	37.5	36.5	36.5	36.5	37	38	37		
	total	3978	4183	4272	4481	3803	3401	3240	3793	4138	4572	3598	4436	3786	2603	2700	2562					
	% HV	24	28	30	34	50	49	51	53	46	35	36	31	33	31	19	19					
	BNL	78	78	79	79	78	78	77	78	78	79	78	79	78	76	77	76					
	% HV	2	2	3	3	5	5	5	5	4	3	3	3	3	3	1	1					
	Gradient	6	Gradient	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					
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0					
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5					
	Facade Noise Levels dB(A)	82.4	82.9	83.5	84.2	84.9	84.3	84.2	85.1	84.9	84.3	83.4	83.8	83.3	81.5	79.9	79.6	Average Level over 16 hr				
	HKPSG Exceedances	12.4	12.9	13.5	14.2	14.9	14.3	14.2	15.1	14.9	14.3	13.4	13.8	13.3	11.5	9.9	9.6	83.5				
	16		= number of hours exceeded 70 dB(A)																			
3652	LV	307	904	436	422	438	430	419	481	517	515	692	713	707	708	708	709	474	722	529		
	HV	393	488	505	485	492	469	504	477	492	508	498	445	398	332	277	231	482	482	425		
	SPD	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	23.3	23.3	23.3	23.3	24.3	24.3	24.3	24	23	24		
	total	700	993	941	906	929	899	923	958	1009	1023	1190	1158	1105	1040	985	940					
	% HV	56	49	54	53	52	55	50	49	50	42	38	36	32	28	25						
	BNL	71	72	72	72	72	72	72	72	72	72	73	73	73	72	72	72					
	% HV	6	5	6	6	6	6	6	5	5	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	8	Distance	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0					
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5					
	Facade Noise Levels dB(A)	78.2	79.2	79.3	79.1	79.2	79.0	79.3	79.1	79.2	79.5	79.5	79.0	78.6	77.7	77.0	76.3	Average Level over 16 hr				
	HKPSG Exceedances	8.2	9.2	9.3	9.1	9.2	9.0	9.3	9.1	9.2	9.5	9.5	9.0	8.6	7.7	7.0	6.3	78.8				
	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-V106 SCII Full High 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						
3683	LV	1,182	1,514	1,320	1,173	1,166	1,106	1,048	1,227	1,265	1,248	1,149	1,522	1,492	1,191	952	760	1,352	1,142	1,196						
	HV	605	916	1,015	1,120	1,105	1,011	947	1,073	1,173	1,085	942	878	621	433	302	210	919	923	817						
	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	20	20						
	total	1787	2431	2335	2293	2271	2118	1994	2299	2438	2333	2091	2400	2113	1624	1253	970									
	% HV	34	38	43	49	49	48	47	47	48	47	45	37	29	27	24	22									
	BNL	75	75	76	76	76	75	75	76	76	76	75	75	74	73	72										
	% HV	5	5	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										
	Distance	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										
3702	LV	7,676	6,450	6,046	4,830	3,938	3,618	3,582	4,453	4,081	4,298	4,966	6,609	6,255	4,893	3,828	2,965	5,597	4,940	4,806						
	HV	1,795	1,502	1,854	1,927	2,047	1,741	2,141	2,483	2,323	2,308	1,942	1,851	1,435	1,101	845	648	1,446	1,906	1,758						
	SPD	72.0	72.0	72.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	72	74	74						
	total	9471	7951	7900	6757	5983	5359	5722	6936	6404	6605	6908	8460	7690	5994	4673	3613									
	% HV	19	19	23	29	34	32	37	36	36	35	28	22	19	18	18										
	BNL	82	81	81	80	80	79	80	81	80	80	81	81	81	80	79	78									
	% HV	3	3	4	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										
	Distance	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75										
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1										
3801	LV	4,304	4,839	4,746	4,826	4,411	4,784	4,398	4,923	5,023	4,719	4,909	5,601	5,767	5,027	5,510	5,821	4,501	4,839	5,045						
	HV	1,746	1,377	1,777	1,926	2,236	1,888	2,108	2,261	2,197	2,191	1,695	1,452	1,029	876	673	581	1,394	1,699	1,648						
	SPD	53.5	53.5	53.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	54	49	49						
	total	6050	6216	6523	6752	6647	6672	6506	7184	7220	6910	6604	7053	6795	5903	6183	6402									
	% HV	29	23	27	29	34	28	32	31	30	32	25	21	15	15	11	9									
	BNL	80	80	80	80	80	80	80	81	81	81	80	81	81	80	80	80									
	% HV	3	3	3	3	4	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										
	Distance	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										
3802	LV	1,303	1,795	1,708	1,726	1,523	1,765	1,656	1,773	1,729	1,690	1,608	2,112	1,828	1,546	1,307	1,105	1,597	1,674	1,636						
	HV	548	763	926	1,172	1,160	1,042	1,101	1,077	1,054	1,120	872	820	546	458	385	323	739	849	847						
	SPD	57.3	57.3	57.3	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	57	56	56						
	total	1851	2558	2634	2898	2683	2806	2757	2850	2783	2810	2480	2931	2374	2004	1691	1428									
	% HV	30	30	35	40	43	37	40	38	38	40	35	28	23	23	23										
	BNL	75	76	76	77	76	77	77	77	77	77	76	77	76	75	74	74									
	% HV	4	4	4	5	5	4	4	4	4	4	4	3	3	3	3										
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
	Distance	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9										
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1										
3803	LV	2,314	4,304	3,443	3,010	3,125	3,068	2,991	3,435	3,693	3,463	4,029	4,548	5,047	5,052	5,057	5,062	4,044	4,201	3,777						
	HV	3,331	3,370	4,012	4,373	4,434	4,230	4,549	4,302	4,439	4,412	3,814	3,712	3,588	2,994	2,499	2,086	3,327	3,692	3,829						
	SPD	45.5	45.5	45.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	42.5	42.5	42.5	42.5	42.5	42.5	46	43	44						
	total	5645	7674	7455	7384	7559	7298	7540	7737	8132	7875	7843	8260	8635	8046	7556	7147									
	% HV	59	44	54	59	58	58	58	56	55	56	45	42	37	33	29										
	BNL	80	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81									
	% HV	5	4	5	5	5	5	5	5	5	5	4	4	4	3	3										
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
	Distance	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										
3804	LV	3,749	3,794	3,666	3,493	2,774	2,834	2,649	3,164	3,218	3,517	3,786	4,468	4,099	3,560	3,092	2,885	3,552	3,739	3,343						
	HV	2,368	2,455	3,339	4,074	3,874	4,020	3,701	4,212	4,150	3,881	3,005	2,563	1,966	1,504	1,150	880	2,487	2,871	3,022						
	SPD	55.0	55.0	55.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	52.5	52.5	52.5	52.5	53.0	53.0	55	53	53						

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2006CTS3(815100)MAIN MODEL RUN-V106 SCII Full High Budget Toll with New Bus

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

Model Output

2006CTS3(815100)MAIN MODEL RUN-V106 SCPT on Highways																			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					
3806	LV	2,658	3,275	2,934	2,665	2,649	2,515	2,381	2,788	2,874	2,905	2,951	3,642	3,390	2,708	2,163	1,728	2,924	2,933	2,718	
	HV	1,454	1,925	2,334	2,817	2,779	2,544	2,381	2,698	2,951	2,640	2,038	2,061	1,562	1,089	759	529	1,931	1,996	2,055	
	SPD	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67	67	67	
	total	4113	5200	5268	5482	5428	5059	4762	5486	5826	5545	4988	5702	4952	3796	2921	2256				
	% HV	35	37	44	51	51	50	50	49	51	48	41	36	32	29	25	23				
	BNL	78	79	79	80	80	79	79	80	80	80	79	80	79	78	77	76				
	% HV	5	5	5	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	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	Average Level over 16 hr			
Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5				
Facade Noise Levels dB(A)		81.7	82.8	83.5	84.2	84.1	83.7	83.4	84.0	84.4	83.9	83.0	83.2	82.1	80.7	79.3	77.8				
HKPSG Exceedances		11.7	12.8	13.5	14.2	14.1	13.7	13.4	14.0	14.4	13.9	13.0	13.2	12.1	10.7	9.3	7.8				
		16	= number of hours exceeded 70 dB(A)																		
3807	LV	2,326	2,508	2,265	1,967	1,929	2,091	1,830	2,259	1,990	2,038	2,248	2,919	2,859	2,258	1,784	1,409	2,356	2,233	2,132	
	HV	1,144	1,114	1,433	1,789	1,912	1,742	1,840	1,876	1,846	1,650	1,201	970	729	524	376	270	1,180	1,154	1,289	
	SPD	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	16	18	15	
	total	3471	3622	3698	3736	3841	3833	3670	4136	3636	3688	3449	3889	3588	2782	2160	1680				
	% HV	33	31	39	47	50	45	50	45	45	45	35	25	20	19	17	16				
	BNL	78	78	78	78	78	78	78	78	78	78	78	78	78	77	76	74				
	% HV	5	4	5	6	6	6	6	6	6	6	5	3	3	2	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	Average Level over 16 hr			
Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5				
Facade Noise Levels dB(A)		80.7	80.6	81.6	82.5	82.8	82.4	82.6	82.7	82.2	82.2	80.9	80.1	79.0	77.7	76.3	74.9				
HKPSG Exceedances		10.7	10.6	11.6	12.5	12.8	12.4	12.6	12.7	12.2	12.2	10.9	10.1	9.0	7.7	6.3	4.9				
		16	= number of hours exceeded 70 dB(A)																		
3814	LV	1,796	1,651	1,667	1,586	1,555	1,686	1,475	1,822	1,604	1,696	2,102	2,515	2,305	1,821	1,438	1,136	1,551	2,088	1,719	
	HV	786	580	892	1,266	1,368	1,248	1,316	1,342	1,178	1,190	893	706	521	375	269	193	614	858	922	
	SPD	20.5	20.5	20.5	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	21	18	19	
	total	2562	2231	2559	2851	2923	2932	2791	3164	2782	2886	2995	3221	2828	2195	1707	1330				
	% HV	30	26	35	44	47	42	47	42	42	41	30	22	18	17	16	15				
	BNL	76	76	76	77	77	77	77	77	77	77	77	77	77	76	75	73				
	% HV	4	4	5	6	6	6	6	6	6	6	5	4	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	Average Level over 16 hr			
Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5				
Facade Noise Levels dB(A)		80.7	79.6	81.3	82.8	83.2	82.8	83.0	83.1	82.5	82.6	81.5	80.7	79.5	78.1	76.7	75.4				
HKPSG Exceedances		10.7	9.6	11.3	12.8	13.2	12.8	13.0	13.1	12.5	12.6	11.5	10.7	9.5	8.1	6.7	5.4				
		16	= number of hours exceeded 70 dB(A)																		
3816	LV	1,948	2,455	2,544	2,372	2,426	2,344	2,338	2,548	2,582	2,595	2,572	2,710	2,801	2,518	2,539	2,575	2,383	2,582	2,493	
	HV	684	964	1,009	1,196	1,117	1,189	1,090	1,041	1,070	1,075	1,041	1,094	956	769	670	620	905	1,044	974	
	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	16	17	
	total	2632	3420	3554	3568	3543	3533	3428	3589	3652	3670	3613	3805	3757	3287	3209	3195				
	% HV	26	28	28	34	32	34	32	29	29	29	29	29	25	23	21	19				
	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	Average Level over 16 hr			
Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5				
Facade Noise Levels dB(A)		83.0	84.5	84.7	85.3	85.0	85.3	84.9	84.8	84.9	84.9	84.8	85.0	84.5	83.6	83.1	82.8				
HKPSG Exceedances		13.0	14.5	14.7	15.3	15.0	15.3	14.9	14.8	14.9	14.9	14.8	15.0	14.5	13.6	13.1	12.8				
		16	= number of hours exceeded 70 dB(A)																		
3818	LV	642	1,126	1,395	1,207	1,200	1,281	1,172	1,342	1,295	1,137	1,128	1,431	1,654	1,456	1,420	1,319	1,026	1,126	1,315	
	HV	481	920	935	955	927	882	791	941	1,036	952	801	768	544	453	366	341	897	813	728	
	SPD	23.5	23.5	23.5	24.5	24.5	24.5	24.5	24.5	24.5	24.0	24.0	24.0	24.0	24.0	24.5	24.5	24	24	25	
	total	1123	2046	2330	2162	2127	2163	1963	2283	2331	2089	1929	2199	2197	1908	1786	1660				
	% HV	43	45	40	44	44	41	40	41	44	46	42	35	25	24	20	21				
	BNL	73	75	76	76	75	76	75	76	76	75	75	76	76	75	75	74				
	% HV	5	5	5	5	5	5	5	5	5	5	5	4	3	3	2	2				
Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Distance	12	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1				
Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	Average Level over 16 hr			
Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5				
Facade Noise Levels dB(A)		78.0	80.8	80.9	80.8	80.7	80.5	80.0	80.8	81.1	80.8	80.1	80.0	78.7	77.9	77.1	76.8				
HKPSG Exceedances		8.0	10.8																		

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2006CTS3(815100)MAIN MODEL RUN-V106 SCII Full High 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				
3828	LV	1,206	1,912	1,795	1,491	1,370	1,427	1,507	1,551	1,717	1,582	1,264	1,675	1,790	1,429	1,140	910	1,853	1,348	1,453				
	HV	713	794	1,132	1,210	1,213	1,215	1,083	1,331	1,269	1,131	961	868	704	527	395	296	819	941	941				
	SPD	21.0	21.0	21.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	21	22	22				
	total	1919	2706	2927	2701	2583	2642	2590	2882	2986	2713	2225	2544	2494	1956	1535	1205							
	% HV	37	29	39	45	47	46	42	46	43	42	43	34	28	27	26	25							
	BNL	75	77	77	77	76	76	76	77	77	77	76	76	76	75	74	73							
	% HV	5	4	5	5	5	5	5	5	5	5	5	4	4	3	3	3							
	Gradient 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	Average Level over 16 hr						
3828	Facade Noise Levels dB(A)	80.8	81.4	82.8	82.8	82.8	82.8	82.4	83.2	83.0	82.5	81.8	81.5	80.7	79.5	78.2	77.0	81.8						
	HKPSG Exceedances	10.6	11.4	12.8	12.8	12.8	12.8	12.4	13.2	13.0	12.5	11.8	11.5	10.7	9.5	8.2	7.0							
	16	= number of hours exceeded 70 dB(A)																						
3829	LV	1,680	2,391	2,408	2,165	1,989	2,071	2,188	2,251	2,492	2,366	2,095	2,588	2,598	2,073	1,655	1,321	2,318	2,235	2,109				
	HV	1,060	1,296	1,732	1,754	1,758	1,761	1,570	1,929	1,840	1,673	1,513	1,311	1,021	764	572	429	1,337	1,482	1,364				
	SPD	20.0	20.0	20.0	22.0	22.0	22.0	22.0	22.0	20.5	20.5	20.5	20.5	20.5	22.0	22.0	22.0	20	21	22				
	total	2740	3688	4140	3919	3746	3832	3758	4180	4332	4039	3608	3899	3619	2838	2227	1749							
	% HV	39	35	42	45	47	46	42	46	42	41	42	34	28	27	26	25							
	BNL	77	78	78	78	78	78	78	78	79	78	78	78	78	78	77	76							
	% HV	5	5	5	5	5	5	5	5	5	5	5	4	4	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	Average Level over 16 hr						
3829	Facade Noise Levels dB(A)	84.5	85.4	86.6	86.2	86.2	86.2	85.8	86.6	86.5	86.4	85.9	85.4	84.4	82.9	81.6	80.4	85.4						
	HKPSG Exceedances	14.5	15.4	16.6	16.2	16.2	16.2	15.8	16.6	16.5	16.4	15.9	15.4	14.4	12.9	11.6	10.4							
	16	= number of hours exceeded 70 dB(A)																						
3830	LV	1,949	2,182	1,750	1,856	1,744	1,807	1,714	1,872	1,937	2,068	2,469	2,541	2,623	2,189	2,088	1,986	1,956	2,407	2,011				
	HV	815	783	1,193	1,208	1,320	1,142	1,087	1,138	1,233	1,187	871	933	634	419	429	338	870	925	927				
	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	20				
	total	2764	2964	2943	3064	3064	2949	2801	3007	3169	3255	3341	3475	3257	2608	2517	2324							
	% HV	29	26	41	39	43	39	39	38	39	36	26	27	19	16	17	15							
	BNL	77	77	77	77	77	77	77	77	77	77	77	77	76	76	76	76							
	% HV	4	4	5	5	6	5	5	5	5	5	4	4	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	Average Level over 16 hr						
3830	Facade Noise Levels dB(A)	81.1	81.0	82.6	82.7	83.0	82.4	82.2	82.4	82.8	82.6	81.5	81.7	80.3	78.6	78.7	77.8	81.6						
	HKPSG Exceedances	11.1	11.0	12.6	12.7	13.0	12.4	12.2	12.4	12.8	12.6	11.5	11.7	10.3	8.6	8.7	7.8							
	16	= number of hours exceeded 70 dB(A)																						
3843	LV	1,023	1,371	1,384	1,220	1,247	1,205	1,202	1,311	1,328	1,345	1,364	1,415	1,441	1,295	1,306	1,324	1,331	1,375	1,282				
	HV	631	928	943	1,089	1,017	1,082	992	947	974	978	948	996	870	700	610	564	871	951	887				
	SPD	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	18	17	18				
	total	1653	2299	2306	2309	2264	2288	2194	2258	2301	2323	2312	2411	2311	1995	1916	1868							
	% HV	38	40	41	47	45	47	45	42	42	42	41	41	38	35	32	30							
	BNL	74	76	76	76	76	76	76	76	76	76	76	76	76	75	75	75							
	% HV	5	5	5	6	6	6	6	5	5	5	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 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	Average Level over 16 hr						
3843	Facade Noise Levels dB(A)	82.5	84.1	84.2	84.8	84.5	84.7	84.4	84.2	84.3	84.3	84.2	84.4	83.9	83.0	82.4	82.1	84.0						
	HKPSG Exceedances	12.5	14.1	14.2	14.8	14.5	14.7	14.4	14.2	14.3	14.3	14.2	14.4	13.9	13.0	12.4	12.1							
	16	= number of hours exceeded 70 dB(A)																						
3854	LV	2,610	2,335	2,474	2,596	1,672	1,533	1,412	1,578	1,972	2,635	2,055	2,703	2,237	1,582	1,940	1,847	2,077	2,212	2,054				
	HV	819	1,214	1,223	1,241	1,541	1,343	1,325	1,619	1,536	1,365	1,400	1,273	1,009	653	404	376	1,185	1,324	1,116				
	SPD	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20	19	19				
	total	3429	3549	3697	3837	3213	2876	2736	3197															

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2006CTS3(815100)MAIN MODEL RUN-V106 SCII Full High Budget Toll with New Bus

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

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	
4002	LV	1,125	1,725	1,523	1,447	1,277	1,480	1,389	1,487	1,449	1,418	1,354	1,774	1,533	1,295	1,096	926	1,534	1,410	1,372	
	HV	486	684	823	1,035	1,024	919	972	951	930	999	805	739	482	404	339	285	862	784	748	
	SPD	60.8	60.8	60.8	61.0	61.0	61.0	61.0	61.0	61.0	61.5	61.5	61.5	61.5	61.0	61.0	61.0	61	62	61	
	total	1510	2409	2346	2482	2301	2399	2360	2438	2380	2417	2160	2513	2015	1700	1435	1211				
	% HV	30	28	35	42	44	38	41	39	39	41	37	29	24	24	24	24				
	BNL	74	76	76	76	76	76	76	76	76	76	76	76	76	75	75	74	73			
	% HV	4	4	4	5	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	Average Level over 16 hr			
Facade Noise Levels dB(A)		80.0	81.6	82.1	82.9	82.8	82.5	82.7	82.6	82.8	82.8	82.0	81.9	80.3	79.6	78.8	78.0	81.7			
HKPSG Exceedances		10.0	11.6	12.1	12.9	12.8	12.5	12.7	12.6	12.6	12.8	12.0	11.9	10.3	9.6	8.8	8.0				
		16	= number of hours exceeded 70 dB(A)																		
4003	LV	4,094	4,287	4,039	3,943	2,539	2,328	2,143	2,396	2,995	4,156	3,672	4,436	3,397	2,403	2,946	2,805	3,814	3,952	3,119	
	HV	1,935	2,163	2,642	3,196	3,968	3,460	3,411	4,169	3,957	3,323	2,748	2,911	2,597	1,681	1,040	969	2,111	2,600	2,874	
	SPD	57.0	57.0	57.0	54.5	54.5	54.5	54.5	54.5	53.5	53.5	53.5	53.5	53.5	54.5	54.5	54.5	57	54	55	
	total	6029	6451	6681	7138	6507	5787	5555	6565	6951	7479	6420	7347	5994	4084	3986	3775				
	% HV	32	34	40	45	61	60	61	64	57	44	43	40	43	41	26	26				
	BNL	80	80	80	81	80	80	80	80	81	81	80	81	80	78	78	78				
	% HV	4	4	5	5	6	6	6	6	5	5	4	5	5	3	3	3				
	Gradient	6	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	-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)		83.4	83.8	84.5	85.1	85.8	85.2	85.1	86.0	85.8	85.2	84.4	84.7	84.2	82.4	80.8	80.5	84.4			
HKPSG Exceedances		13.4	13.8	14.5	15.1	15.8	15.2	15.1	16.0	15.8	15.2	14.4	14.7	14.2	12.4	10.8	10.5				
		16	= number of hours exceeded 70 dB(A)																		
4011	LV	1,050	1,397	1,363	1,402	1,237	1,434	1,346	1,440	1,404	1,369	1,289	1,705	1,485	1,256	1,062	897	1,243	1,342	1,329	
	HV	247	388	434	511	505	454	479	469	459	500	423	376	238	200	168	141	376	412	369	
	SPD	39.5	39.5	39.5	39.0	39.0	39.0	39.0	39.0	39.0	38.5	38.5	38.5	38.5	39.0	39.0	39.0	40	39	39	
	total	1297	1786	1797	1913	1742	1887	1825	1910	1863	1869	1712	2081	1723	1455	1229	1038				
	% HV	19	22	24	27	29	24	26	25	25	27	25	18	14	14	14	14				
	BNL	73	75	75	75	75	75	75	75	75	75	75	75	75	74	73	72				
	% HV	1	2	2	2	3	2	2	2	2	2	2	1	0	0	0	0				
	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	Average Level over 16 hr			
Facade Noise Levels dB(A)		76.6	78.4	78.7	79.3	79.2	78.9	79.1	79.1	79.0	79.2	78.6	78.4	76.8	76.1	75.4	74.6	78.2			
HKPSG Exceedances		6.6	8.4	8.7	9.3	9.2	8.9	9.1	9.1	9.0	9.2	8.6	8.4	6.8	6.1	5.4	4.6				
		16	= number of hours exceeded 70 dB(A)																		
4012	LV	1,679	1,253	1,475	1,552	1,522	1,650	1,443	1,783	1,570	1,618	1,831	2,335	2,255	1,782	1,408	1,112	1,177	1,819	1,682	
	HV	722	568	850	1,182	1,277	1,163	1,229	1,253	1,100	1,106	817	653	487	350	251	180	602	785	861	
	SPD	43.0	43.0	43.0	38.0	38.0	38.0	38.0	38.0	37.0	37.0	37.0	37.0	37.0	38.0	38.0	38.0	43	37	38	
	total	2402	1821	2325	2734	2799	2813	2673	3038	2669	2725	2548	2989	2742	2131	1659	1292				
	% HV	30	31	37	43	46	41	46	41	41	41	31	22	18	16	15	14				
	BNL	76	75	76	77	77	77	76	77	76	77	76	77	77	75	74	73				
	% HV	3	3	4	4	4	4	4	4	4	4	3	2	1	1	1	0				
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	Distance	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)		79.3	78.3	79.9	81.1	81.4	81.0	81.2	81.4	80.8	80.8	79.7	79.1	78.1	76.7	75.4	74.1	79.7			
HKPSG Exceedances		9.3	8.3	9.9	11.1	11.4	11.0	11.2	11.4	10.8	10.8	9.7	9.1	8.1	6.7	5.4	4.1				
		16	= number of hours exceeded 70 dB(A)																		
4014	LV	1,613	2,182	2,157	1,917	1,961	1,895	2,060	2,087	2,116	2,153	2,229	2,284	2,035	2,053	2,082		2,118	2,170	2,015	
	HV	532	780	794	919	858	913	837	799	822	836	843	882	734	591	514	476	732	845	748	
	SPD	23.5	23.5	23.5	24.5	24.5	24.5	24.5	24.5	24.5	23.5	23.5	23.5	24.5	24.5	24.5	24.5	24	24	25	
	total	2144	2962	2951	2836	2818	2808	2727	2859	2908	2952	2996	3082	2998	2626	2567	2557				
	% HV	25	26	27	32	30	33	31	28	28	28	28	28	24	23	20	19				
	BNL	76	77	77	77	77	77	77	77	77	77	77	77	77	77	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	5	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2				
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr			
Facade Noise Levels dB(A)		81.3	82.9	83.0	83.4	83.1	83.4	83.0	82.9	83.0	83.2	83.3	82.7	81.7	81.2	80.9	82.7				
HKPSG Exceedances		11.3	12.9	13.0	13.4	13.1	13.4	13.0	12.9	13.0	13.2	13.3	12.7	11.7	11.2	10.9		79.3			
		16	= number of hours exceeded 70 dB(A)																		
4016	LV	642	1,128	1,395	1,207	1,200	1,281	1,172	1,342	1,295	1,137	1,128	1,431	1,654	1,455	1,420	1,319	1,026	1,126	1,315	
	HV	481	920	935	955	927	882	791	941	1,036	952	801	768	544	453	366	341	897			

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2006CTS3(815100)MAIN MODEL RUN-V106 SCII Full High Budget Toll with New Bus

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

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	
4018	LV	929	1,483	1,306	1,291	1,340	1,316	1,283	1,473	1,564	1,419	1,441	1,761	2,165	2,167	2,169	2,171		1,393	1,503	1,620	
	HV	858	918	1,059	1,126	1,142	1,089	1,171	1,108	1,143	1,151	1,042	982	824	771	844	537		906	1,009	988	
	SPD	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	22.5	22.5	22.5	22.5	23.0	23.0	23.0	23.0		23	23	23	
	total	1797	2400	2365	2417	2482	2405	2454	2581	2727	2570	2484	2763	3089	2938	2813	2708					
	% HV	48	38	45	47	46	45	48	43	42	45	42	36	30	28	23	20					
	BNL	75	76	76	76	76	76	76	76	77	76	76	77	77	77	77	77					
	% HV	5	5	5	5	5	5	5	5	5	5	4	4	3	3	3	2					
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
	Distance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
4024	LV	1,194	1,888	1,776	1,479	1,359	1,415	1,495	1,538	1,703	1,569	1,256	1,683	1,775	1,417	1,131	902		1,830	1,340	1,441	
	HV	679	744	1,073	1,157	1,160	1,162	1,036	1,273	1,214	1,079	910	827	674	504	376	283		767	891	900	
	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	1873	2632	2849	2638	2518	2577	2631	2811	2917	2648	2166	2490	2449	1921	1508	1185					
	% HV	36	28	38	44	46	45	41	45	42	41	42	33	28	25	24	24					
	BNL	75	76	77	78	76	76	76	77	77	76	76	76	76	75	74	73					
	% HV	4	3	4	5	5	5	4	5	4	4	4	3	3	3	2	2					
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
	Distance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
4026	LV	1,326	1,374	1,163	1,289	1,211	1,255	1,191	1,300	1,345	1,447	1,766	1,791	1,822	1,520	1,450	1,379		1,232	1,721	1,397	
	HV	594	573	871	880	961	832	791	827	897	872	657	691	462	305	312	246		637	897	675	
	SPD	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	22.0	22.0	22.0	22.0	22.0	24.0	24.0	24.0		24	22	24	
	total	1920	1947	2034	2169	2172	2087	1982	2127	2243	2318	2422	2482	2284	1826	1763	1628					
	% HV	31	29	43	41	44	40	40	39	40	38	27	28	20	17	18	15					
	BNL	75	75	75	76	76	75	75	75	76	76	76	76	76	75	75	74					
	% HV	4	3	5	5	5	5	5	4	5	5	3	3	2	1	2	1					
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
	Distance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
4028	LV	1,208	1,391	1,180	866	765	868	794	830	840	847	963	1,060	1,230	1,005	822	672		1,263	931	920	
	HV	629	457	583	532	557	536	558	548	649	571	571	508	490	347	246	175		484	533	497	
	SPD	42.0	42.0	42.0	45.0	45.0	45.0	45.0	45.0	45.0	43.5	43.5	43.5	43.5	45.0	45.0	45.0		42	44	45	
	total	1837	1847	1763	1398	1321	1404	1352	1378	1489	1418	1534	1568	1719	1353	1068	847					
	% HV	34	25	33	38	42	38	41	40	44	40	37	32	28	26	23	21					
	BNL	75	75	75	74	73	74	74	74	74	74	74	74	74	74	72	71					
	% HV	3	2	3	4	4	4	4	4	4	4	4	3	3	2	2	2					
	Gradient	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3					
	Distance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
4054	LV	2,423	2,228	2,312	2,398	1,544	1,416	1,304	1,457	1,821	2,449	1,955	2,531	2,066	1,481	1,792	1,706		1,982	2,104	1,897	
	HV	919	1,353	1,369	1,395	1,733	1,511	1,490	1,821	1,728	1,521	1,514	1,406	1,134	734	454	423		1,320	1,432	1,255	
	SPD	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0		19	18	19	
	total	3342	3581	3681	3793	3277	2926	2793	3278	3549	3971	3469	3937	3200	2195	2246	2130					
	% HV	27	38	37	37	53	52	53	56	49	38	44	36	35	33	20	20					
	BNL	77	78	78	78	77	77	77	77	78	78	78	78	77	76	76	75					
	% HV	4	5	5	5	6	6	6	7	6	5	6	5	5	5	3	3					
	Gradient	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3					
	Distance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
4201	LV	2,279	2,327	1,469	1,333	1,212	1,152	1,283	1,398	1,517	1,491	1,780	2,186	1,974	1,754	1,559	1,386		1,977	1,769	1,562	
	HV	292	436	436	438	409	367	416	436	414	411	378	354	309	231	172	129		420	373	339	
	SPD	37.0	37.0	37.0	38.0	38.0	38.0	38.0	38.0	38.0	37.0	37.0	37.0	37.0	37.0	38.0	38.0		37	37	38	
	total	2571	2763	1906	1772	1621	1518	1698	1833	1931	1901	2158	2540	2282	1985	1732	1515					
	% HV	11	16	23	25	24	24	24	24	21	22	18	14	14	12	10	8					
	BNL	76	77	75	75	74	74	75	75	75	75	75	76	76	75	75	74					
	% HV	0	1	2	2	2	2	2	2	2	2	1	0	0	0	0	-1					
	Gradient	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3					
	Distance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2006CTS3(815100)MAIN MODEL RUN-V106 SCII Full High Budget Toll with New Bus

2006CTS3(815100)MAIN MODEL RUN-V106 SCII Full High 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					
4203	LV	1,106	1,816	1,668	1,349	1,239	1,290	1,363	1,402	1,552	1,433	1,151	1,520	1,619	1,292	1,031	823	1,760	1,228	1,314		
	HV	569	620	898	972	974	976	870	1,069	1,020	909	775	699	565	424	317	238	639	759	756		
	SPD	24.0	24.0	24.0	22.5	22.5	22.5	22.5	22.5	21.5	21.5	21.5	21.5	21.5	22.5	22.5	22.5	24	22	23		
	total	1675	2435	2566	2321	2213	2267	2233	2472	2572	2342	1926	2219	2185	1716	1348	1060					
	% HV	34	25	35	42	44	43	39	43	40	39	40	31	26	25	24	22					
	BNL	74	75	76	76	76	76	76	76	76	76	75	76	76	75	73	72					
	% HV	4	3	4	5	5	5	5	5	5	5	4	3	3	3	3	3					
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
	Distance	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	Average Level over 16 hr			
Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	80.7				
Facade Noise Levels dB(A)		79.3	79.9	81.3	81.8	81.8	81.8	81.4	82.2	82.0	81.7	81.0	80.7	79.9	78.5	77.3	76.0					
HKPSG Exceedances		9.3	9.9	11.3	11.8	11.8	11.8	11.4	12.2	12.0	11.7	11.0	10.7	9.9	8.5	7.3	6.0					
		16 = number of hours exceeded 70 dB(A)																				
4204	LV	1,619	1,981	2,094	1,989	2,034	1,966	1,960	2,137	2,165	2,129	1,965	2,174	2,349	2,111	2,130	2,160	1,922	1,980	2,091		
	HV	631	831	912	1,124	1,050	1,117	1,025	978	1,006	998	930	1,004	898	723	629	582	780	932	915		
	SPD	23.3	23.3	23.3	21.0	21.0	21.0	21.0	21.0	21.7	21.7	21.7	21.7	21.7	21.0	21.0	21.0	23	22	21		
	total	2250	2811	3006	3113	3084	3083	2985	3115	3171	3128	2895	3177	3248	2835	2759	2742					
	% HV	28	30	30	36	34	36	34	31	32	32	32	32	28	26	23	21					
	BNL	76	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77					
	% HV	3	3	4	5	4	5	4	4	4	4	4	4	4	3	3	3					
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
	Distance	5	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2					
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	Average Level over 16 hr			
Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	83.8				
Facade Noise Levels dB(A)		82.0	83.2	83.6	84.8	84.5	84.8	84.4	84.3	84.4	84.2	83.9	84.2	83.8	83.1	82.5	82.2					
HKPSG Exceedances		12.0	13.2	13.6	14.8	14.5	14.8	14.4	14.3	14.4	14.2	13.9	14.2	13.8	13.1	12.5	12.2					
		16 = number of hours exceeded 70 dB(A)																				
4205	LV	1,305	1,700	1,684	1,753	1,546	1,792	1,682	1,800	1,755	1,698	1,553	2,097	1,856	1,569	1,327	1,122	1,512	1,617	1,661		
	HV	345	510	594	725	717	644	681	666	652	693	538	507	338	283	238	200	494	524	524		
	SPD	28.5	28.5	28.5	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	29	25	25		
	total	1650	2210	2278	2478	2264	2436	2363	2467	2407	2390	2091	2603	2194	1853	1565	1321					
	% HV	21	23	26	29	32	29	27	27	29	26	26	19	15	15	15	15					
	BNL	74	76	76	76	76	76	76	76	76	76	75	76	76	75	74	73					
	% HV	2	2	3	3	4	3	3	3	3	3	3	2	1	1	1	1					
	Gradient	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
	Distance	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	Average Level over 16 hr			
Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	79.9				
Facade Noise Levels dB(A)		78.0	79.6	80.2	81.3	81.2	80.8	81.0	80.9	80.8	81.1	80.0	80.0	78.5	77.7	77.0	76.2					
HKPSG Exceedances		8.0	9.6	10.2	11.3	11.2	10.8	11.0	10.9	10.8	11.1	10.0	10.0	8.5	7.7	7.0	6.2					
		16 = number of hours exceeded 70 dB(A)																				
4208	LV	3,506	4,145	3,881	3,397	3,740	3,850	3,850	4,028	3,874	3,581	3,575	3,792	4,827	4,269	4,327	4,179	4,075	3,508	3,964		
	HV	2,035	2,116	2,427	2,485	2,600	2,898	2,770	2,801	2,842	2,798	2,367	2,300	1,565	1,336	1,057	924	2,211	2,351	2,187		
	SPD	35.0	35.0	35.0	38.0	38.0	38.0	38.0	38.0	38.0	37.0	37.0	37.0	37.0	36.0	36.0	36.0	35	37	36		
	total	5542	6260	6308	5882	6340	6747	6620	6829	6715	6378	5942	6092	6392	5605	5384	5104					
	% HV	37	34	38	42	41	43	42	41	42	44	40	38	24	24	20	18					
	BNL	80	80	80	80	80	80	80	81	80	80	80	80	80	80	80	79					
	% HV	4	3	4	4	4	4	4	4	4	4	4	4	2	2	1	1					
	Gradient	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
	Distance	12	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1					
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	Average Level over 16 hr			
Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	84.8				
Facade Noise Levels dB(A)		84.5	84.7	85.2	85.2	85.4	85.9	85.7	85.8	85.8	85.7	85.0	85.0	83.7	83.0	82.2	81.7					
HKPSG Exceedances		14.5	14.7	15.2	15.2	15.4	15.9	15.7	15.8	15.8	15.7	15.0	15.0	13.7	13.0	12.2	11.7					
		16 = number of hours exceeded 70 dB(A)																				
4212	LV	895	918	1,025	1,026	1,066	1,128	1,053	1,128	1,104	1,138	922	1,143	1,253	1,062	900	783	893	906	1,070		
	HV	770	865	957	993	984	1,046	999	982	1,076	987	907	844	697	497	354	252	904	872	808		
	SPD	23.0	23.0	23.0	24.0	24.0	24.0	24.0	24.0	24.0	24.5	24.5	24.5	24.5	24.0	24.0	24.0	23	25	24		
	total	1665	1783	1982	2018	2049	2174	2052	2109	2179	2125	1829	1987	1950	1559	1254	1015					
	% HV	46	49	48	49	48	48	49	47	49	46	50	42	36	32	28	25					
	BNL	74	75	75	75	75	76	75	75	76	75	75	75	75	74	73	72					
	% HV	5	5	5	5	5	5	5	5	5	5	5	5	4	4	3	3					
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
	Distance	12	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1					
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	Average Level over 18 hr			
Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	80.2				
Facade Noise Levels dB(A)		80.1	80.6	81.0	81.0	81.0	81.2	81.0	81.0	81.3	80.9	80.5	80.3	79.5	78.2	76.8	75.4					
HKPSG Exceedances		10.1	10.8	11.0	11.0	11.0	11.2	11.0	11.0	11.3	10.9	10.5	10.3	9.5	8.2	6.8	6.4					
		16 = number of hours exceeded 70 dB(A)																				
4213	LV	2,979	4,283	3,959	3,829	4,090	4,333	4,197	4,098	4,129	4,156	3,813	4,201	4,259	4,083	3,915	3,754	3,881	3,905	4,036		
	HV	822	1,081	1,391	1,731	1,821	1,823	1,683	1,795	1,765	1,650	1,322	1,240	982	690	485	341	1,111	1,352	1,289		
	SPD	53.0	53.0	53.0	51.5	51.5	51.5	51.5	51.5	51.5	52.0	52.0	52.0	52.0	51.5	51.5	51.5	53	52	52		
	total	3801	5364	5350	5560	5911	5956	5880	5892	5894	5806	5135	5441	5241	4773	4400	4095					
	% HV	22	20	26	31	31	31	27	29	30	30	28	26	23	19	14	11					
	BNL	78	79	79	80	80	80	80	80	80	80											

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2006CTS3(815100)MAIN MODEL RUN-V106 SCII Full High 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 (veh.) or Speed (km/hr)																Model Output		
		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	AM	PM	OP
4214	Stn.	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22			
	LV	4,499	4,146	4,178	3,970	3,894	4,222	3,693	4,561	4,017	4,129	4,617	5,937	5,771	4,559	3,802	2,845	3,895	4,586	4,304
	HV	1,752	1,475	2,100	2,821	3,049	2,777	2,934	2,991	2,625	2,681	2,081	1,609	1,162	835	600	431	1,562	2,000	2,055
	SPD	55.3	55.3	55.3	52.5	52.5	52.5	52.5	52.5	52.5	52.8	52.8	52.8	52.8	52.8	52.5	52.5	55	53	53
	total	6251	5621	6278	6791	6943	6999	6627	7552	6641	6810	6699	7546	6933	5394	4201	3276			
	% HV	28	26	33	42	44	40	44	40	39	31	21	17	15	14	13				
	BNL	80	80	80	81	81	80	81	80	81	80	81	80	81	80	78	77			
	% HV	3	3	4	4	5	4	5	4	4	3	2	2	2	1	1				
	Gradient	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				
4217	Stn.	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22			
	LV	3,085	3,368	2,964	2,245	1,981	2,249	2,059	2,151	2,175	2,208	2,568	2,783	3,187	2,605	2,129	1,741	3,059	2,484	2,384
	HV	1,545	1,167	1,449	1,294	1,354	1,304	1,357	1,332	1,579	1,393	1,405	1,243	1,191	845	600	425	1,186	1,311	1,209
	SPD	31.0	31.0	31.0	36.5	36.5	36.5	36.5	36.5	36.5	34.8	34.8	34.8	34.8	34.8	36.5	36.5	31	35	37
	total	4829	4536	4413	3539	3335	3554	3418	3483	3755	3601	3973	4026	4378	3450	2729	2166			
	% HV	33	26	33	37	41	37	40	38	42	39	35	31	27	24	22	20			
	BNL	79	79	79	78	77	78	78	78	78	78	78	78	79	78	77	76			
	% HV	3	2	3	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				
	Distance	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1				
5001	Stn.	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22			
	LV	3,368	3,006	2,203	2,038	1,821	2,005	1,805	1,759	1,842	2,315	2,485	3,973	3,616	2,883	2,299	1,833	2,568	2,581	2,405
	HV	1,756	2,238	2,831	3,065	3,164	2,641	2,849	3,397	3,546	3,275	2,362	2,303	1,902	1,335	936	657	2,216	2,262	2,436
	SPD	37.5	37.5	37.5	38.0	38.0	38.0	38.0	38.0	38.0	38.5	38.5	38.5	38.5	38.5	38.0	38.0	38	39	38
	total	5124	5243	5034	5102	5015	4646	4654	5155	5387	5590	4947	5276	5518	4218	3235	2490			
	% HV	34	43	56	60	64	57	61	66	66	59	49	37	34	32	29	26			
	BNL	79	79	79	79	79	79	79	79	80	80	79	80	80	78	77	76			
	% HV	3	4	5	5	6	5	6	6	6	5	4	3	3	3	3	2			
	Gradient	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				
5002	Stn.	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22			
	LV	4,549	3,568	2,767	2,466	2,471	2,376	2,371	2,698	2,452	2,865	2,970	4,169	3,931	2,904	2,145	1,584	3,235	2,974	2,834
	HV	1,294	1,339	1,627	1,994	1,948	1,698	1,668	1,854	2,112	1,912	1,557	1,633	1,576	983	613	382	1,330	1,540	1,533
	SPD	62.3	62.3	62.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62	63	63
	total	5843	4907	4393	4460	4419	4074	4039	4552	4564	4778	4528	5802	5507	3886	2757	1966			
	% HV	22	27	37	45	44	42	41	48	40	34	28	29	25	25	22	19			
	BNL	80	79	79	79	79	78	78	79	79	79	79	80	80	78	77	75			
	% HV	3	4	5	5	5	5	5	5	4	4	4	4	4	3	3	3			
	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				
5003	Stn.	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22			
	LV	3,119	3,039	2,192	1,906	1,891	1,874	1,891	1,882	2,064	2,047	2,500	3,228	2,753	2,159	1,694	1,328	2,781	2,448	2,116
	HV	1,404	1,460	1,781	2,769	2,658	2,143	2,113	2,203	2,102	2,002	2,042	1,787	1,614	1,274	1,005	793	1,418	1,332	1,863
	SPD	63.0	63.0	63.0	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	63	61	63
	total	4523	4499	3972	4675	4549	4016	4004	4084	4167	4049	4542	5016	4367	3433	2699	2122			
	% HV	31	32	45	59	58	53	53	54	50	49	45	36	37	37	37	37			
	BNL	79	79	79	79	79	78	78	78	78	78	79	79	79	78	77	75			
	% HV	5	6	7	7	7	7	7	7	7	7	6	6	6	6	6	6			
	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				
5005	Stn.	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22			
	LV	1,915	1,553	1,240	1,096	922	885	880	1,044	1,041	1,023	1,288	1,817	1,889	1,734	1,591	1,461	1,349	1,302	1,347
	HV	450	394	381	434	404	347	326	286	343	345	392	327	271	210	162	126	375	372	311
	SPD	49.0	49.0	49.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	49	50	50
	total	2364	1948	1621	1530	1328	1205	1205	1328	1384	1369	1678	2144	2160	1944	1754	1586			
	% HV	19	20	24	28	30	26	27	21	25	25	23	15	13	11	9	8			
	BNL	76	75	74	74	73	73	73	73	74	74	74	76	76	75	75	74			
	% HV	2	2	2	3	3	3	3	2	3	3	2	1	1	1	1	1			
	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				

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2006CTS3(815100)MAIN MODEL RUN-V106 SCII Full High Budget Toll with New Bus

		Hour Start / 2-way Hourly Traffic Volume (veh.) or Speed (km/hr)																Model Output			
Sta.		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	AM	PM	OP	
5012	LV	6,164	5,246	4,172	4,248	3,621	3,580	3,985	4,058	4,349	5,133	5,668	6,934	7,045	5,624	4,489	3,584	4,622	5,528	4,811	
	HV	3,215	3,810	4,568	4,743	4,943	4,496	4,630	5,895	5,548	5,017	4,115	3,981	3,225	2,558	2,029	1,610	3,666	4,039	4,072	
	SPD	43.5	43.5	43.5	47.0	47.0	47.0	47.0	47.0	38.5	36.5	36.5	36.5	36.5	47.0	47.0	47.0	44	37	47	
	total	9379	9057	8740	8991	8564	8077	8615	9953	9897	10150	9784	10915	10270	8182	6518	5193				
	% HV	34	42	52	53	58	56	54	59	56	49	42	36	31	31	31	31				
	BNL	82	82	82	82	82	81	82	82	82	82	82	83	82	81	80	79				
	% HV	3	4	5	5	5	5	5	5	5	4	4	3	3	3	3	3				
	Gradient	6	Gradient	2	2	2	2	2	2	2	2	2	2	2	2	2	2				
	Distance	50	Distance	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-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				
Facade Noise Levels dB(A)		82.1	82.7	83.3	83.8	83.7	83.3	83.5	84.5	84.2	83.7	82.9	82.9	82.1	81.4	80.4	79.4	82.9			
HKPSG Exceedances		12.1	12.7	13.3	13.6	13.7	13.3	13.5	14.5	14.2	13.7	12.9	12.9	12.1	11.4	10.4	9.4				
		16	= number of hours exceeded 70 dB(A)																		
5016	LV	872	978	792	682	653	668	517	638	704	671	883	886	810	627	634	594	893	830	688	
	HV	1,596	1,723	2,306	2,721	2,503	1,892	2,468	2,664	2,611	2,567	1,990	2,108	1,549	1,116	805	554	1,707	2,002	1,975	
	SPD	71.3	71.3	71.3	70.0	70.0	70.0	70.0	70.0	68.8	68.8	68.8	68.8	68.8	70.0	70.0	70.0	71	69	70	
	total	2467	2700	3097	3403	3155	2560	2985	3302	3316	3238	2873	2994	2359	1743	1439	1148				
	% HV	65	64	74	80	79	74	83	81	79	79	69	70	66	64	56	48				
	BNL	76	77	77	78	77	76	77	77	77	77	77	77	76	75	74	73				
	% HV	7	7	8	8	8	7	8	8	8	8	7	7	7	7	6	6				
	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)		83.5	83.9	85.0	85.6	85.3	84.1	85.2	85.5	85.5	85.3	84.3	84.5	83.3	81.9	80.6	79.1	84.2			
HKPSG Exceedances		13.5	13.9	15.0	15.6	15.3	14.1	15.2	15.5	15.5	15.3	14.3	14.5	13.3	11.9	10.6	9.1				
		16	= number of hours exceeded 70 dB(A)																		
5018	LV	1,627	1,674	1,287	905	751	769	815	780	804	952	1,158	1,518	1,140	964	815	689	1,495	1,182	957	
	HV	1,114	1,017	1,169	1,392	1,294	1,131	1,152	1,277	1,285	1,255	1,022	1,037	738	532	384	278	989	1,007	1,005	
	SPD	26.5	26.5	26.5	27.0	27.0	27.0	27.0	27.0	27.0	25.5	25.5	25.5	25.5	27.0	27.0	27.0	27	26	27	
	total	2741	2690	2455	2297	2045	1900	1967	2058	2069	2207	2180	2556	1876	1496	1199	966				
	% HV	41	38	48	61	63	60	59	62	61	57	47	41	39	36	32	29				
	BNL	77	76	76	76	75	75	75	75	75	76	76	76	76	75	74	73				
	% HV	4	4	5	6	6	6	6	6	6	6	5	4	4	4	3	3				
	Gradient	6	Gradient	2	2	2	2	2	2	2	2	2	2	2	2	2	2				
	Distance	6	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)		84.4	84.0	84.5	85.1	84.8	84.2	84.3	84.7	84.7	84.9	84.0	84.2	82.7	81.2	79.8	78.5	83.8			
HKPSG Exceedances		14.4	14.0	14.5	15.1	14.8	14.2	14.3	14.7	14.7	14.9	14.0	14.2	12.7	11.2	9.8	8.5				
		16	= number of hours exceeded 70 dB(A)																		
5019	LV	1,412	1,466	1,457	1,274	1,084	1,288	1,342	1,088	1,307	1,529	1,441	1,640	1,727	1,481	1,270	1,089	1,404	1,436	1,354	
	HV	1,474	1,607	2,068	2,364	2,512	2,209	2,478	2,388	2,233	2,350	2,100	1,943	1,274	1,133	1,008	897	1,556	2,000	1,905	
	SPD	47.5	47.5	47.5	44.0	44.0	44.0	44.0	44.0	44.0	42.5	42.5	42.5	42.5	44.0	44.0	44.0	48	43	44	
	total	2887	3073	3523	3638	3596	3497	3820	3476	3540	3879	3541	3583	3000	2614	2278	1985				
	% HV	51	52	59	65	70	63	65	69	63	61	59	54	42	43	44	45				
	BNL	77	77	78	78	78	78	78	78	78	78	78	78	77	76	76	75				
	% 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	5	Distance	2	2	2	2	2	2	2	2	2	2	2	2	2	2				
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5				
Facade Noise Levels dB(A)		84.8	85.1	86.1	86.6	86.8	86.3	86.8	86.6	86.3	86.5	86.1	85.8	84.1	83.6	83.1	82.6	85.6			
HKPSG Exceedances		14.8	15.1	16.1	16.6	16.8	16.3	16.8	16.8	16.3	16.5	16.1	15.8	14.1	13.6	13.1	12.6				
		16	= number of hours exceeded 70 dB(A)																		
5025	LV	2,710	2,759	1,846	1,579	1,411	1,554	1,399	1,363	1,427	1,882	2,437	3,410	2,803	2,234	1,782	1,420	2,449	2,532	1,864	
	HV	1,868	2,361	3,005	3,268	3,406	2,817	3,038	3,823	3,781	3,607	2,945	2,630	2,029	1,423	999	701	2,338	2,820	2,598	
	SPD	75.0	75.0	75.0	75.5	75.5	75.5	75.5	75.5	75.5	72.5	72.5	72.5	72.5	75.5	75.5	75.5	75	73	76	
	total	4578	5120	4850	4848	4818	4371	4438	4988	5209	5489	5383	6040	4831	3658	2780	2121				
	% HV	41	46	62	67	71	64	68	73	73	66	55	44	42	39	36	33				
	BNL	79	79	79	79	79	79	79	79	79	80	80	80	79	78	77	75				
	% HV	6	6	7	7	8	7	7	8	8	7	7	6	6	6	5	5				
	Gradient	6	Gradient	2	2	2	2	2	2	2	2	2	2	2	2	2	2				
	Distance	50	Distance	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-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				
Facade Noise Levels dB(A)		81.3	82.2	83.0	83.3	83.4	82.7	83.0	83.7	83.9	83.6	82.8	82.6	81.5	80.2	78.8	77.4	82.4			
HKPSG Exceedances		11.3	12.2	13.0	13.3	13.4	12.7	13.0	13.7	13.9	13.6	12.8	12.6	11.5	10.2	8.8	7.4				
		16	= number of hours exceeded 70 dB(A)																		
5204	LV	2,930	3,143	2,125	1,735	1,721	1,706	1,721	1,713	1,879	1,978	2,368	2,989	2,505	1,985	1,542	1,209	2,855	2,319	1,926	
	HV	1,516	1,663	1,954	2,955	2,837	2,286	2,255	2,351	2,244	2,142	2,202	1,917	1,722	1,359	1,073	847	1,615	2,084	1,988	
	SPD	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	80.0	80.0	80.0	80.0	81.0	81.0	81.0	81	80	81	
	total	4448	4805	4080	4690	4558	3992	3976	4063	412											

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2006CTS3(815100)MAIN MODEL RUN-V106 SCII Full High 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	593	752	548	334	279	268	274	277	305	320	454	587	686	518	391	295	670	475	390
	HV	880	797	953	953	966	838	940	1,015	1,075	976	884	880	844	545	353	228	815	873	814
	SPD	31.5	31.5	31.5	31.0	31.0	31.0	31.0	31.0	31.0	32.0	32.0	32.0	32.0	31.0	31.0	31.0	32	32	31
	total	1473	1549	1501	1286	1245	1105	1214	1294	1380	1297	1338	1467	1530	1063	744	523			
	% HV	60	51	84	74	78	76	77	79	78	75	66	60	55	51	47	44			
	BNL	74	74	74	73	73	73	73	73	74	73	73	74	74	72	71	69			
	% HV	5	5	6	6	7	6	7	7	7	6	6	5	5	5	4				
	Gradient	3	Gradient	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
	Distance	8	Distance	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
5233	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr		
	Facade Noise Levels dB(A)	81.9	81.6	82.3	82.2	82.3	81.7	82.2	82.5	82.7	82.3	81.9	81.9	81.8	79.9	78.1	75.2	81.8		
	HKPSG Exceedances	11.9	11.6	12.3	12.2	12.3	11.7	12.2	12.5	12.7	12.3	11.9	11.9	11.8	9.9	8.1	6.2			
		16	= number of hours exceeded 70 dB(A)																	
	LV	845	847	741	682	653	668	518	639	705	655	784	839	811	627	635	595	773	737	688
	HV	180	190	258	309	284	215	280	302	296	285	204	229	176	127	91	63	188	205	224
	SPD	29.0	29.0	29.0	30.0	30.0	30.0	30.0	30.0	30.0	29.5	29.5	29.5	29.5	30.0	30.0	30.0	29	30	30
	total	1025	1037	1000	991	937	883	797	941	1001	940	987	1068	986	754	726	658			
	% HV	18	18	26	31	30	24	35	32	30	30	21	21	18	17	13	10			
	BNL	72	72	72	72	72	72	71	72	72	72	72	72	72	71	71	70			
5236	% HV	1	1	2	3	3	2	4	3	3	3	2	2	1	1	0	-1			
	Gradient	0	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance	8	Distance	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr		
	Facade Noise Levels dB(A)	75.1	75.3	76.3	76.9	76.6	75.5	76.4	76.8	76.8	76.6	75.5	75.9	75.0	73.6	72.6	71.4	75.6		
	HKPSG Exceedances	5.1	5.3	6.3	6.9	6.6	5.5	6.4	6.8	6.8	6.8	5.5	5.9	5.0	3.6	2.6	1.4			
		16	= number of hours exceeded 70 dB(A)																	
	LV	368	386	327	293	281	288	223	275	303	280	325	355	349	270	273	256	353	306	296
	HV	165	189	242	277	255	193	251	271	266	266	221	224	158	114	82	56	187	223	201
5252	SPD	30.8	30.8	30.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	31	30	30
	total	533	575	570	570	536	480	474	546	569	545	547	579	506	383	355	312			
	% HV	31	33	43	49	48	40	53	50	47	49	40	39	31	30	23	18			
	BNL	69	70	70	70	69	69	69	70	70	70	70	70	69	68	68	67			
	% HV	3	3	4	5	5	4	5	5	5	5	4	4	3	3	2	1			
	Gradient	0	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance	8	Distance	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr		
	Facade Noise Levels dB(A)	74.2	74.7	75.6	76.2	75.8	74.7	75.7	76.1	76.0	76.0	75.3	75.4	74.0	72.6	71.4	70.0	74.9		
5255	HKPSG Exceedances	4.2	4.7	5.6	6.2	5.8	4.7	5.7	6.1	6.0	6.0	5.3	5.4	4.0	2.6	1.4	0.0			
		15	= number of hours exceeded 70 dB(A)																	
	LV	1,575	2,066	1,758	1,312	1,116	1,327	1,382	1,120	1,346	1,655	1,834	1,870	1,778	1,525	1,308	1,121	1,980	1,828	1,395
	HV	1,305	1,592	1,888	2,036	2,164	1,903	2,134	2,057	1,924	2,003	1,719	1,635	1,097	976	868	772	1,541	1,637	1,641
	SPD	55.8	55.8	55.8	57.5	57.5	57.5	57.5	57.5	57.5	55.8	55.8	55.8	55.8	57.5	57.5	57.5	56	56	58
	total	2880	3658	3646	3348	3280	3230	3517	3177	3270	3657	3553	3505	2876	2501	2176	1894			
	% HV	45	44	52	61	68	59	61	65	59	55	48	47	38	39	40	41			
	BNL	77	78	78	77	77	77	78	77	77	78	78	78	77	76	76	75			
	% HV	5	5	5	6	6	6	6	6	6	6	5	5	4	4	5	5			
	Gradient	9	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
5258	Distance	25	Distance	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr		
	Facade Noise Levels dB(A)	76.8	77.8	77.3	77.3	77.0	76.5	77.1	77.3	77.2	77.1	77.0	77.1	76.5	75.5	74.5	73.6	76.7		
	HKPSG Exceedances	6.6	7.8	7.3	7.3	7.0	6.5	7.1	7.3	7.2	7.1	7.0	7.1	6.5	5.5	4.5	3.6			
		16	= number of hours exceeded 70 dB(A)																	
	LV	838	560	749	745	478	451	320	280	423	388	447	617	860	634	533	501	507	465	570
	HV	623	701	769	742	569	412	560	598	586	552	549	815	845	451	462	490	636	585	591
	SPD	31.8	31.8	31.8	30.0	30.0	30.0	30.0	30.0	30.0	32.3	32.3	32.3	32.3	30.0	30.0	30.0	32	32	30
	total	1462	1260	1518	1487	1047	862	879	878	1009	940	996	1432	1504	1085	996	992			
	% HV	43	56	51	50	54	48	64	68	58	59	55	57	43	42	46	49			
	BNL	74	73	74	74	72	72	72	72	72	72	72	74	74	73	72	72			
	% HV	4	5	5	5	5	5	6	6	5	5	5	5	4	4	5	5			
	Gradient	0	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance	8	Distance	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr		
	Facade Noise Levels dB(A)	79.7	80.1	80.5	80.5	79.3	77.9	79.1	79.4	79.4	79.0	79.0	80.7	79.8	78.4	78.4	78.7	79.4		
	HKPSG Exceedances	9.7	10.1	10.5	10.5	9.3	7.9	9.1	9.4	9.4	9.0	9.0	10.7	9.8	8.4	8.4	8.7			
		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-V106 SCH Full High Budget Toll with New Bus

Str.		Hour Start / 2-way Hourly Traffic Volume (veh.) or Speed (km/hr)																						Model Output		
		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	AM	PM	OP						
5269	LV	2,435	2,734	1,795	1,418	1,406	1,394	1,406	1,400	1,535	1,539	1,959	2,456	2,048	1,606	1,260	988	2,484	1,918	1,574						
	HV	1,394	1,560	1,808	2,699	2,591	2,089	2,060	2,147	2,049	1,954	2,001	1,747	1,573	1,242	980	773	1,515	1,893	1,816						
	SPD	79.5	79.5	79.5	80.5	80.5	80.5	80.5	80.5	80.5	78.5	78.5	78.5	78.5	80.5	80.5	80.5	80	79	81						
	total	3829	4294	3601	4117	3998	3482	3466	3547	3585	3493	3959	4203	3621	2848	2240	1761									
	% HV	36	36	50	68	65	60	59	61	57	56	51	42	43	44	44	44									
	BNL	78	79	78	78	78	78	78	78	78	78	78	78	78	77	76	75									
	% HV	6	6	7	8	8	7	7	7	7	7	7	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									
	Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5									
Facade Noise Levels dB(A)		81.1	81.6	81.9	83.4	83.2	82.4	82.3	82.5	82.4	82.0	82.2	81.9	81.3	80.4	79.4	78.4									
HKPSG Exceedances		11.1	11.6	11.9	13.4	13.2	12.4	12.3	12.5	12.3	12.0	12.2	11.9	11.3	10.4	9.4	8.4									
		16 = number of hours exceeded 70 dB(A)																								
5270	LV	4,380	4,555	3,144	2,620	2,599	2,576	2,599	2,567	2,838	2,845	3,631	4,545	3,784	2,968	2,328	1,826	4,138	3,555	2,909						
	HV	2,054	2,269	2,651	3,991	3,831	3,088	3,045	3,175	3,030	2,904	3,023	2,610	2,326	1,836	1,449	1,143	2,204	2,860	2,985						
	SPD	80.0	80.0	80.0	81.0	81.0	81.0	81.0	81.0	81.0	78.5	78.5	78.5	78.5	81.0	81.0	81.0	80	79	81						
	total	6434	6824	5795	6611	6430	5664	5645	5761	5868	5749	6653	7154	6110	4804	3777	2970									
	% HV	32	33	46	60	60	55	54	55	52	51	45	36	38	38	38	38									
	BNL	80	81	80	80	80	80	80	80	80	80	80	81	80	79	78	77									
	% HV	5	5	6	7	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									
	Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5									
Facade Noise Levels dB(A)		81.2	81.6	81.9	83.4	83.2	82.4	82.3	82.5	82.4	82.0	82.3	82.0	81.4	80.5	79.5	78.5									
HKPSG Exceedances		11.2	11.6	11.9	13.4	13.2	12.4	12.3	12.5	12.4	12.0	12.3	12.0	11.4	10.5	9.5	8.5									
		16 = number of hours exceeded 70 dB(A)																								
5279	LV	4,629	3,608	2,967	2,671	2,248	2,401	2,144	2,543	2,537	2,516	3,267	4,509	4,805	4,226	3,879	3,560	3,134	3,308	3,283						
	HV	2,295	1,455	1,786	2,378	2,214	1,901	1,784	1,565	1,878	1,822	1,842	1,661	1,484	1,148	889	688	1,388	1,749	1,704						
	SPD	48.5	48.5	48.5	53.5	53.5	53.5	53.5	53.5	53.5	50.5	50.5	50.5	50.5	53.5	53.5	53.5	49	51	54						
	total	6924	5064	4753	5048	4461	4302	3929	4108	4415	4338	5110	6170	6089	5375	4767	4247									
	% HV	33	29	38	47	50	44	45	38	43	42	36	27	24	21	19	16									
	BNL	81	79	79	79	79	79	78	78	79	79	79	80	80	80	79	78									
	% HV	3	3	4	5	5	5	5	4	5	4	4	3	3	2	2	2									
	Gradient	0	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									
	Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5									
Facade Noise Levels dB(A)		80.9	79.1	79.7	81.0	80.6	80.0	79.8	79.3	80.0	79.8	79.9	79.8	79.4	78.7	77.8	76.9									
HKPSG Exceedances		10.9	9.1	9.7	11.0	10.6	10.0	9.8	9.3	10.0	9.8	9.9	9.8	9.4	8.7	7.6	6.9									
		16 = number of hours exceeded 70 dB(A)																								
5404	LV	2,817	2,831	1,910	1,648	1,473	1,821	1,480	1,422	1,488	1,926	2,321	3,414	2,924	2,332	1,859	1,482	2,513	2,411	1,945						
	HV	1,820	2,255	2,910	3,201	3,335	2,758	2,975	3,547	3,703	3,472	2,662	2,485	1,985	1,394	978	686	2,233	2,549	2,544						
	SPD	39.5	39.5	39.5	40.0	40.0	40.0	40.0	40.0	40.0	34.5	34.5	34.5	34.5	40.0	40.0	40.0	40	35	40						
	total	4637	5086	4821	4848	4808	4380	4435	4970	5192	5398	4983	5899	4911	3725	2837	2168									
	% HV	39	44	60	66	69	63	67	71	71	64	53	42	40	37	34	32									
	BNL	79	79	79	79	79	79	79	79	79	80	79	80	79	78	77	76									
	% HV	4	4	5	6	6	6	6	6	6	5	4	4	4	4	3										

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2006CTS3(815100)MAIN MODEL RUN-V106 SCII Full High Budget Toll with New Bus

2006CTS3(815100)MAIN MODEL RUN-V106 SCII Full High 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				
5407	LV	730	1,146	831	580	460	471	440	525	534	598	698	778	681	591	513	446	1,073	689	555	
	HV	363	399	321	616	586	608	560	637	629	591	469	393	297	227	174	133	404	448	457	
	SPD	32.0	32.0	32.0	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	32	36	38	
	total	1093	1545	1351	1196	1046	1078	1000	1162	1163	1189	1166	1172	978	818	687	579				
	% HV	33	26	39	52	56	56	58	55	54	50	40	34	30	28	25	23				
	BNL	73	74	74	73	72	73	72	73	73	73	73	73	72	71	71	70				
	% HV	3	2	4	5	5	5	5	5	5	5	4	3	3	3	2	2				
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	Distance	15	Distance	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	Average Level over 16 hr		
Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	76.2			
Facade Noise Levels dB(A)		75.4	76.0	76.9	77.4	77.1	77.3	76.9	77.5	77.4	77.2	76.3	75.7	74.6	73.6	72.4	71.4				
HKPSG Exceedances		5.4	6.0	6.9	7.4	7.1	7.3	6.9	7.5	7.4	7.2	6.3	5.7	4.6	3.5	2.4	1.4				
		16	= number of hours exceeded 70 dB(A)																		
5409	LV	1,335	1,432	1,466	1,533	1,288	1,317	1,067	1,204	1,341	1,380	1,329	1,568	1,455	1,041	1,123	1,179	1,292	1,349	1,315	
	HV	1,014	1,481	1,603	1,806	1,818	1,560	1,545	1,706	1,656	1,810	1,440	1,542	1,189	925	788	707	1,384	1,431	1,413	
	SPD	32.0	32.0	32.0	32.5	32.5	32.5	32.5	32.5	34.0	34.0	34.0	34.0	34.0	32.5	32.5	32.5	32	34	33	
	total	2349	2913	3069	3339	3106	2877	2612	2910	2997	3190	2769	3110	2643	1966	1911	1886				
	% HV	43	51	52	54	59	54	59	59	55	57	52	50	45	47	41	37				
	BNL	76	77	77	77	77	77	76	77	77	77	77	77	76	75	75	75				
	% HV	4	5	5	5	5	5	5	5	5	5	5	5	4	5	4	4				
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	Distance	12	Distance	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	Average Level over 16 hr		
Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	81.8			
Facade Noise Levels dB(A)		80.5	82.1	82.4	82.9	82.9	82.2	82.1	82.6	82.5	82.8	81.9	82.2	81.1	80.0	79.4	79.0				
HKPSG Exceedances		10.5	12.1	12.4	12.9	12.9	12.2	12.1	12.6	12.5	12.8	11.9	12.2	11.1	10.0	9.4	9.0				
		16	= number of hours exceeded 70 dB(A)																		
5410	LV	1,661	1,891	1,853	1,882	1,581	1,616	1,310	1,478	1,646	1,672	1,538	1,874	1,786	1,278	1,379	1,447	1,706	1,561	1,614	
	HV	1,152	1,769	1,849	2,022	2,036	1,747	1,729	1,910	1,854	2,051	1,705	1,770	1,331	1,036	882	791	1,554	1,695	1,582	
	SPD	31.5	31.5	31.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	32	31	31	
	total	2813	3661	3703	3904	3616	3363	3040	3388	3500	3723	3244	3645	3116	2314	2261	2238				
	% HV	41	48	50	52	56	52	57	56	53	55	53	49	43	45	39	35				
	BNL	77	78	78	78	78	77	77	77	78	78	77	78	77	76	76	76				
	% 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	12	Distance	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	Average Level over 16 hr		
Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	82.5			
Facade Noise Levels dB(A)		81.1	82.9	83.0	83.5	83.5	82.8	82.7	83.2	83.1	83.5	82.7	82.9	81.7	80.6	80.0	79.6				
HKPSG Exceedances		11.1	12.9	13.0	13.5	13.5	12.8	12.7	13.2	13.1	13.5	12.7	12.9	11.7	10.6	10.0	9.6				
		16	= number of hours exceeded 70 dB(A)																		
5411	LV	1,692	1,864	1,556	1,417	987	1,121	998	980	1,254	1,164	1,342	2,021	1,765	1,179	787	526	1,545	1,361	1,246	
	HV	464	516	744	1,007	887	780	741	805	796	774	699	596	487	303	188	117	494	668	628	
	SPD	39.5	39.5	39.5	42.0	42.0	42.0	42.0	42.0	42.0	40.3	40.3	40.3	40.3	42.0	42.0	42.0	40	40	42	
	total	2156	2380	2300	2424	1854	1901	1739	1785	2050	1938	2042	2617	2252	1481	975	643				
	% HV	22	22	32	42	47	41	43	45	39	40	34	23	22	20	19	18				
	BNL	76	76	76	76	75	75	75	75	75	75	75	76	76	74	72	70				
	% HV	2	2	3	4	4	4	4	4	4	4	3	2	2	2	1	1				
	Gradient	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
	Distance	15	Distance	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	Average Level over 16 hr		
Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	78.7			
Facade Noise Levels dB(A)		77.8	78.3	79.4	80.6	79.9	79.5	79.3	79.8	79.6	79.5	79.1	78.8	78.0	76.1	74.1	72.1				
HKPSG Exceedances		7.8	8.3	9.4	10.6	9.9	9.5	9.3	9.6	9.6	9.5	9.1	8.8	8.0	6.1	4.1	2.1				
		16	= number of hours exceeded 70 dB(A)																		
5418	LV	653	674	452	352	296	317	283	335	335	321	362	552	607	557	512	470	585	566	433	
	HV	356	299	298	347	323	278	261	229	274	274	301	257	217	168	130	100	285	286	249	
	SPD	31.0	31.0	31.0	32.0	32.0	32.0	32.0	32.0	32.0	32.5	32.5	32.5	32.5	32.0	32.0	32.0	31	33	32	
	total	1009	972	750	700	620	594	544	564	609	594	663	809	824	725	641	570				
	% HV	35	31	40	50	52	47	48	41	45	46	45	32	26	23	20	18				
	BNL	72	72	71	71	70	70	70	70	70	70	70	71	71	71	70	70				
	% HV	3	3	4	5	5	4	5	4	4	4	3	2	2	2	1	1				
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	Distance	50	Distance	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-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	Average Level over 16 hr		
Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	69.3			
Facade Noise Levels dB(A)		70.7	70.1	69.9	70.4	70.1	69.4	69.2	68.7	69.4	69.4	69.8	69.3	68.7	67.8	66.8	65.8				
HKPSG Exceedances		0.7	0.1	0.1	0.4	0.1	0.6	0.8	1.3	0.6	0.6	0.2	0.7	1.3	2.2	3.2	4.2				
		1	= number of hours exceeded 70 dB(A)																		
5419	LV	2,085	2,793	2,000	1,664	1,612	1,560	1,544	1,686	1,780	1,743	2,108	2,324	2,178	1,963	1,769	1,595	2,606	2,090	1,775	
	HV	1,429	1,369	1,769	1,992	1,942	1,852	1,864	1,924	1,933	1,864	1,643	1,440	1,300	1,067	875	718	1,399	1,591	1,580	
	SPD	21.5	21.5	21.5	22.5	22.5	22.5	22.5	22.5	22.5	21.5	21.5	21.5	21.5	22.5	22.5	22.5	22	22	23	
	total	3514	4162	3769	3656	3555	3412	3408	36												

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Future Year Hourly Profile of Traffic Volume and Speed

2006CTS3(815100)MAIN MODEL RUN-V106 SCII Full High 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				
Stn.		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22			AM	PM	OP				
5421 LV		534	398	320	293	294	283	282	321	292	356	440	546	468	345	255	188			361	441	337				
HV		152	144	186	239	234	204	200	222	253	230	189	197	189	118	74	46			143	187	184				
SPD		47.0	47.0	47.0	47.5	47.5	47.5	47.5	47.5	47.5	46.5	46.5	46.5	46.5	47.5	47.5	47.5			47	47	48				
total		686	542	507	533	528	486	482	543	545	587	630	743	657	463	329	234									
% HV		22	27	37	45	44	42	42	41	46	39	30	27	29	25	22	20									
BNL		71	70	69	69	69	69	69	70	70	70	71	70	69	67	66										
% HV		2	3	4	4	4	4	4	4	5	4	3	3	3	3	2	2									
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									
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)		74.0	73.5	74.3	75.2	75.2	74.6	74.5	75.0	75.5	75.1	74.5	74.9	74.6	72.7	70.8	69.0									
HKPSG Exceedances		4.0	3.5	4.3	5.2	5.2	4.6	4.5	5.0	5.5	5.1	4.5	4.9	4.6	2.7	0.8	-1.0									
		15	= number of hours exceeded 70 dB(A)																				846	786	722	
5463 LV		656	896	873	764	697	622	742	870	775	868	781	845	870	692	549	482			846	786	722				
HV		686	648	704	961	952	870	758	893	1,011	875	808	841	860	364	204	214			615	777	713				
SPD		42.0	42.0	42.0	41.0	41.0	41.0	41.0	41.0	41.0	37.0	37.0	37.0	37.0	41.0	41.0	41.0			42	37	41				
total		1342	1544	1577	1725	1849	1492	1500	1762	1766	1743	1588	1686	1430	956	753	696									
% HV		51	42	45	56	58	51	51	57	50	51	50	39	38	27	31										
BNL		73	74	74	75	74	74	74	75	75	75	74	74	74	72	71	71									
% HV		5	4	4	5	5	5	5	5	5	5	5	5	4	4	3	3									
Gradient		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
Distance		-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2									
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		-0.5	-0.5	-0.5	-0.5	-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)		77.8	77.6	78.0	79.2	79.1	78.7	78.2	78.9	79.4	78.8	78.4	78.6	77.0	75.2	73.0	73.1									
HKPSG Exceedances		7.8	7.6	8.0	9.2	9.1	8.7	8.2	8.9	9.4	8.8	8.4	8.6	7.0	5.2	3.0	3.1									
		16	= number of hours exceeded 70 dB(A)																				520	448	435	
5467 LV		639	598	430	354	298	318	284	337	336	335	442	603	611	560	514	472			520	448	435				
HV		257	179	211	274	255	219	206	180	216	212	223	196	171	132	102	79			171	212	196				
SPD		47.8	47.8	47.8	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2			48	49	49				
total		907	778	641	628	553	537	490	518	553	548	666	799	782	693	617	551									
% HV		29	23	33	44	46	41	42	35	39	34	25	22	19	17	14										
BNL		72	71	70	70	70	69	69	69	70	70	70	71	71	71	70	70									
% HV		3	2	3	4	5	4	4	4	4	4	4	3	2	2	1	1									
Gradient		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2									
Distance		-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6									
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		-0.5	-0.5	-0.5	-0.5	-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)		71.5	70.2	70.5	71.4	71.1	70.5	70.2	69.8	70.5	70.4	70.8	70.6	70.1	69.2	68.3	67.4									
HKPSG Exceedances		1.5	0.2	0.5	1.4	1.1	0.5	0.2	-0.2	0.5	0.4	0.8	0.6	0.1	-0.8	-1.7	-2.5									
		9	= number of hours exceeded 70 dB(A)																				1,831	1,983	1,776	
5480 LV		1,850	1,911	1,906	1,671	1,421	1,690	1,761	1,427	1,714	2,028	1,990	2,203	2,265	1,942	1,665	1,428			1,831	1,983	1,776				
HV		1,828	2,045	2,579	2,912	3,095	2,721	3,053	2,942	2,751	2,887	2,551	2,378	1,569	1,396	1,242	1,105			1,980	2,429	2,347				
SPD		54.0	54.0	54.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	51.0	51.0	51.0	51.0	57.0	57.0			54	51	57				
total		3678	3956	4486	4583	4517	4411	4813	4369	4466	4915	4541	4581	3834	3338	2907	2533									
% HV		50	52	58	64	69	62	63	67	62	59	56	52	41	42	43	44									
BNL		78	78	79	79	79	79	79	79	79	79	79	79	78	77	77	76									
% 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		-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4									
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																										

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Future Year Hourly Profile of Traffic Volume and Speed

2006CTS3(815100)MAIN MODEL RUN-V106 SCII Full High 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	Model Output		
																		AM	PM	QP
5606	LV	3,013	2,090	1,772	1,681	1,584	1,819	1,616	1,839	1,671	1,964	2,086	2,877	2,679	1,979	1,462	1,079	1,895	2,089	1,931
	HV	1,013	992	1,253	1,582	1,546	1,348	1,324	1,471	1,676	1,524	1,259	1,306	1,251	780	486	303	985	1,245	1,217
	SPD	81.0	81.0	81.0	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	81	80	80
	total	4026	3082	3025	3263	3230	2967	2939	3310	3347	3487	3345	4183	3930	2759	1948	1383			
	% HV	25	32	41	48	48	45	45	44	50	44	38	31	32	28	25	22			
	BNL	78	77	77	77	77	77	77	77	77	78	77	78	78	77	75	74			
	% HV	5	5	6	7	7	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	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60			
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
5607	LV	4,116	4,450	3,660	3,561	3,451	3,339	3,304	3,609	3,809	3,625	3,976	4,687	4,662	4,202	3,787	3,413	4,153	3,942	3,799
	HV	1,815	1,763	2,257	2,521	2,459	2,344	2,360	2,435	2,447	2,376	2,139	1,848	1,646	1,350	1,108	909	1,801	2,071	2,000
	SPD	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	20.0	20.0	20.0	20.0	22.0	22.0	22.0	22	20	22
	total	5931	6213	5917	6083	5910	5683	5664	6044	6256	6001	6115	6535	6308	5552	4895	4322			
	% HV	31	28	38	41	42	41	42	40	39	40	35	28	26	24	23	21			
	BNL	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	79			
	% HV	4	4	5	5	5	5	5	5	5	5	4	4	4	3	3	2			
	Gradient	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9			
	Distance	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25			
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
5609	LV	2,819	3,298	3,170	3,174	2,866	2,726	2,210	2,493	2,776	2,869	2,805	3,276	3,012	2,155	2,325	2,440	2,975	2,847	2,722
	HV	1,811	2,281	2,738	3,353	3,375	2,996	2,867	3,167	3,075	3,351	2,843	2,848	2,206	1,718	1,462	1,312	2,114	2,627	2,623
	SPD	34.0	34.0	34.0	32.5	32.5	32.5	32.5	32.5	32.5	32.0	32.0	32.0	32.0	32.0	32.5	32.5	34	32	33
	total	4830	5559	5908	6527	6041	5622	5075	5660	5851	6221	5449	6124	5218	3872	3787	3753			
	% HV	39	41	46	51	56	52	56	56	53	54	49	47	42	44	39	35			
	BNL	79	80	80	80	80	80	79	80	80	80	80	80	80	79	78	78			
	% HV	4	4	4	5	5	5	5	5	5	5	4	4	4	4	4	3			
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12			
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
5610	LV	1,661	1,891	1,853	1,882	1,581	1,816	1,310	1,478	1,646	1,672	1,538	1,874	1,786	1,278	1,379	1,447	1,706	1,561	1,614
	HV	1,152	1,769	1,849	2,022	2,036	1,747	1,729	1,910	1,854	2,051	1,705	1,770	1,331	1,036	862	791	1,654	1,695	1,582
	SPD	31.5	31.5	31.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	32	31	31
	total	2813	3661	3703	3904	3616	3363	3040	3388	3500	3723	3244	3645	3116	2314	2261	2238			
	% HV	41	48	50	52	56	52	57	56	53	55	53	49	43	45	39	35			
	BNL	77	78	78	78	78	77	77	77	78	78	77	78	77	76	76	76			
	% HV	4	5	5	5	5	5	5	5	5	5	5	4	4	4	4	4			
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12			
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
5612	LV	1,850	1,911	1,908	1,671	1,421	1,690	1,761	1,427	1,714	2,028	1,990	2,203	2,265	1,942	1,665	1,428	1,831	1,983	1,776
	HV	1,828	2,045	2,579	2,912	3,095	2,721	3,053	2,942	2,751	2,887	2,551	2,378	1,569	1,396	1,242	1,105	1,980	2,429	2,347
	SPD	54.0	54.0	54.0	57.0	57.0	57.0	57.0	57.0	57.0	51.0	51.0	51.0	51.0	57.0	57.0	57.0	54	51	57
	total	3678	3956	4486	4583	4517	4411	4813	4369	4466	4915	4541	4581	3834	3338	2907	2533			
	% HV	50	52	58	64	69	62	63	67	62	59	56	52	41	42	43	44			
	BNL	78	78	79	79	79	79	79	79	79	79	79	79	78	77	77	76			
	% HV	5	5	6	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	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12			
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
5620	LV	1,625	2,074	1,647	1,352	924	966	1,178	1,458	1,331	1,319	1,464	1,570	1,230	1,104	1,083	935	1,758	1,419	1,256
	HV	1,369	1,148	1,132	1,280	1,629	1,386	1,134	1,328	1,978	1,507	1,299	1,649	1,192	931	814	873	1,077	1,294	1,320
	SPD	25.5	25.5	25.5	26.0	26.0	26.0	26.0	26.0	26.0	25.5	25.5	25.5	25.5	26.0	26.0	26.0	26	26	26
	total	2994	3222	2779	2632	2553	2353	2312	2786	3308	2826	2763	3220	2423	2034	1897	1807			
	% HV	45	36	41	49	64	59	49	48	60	53	47	51	49	46	43	48			
	BNL	77	77	77	76	76	76	76	77	77	77	77	76	75	75	75	75			
	% HV	5	4	4	5	6	6	5	5	6	5	5	5	5	5	5	5			
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12			
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2006CTS3(815100)MAIN MODEL RUN-V106 SCII Full High 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
5810	LV	1,739	2,056	1,961	1,952	1,639	1,676	1,359	1,533	1,707	1,754	1,680	1,990	1,852	1,325	1,430	1,501	1,855	1,705	1,674
	HV	1,231	1,680	1,908	2,231	2,246	1,927	1,908	2,108	2,046	2,245	1,816	1,922	1,458	1,143	973	873	1,571	1,805	1,746
	SPD	36.3	36.3	36.3	35.0	35.0	35.0	35.0	35.0	35.0	35.5	35.5	35.5	35.5	35.0	35.0	35.0	36	36	35
	total	2969	3736	3868	4183	3885	3604	3267	3641	3753	3999	3496	3912	3320	2468	2403	2374			
	% HV	41	45	49	53	58	53	58	58	55	56	52	49	44	46	40	37			
	BNL	77	78	78	78	78	78	77	78	78	78	78	78	77	76	76	76			
	% HV	4	4	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	12	Distance	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
5816	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr		
	Facade Noise Levels dB(A)	81.3	82.6	83.1	83.7	83.7	83.1	83.0	83.4	83.3	83.7	82.8	83.1	82.0	80.9	80.3	79.9	82.7		
	HKPSG Exceedances	11.3	12.6	13.1	13.7	13.7	13.1	13.0	13.4	13.3	13.7	12.8	13.1	12.0	10.9	10.3	9.9			
	16	= number of hours exceeded 70 dB(A)																		
	LV	1,383	1,920	1,345	1,086	1,052	1,018	1,007	1,100	1,161	1,118	1,279	1,465	1,421	1,281	1,154	1,040	1,792	1,268	1,158
	HV	821	902	1,060	1,101	1,073	1,023	1,030	1,063	1,068	1,058	1,011	840	718	589	484	397	921	979	873
	SPD	22.0	22.0	22.0	25.0	25.0	25.0	25.0	25.0	25.0	23.0	23.0	23.0	23.0	25.0	25.0	25.0	22	23	25
	total	2204	2822	2405	2186	2125	2041	2037	2163	2229	2176	2290	2304	2140	1870	1638	1437			
	% HV	37	32	44	50	51	50	51	49	48	49	44	36	34	32	30	28			
	BNL	76	77	76	76	75	75	75	76	76	76	76	76	76	75	74	74			
5818	% HV	5	4	5	5	5	5	5	5	5	5	5	4	4	4	3	3			
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance	12	Distance	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr		
	Facade Noise Levels dB(A)	80.6	81.1	81.6	81.3	81.2	81.0	81.0	81.2	81.2	81.4	81.3	80.5	79.9	78.8	78.0	77.2	80.6		
	HKPSG Exceedances	10.6	11.1	11.6	11.3	11.2	11.0	11.0	11.2	11.2	11.4	11.3	10.5	9.9	8.8	8.0	7.2			
	16	= number of hours exceeded 70 dB(A)																		
	LV	611	891	606	469	454	440	435	475	501	502	648	684	614	553	498	449	831	642	500
	HV	442	520	584	579	564	538	542	559	562	570	584	463	378	310	254	209	531	565	459
5823	SPD	26.5	26.5	26.5	29.0	29.0	29.0	29.0	29.0	27.0	27.0	27.0	27.0	27.0	29.0	29.0	29.0	27	27	29
	total	1052	1410	1189	1047	1019	977	976	1034	1063	1072	1231	1147	991	863	753	658			
	% HV	42	37	49	55	55	55	55	54	53	53	47	40	38	36	34	32			
	BNL	72	74	73	72	72	72	72	72	72	73	73	73	72	72	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	12	Distance	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr		
	Facade Noise Levels dB(A)	77.2	78.0	78.4	78.1	78.0	77.8	77.8	77.9	78.0	78.2	78.4	77.4	76.6	75.6	74.8	74.0	77.4		
5834	HKPSG Exceedances	7.2	8.0	8.4	8.1	8.0	7.8	7.8	7.9	8.0	8.2	8.4	7.4	6.6	5.6	4.8	4.0			
	16	= number of hours exceeded 70 dB(A)																		
	LV	2,090	2,309	1,922	1,749	1,218	1,384	1,232	1,210	1,548	1,431	1,628	2,477	2,178	1,455	972	649	1,914	1,650	1,537
	HV	615	681	886	1,337	1,152	1,038	984	1,068	1,057	1,023	910	783	647	402	250	155	652	669	834
	SPD	42.0	42.0	42.0	42.5	42.5	42.5	42.5	42.5	42.5	42.0	42.0	42.0	42.0	42.5	42.5	42.5	42	42	43
	total	2705	2990	2909	3086	2370	2419	2216	2278	2605	2454	2538	3260	2824	1857	1221	804			
	% HV	23	23	34	43	49	43	44	47	41	42	36	24	23	22	20	19			
	BNL	77	77	77	77	76	76	76	76	76	76	76	77	77	75	73	71			
	% HV	2	2	3	4	5	4	4	4	4	4	4	2	2	2	2	2			
	Gradient	9	Gradient	3	3	3	3	3	3	3	3	3	3	3	3	3	3			
5852	Distance	15	Distance	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr		
	Facade Noise Levels dB(A)	80.8	81.3	82.5	83.6	82.9	82.5	82.3	82.6	82.6	82.5	82.1	81.8	81.0	79.1	77.1	75.1	81.7		
	HKPSG Exceedances	10.8	11.3	12.5	13.6	12.9	12.5	12.3	12.6	12.5	12.1	11.8	11.0	9.1	7.1	5.1				
	16	= number of hours exceeded 70 dB(A)																		
	LV	408	380	344	250	209	199	205	208	228	232	295	410	514	388	293	221	339	308	292
	HV	580	474	609	645	654	568	636	688	727	642	524	561	571	389	239	154	485	518	551
	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	17
	total	988	854	953	895	863	787	841	896	956	874	818	970	1085	757	531	375			
	% HV	59	55	64	72	76	74	76	77	76	73	64	58	53	49	45	41			
	BNL	72	72	72	72	72	71	71	72	72	72	71	72	73	71	69	68			
	% HV	7	7	7	8	8	8	8	8	8	8	7	7	6	6	5	5			
	Gradient	3	Gradient	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
	Distance	15	Distance	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr		
	Facade Noise Levels dB(A)	79.5	78.5	79.7	79.9	80.0	79.3	79.8	80.2	80.4	79.9	79.0	79.3	77.5	75.7	73.9	79.2			
	HKPSG Exceedances	9.5	8.6	9.7	9.9	10.0	9.3	9.8	10.2	10.4	9.9	9.0	9.3	9.5	7.8	5.7	3.9			
	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-V106 SCII Full High 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 (veh.) or Speed (km/hr)																Model Output		
		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	AM	PM	OP
5855	Stn.																			
	LV	2,426	1,889	1,504	1,705	1,453	1,437	1,599	1,628	1,745	2,015	2,028	2,853	2,827	2,257	1,801	1,438	1,565	1,978	1,931
	HV	1,335	1,616	1,908	1,958	2,041	1,858	1,911	2,434	2,290	2,067	1,683	1,536	1,331	1,056	838	684	1,555	1,552	1,681
	SPD	44.0	44.0	44.0	43.0	43.0	43.0	43.0	43.0	43.0	42.0	42.0	42.0	42.0	43.0	43.0	43.0	44	42	43
	total	3761	3505	3512	3663	3494	3293	3510	4062	4035	4082	3710	4289	4158	3313	2639	2102			
	% HV	35	45	54	53	58	56	54	60	57	51	45	38	32	32	32	32			
	BNL	78	78	78	78	78	77	78	78	78	78	78	78	78	77	76	75			
	% HV	4	4	5	5	5	5	5	5	5	5	4	4	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			
6001	Stn.																			
	LV	3,513	2,838	2,345	2,449	2,088	2,064	2,298	2,340	2,508	2,936	3,137	3,929	4,062	3,243	2,588	2,066	2,500	3,059	2,774
	HV	1,954	2,480	2,833	2,832	2,951	2,684	2,764	3,519	3,312	2,997	2,485	2,380	1,925	1,527	1,211	961	2,386	2,419	2,431
	SPD	52.5	52.5	52.5	51.5	51.5	51.5	51.5	51.5	51.5	50.0	50.0	50.0	50.0	51.5	51.5	51.5	53	50	52
	total	5467	5318	5178	5281	5039	4749	5062	5859	5820	5933	5601	6309	5987	4770	3800	3027			
	% HV	36	47	55	54	59	57	55	60	57	51	44	38	32	32	32	32			
	BNL	80	79	79	79	79	79	79	80	80	80	80	80	80	79	78	77			
	% HV	4	5	5	5	6	5	5	6	6	5	5	4	3	4	3	3			
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50			
6002	Stn.																			
	LV	2,384	2,178	1,645	1,615	1,377	1,381	1,515	1,543	1,653	1,925	2,012	2,561	2,678	2,138	1,707	1,362	1,919	1,962	1,829
	HV	1,635	2,045	2,360	2,379	2,479	2,255	2,322	2,956	2,782	2,501	2,008	1,971	1,517	1,283	1,018	807	1,967	1,971	2,042
	SPD	45.5	45.5	45.5	46.5	46.5	46.5	46.5	46.5	46.5	45.5	45.5	45.5	45.5	46.5	46.5	46.5	46	46	47
	total	4018	4223	4005	3993	3855	3616	3837	4499	4435	4426	4020	4532	4295	3421	2724	2170			
	% HV	41	48	59	60	64	62	61	66	63	57	50	43	38	38	37	37			
	BNL	78	78	78	78	78	78	78	79	79	79	78	78	79	79	78	77			
	% HV	4	5	5	5	6	6	6	6	6	5	5	4	4	4	4	4			
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50			
6009	Stn.																			
	LV	1,211	1,203	793	613	614	590	589	670	609	735	866	1,109	977	721	533	394	1,091	867	704
	HV	529	621	691	785	767	669	657	730	832	780	714	690	621	387	241	150	617	706	604
	SPD	35.5	35.5	35.5	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	36	37	40
	total	1740	1825	1484	1398	1381	1259	1245	1401	1441	1514	1580	1799	1597	1108	774	544			
	% HV	30	34	47	56	56	53	53	52	58	51	45	38	39	35	31	28			
	BNL	75	75	74	74	74	73	73	74	74	74	74	75	74	73	71	70			
	% HV	3	3	4	5	5	5	5	5	5	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	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12			
6011	Stn.																			
	LV	1,133	1,478	1,078	914	886	857	848	926	978	966	1,201	1,300	1,197	1,078	972	876	1,380	1,191	975
	HV	534	604	697	710	692	660	664	685	689	694	696	560	463	380	312	256	617	874	563
	SPD	25.5	25.5	25.5	27.5	27.5	27.5	27.5	27.5	27.5	26.5	26.5	26.5	26.5	27.5	27.5	27.5	26	27	28
	total	1667	2083	1773	1624	1578	1517	1512	1612	1668	1681	1897	1880	1660	1459	1284	1132			
	% HV	32	29	39	44	44	43	44	43	41	42	37	30	28	26	24	23			
	BNL	74	75	75	74	74	74	74	74	74	74	74	75	74	74	73	73			
	% HV	4	3	4	5	5	4	5	4	4	4	4	3	3	3	2	2			
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12			
6014	Stn.																			
	LV	2,279	2,327	1,469	1,333	1,212	1,152	1,263	1,398	1,517	1,491	1,760	2,186	1,974	1,754	1,559	1,386	1,977	1,769	1,562
	HV	292	436	436	438	409	367	416	436	414	411	376	354	309	231	172	129	420	373	339
	SPD	37.0	37.0	37.0	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	37	37	38
	total	2571	2763	1906	1772	1621	1518	1698	1833	1931	1901	2136	2540	2282	1985	1732	1515			
	% HV	11	16	23	25	25	24	24	24	21	22	18	14	14	12	10	8			
	BNL	78	77	75	75	74	74	75	75	75	75	75	76	76	75	75	74			
	% HV	0	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
	Gradient	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6			
	Distance	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12			

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2006CTS3(815100)MAIN MODEL RUN-V106 SCII Full High Budget Toll with New Bus

Future Year Hourly Profile of Traffic Volume																		Model Output		
2006CTS3(815100)MAIN MODEL RUN-V106 SCII Full High Budget Toll with New Bus																				
		Hour Start / 2-way Hourly Traffic Volume (veh.) or Speed (km/hr)																		
		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	AM	PM	OP
Stn.		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22			
6027	LV	673	684	729	782	657	672	545	614	684	669	524	716	742	531	673	602	617	532	671
	HV	442	700	717	769	775	665	658	727	706	768	604	652	506	394	336	301	654	600	602
	SPD	30.5	30.5	30.5	29.0	29.0	29.0	29.0	29.0	29.0	31.5	31.5	31.5	31.5	29.0	29.0	29.0	31	32	29
	total	1115	1384	1445	1552	1432	1337	1203	1341	1390	1437	1128	1369	1249	925	909	903			
	% HV	40	51	50	50	54	50	55	54	51	53	54	48	41	43	37	33			
	BNL	73	74	74	74	74	73	73	73	74	74	73	74	73	72	72	72			
	% HV	4	5	5	5	5	5	5	5	5	5	5	5	4	4	4	3			
Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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)		78.3	80.2	80.3	80.7	80.7	80.0	79.9	80.4	80.3	80.5	79.4	79.8	78.8	77.8	77.2	76.8			
HKPSG Exceedances		8.3	10.2	10.3	10.7	10.7	10.0	9.9	10.4	10.3	10.5	9.4	9.8	8.8	7.8	7.2	6.8			
		16 = number of hours exceeded 70 dB(A)																		
6028	LV	1,625	1,418	1,541	1,381	887	836	593	520	784	753	1,005	1,255	1,594	1,177	989	929	1,283	1,045	1,057
	HV	1,069	998	1,259	1,319	1,012	731	995	1,062	1,042	982	983	1,454	1,145	801	621	871	906	1,048	1,050
	SPD	28.5	28.5	28.5	26.5	26.5	26.5	26.5	26.5	28.5	28.5	28.5	28.5	28.5	26.5	26.5	26.5	29	29	27
	total	2693	2416	2800	2700	1896	1567	1587	1582	1826	1736	1989	2709	2739	1978	1810	1801			
	% HV	40	41	45	49	53	47	63	67	57	57	49	54	42	41	45	48			
	BNL	77	76	77	77	75	74	74	74	75	75	75	77	77	75	75	75			
	% HV	4	4	5	5	5	5	6	6	6	5	5	5	4	4	5	5			
Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Distance	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5			
Facade Noise Levels dB(A)		81.5	81.2	82.2	82.5	81.3	80.0	81.2	81.5	81.4	81.0	81.1	82.7	81.8	80.4	80.5	80.7			
HKPSG Exceedances		11.5	11.2	12.2	12.5	11.3	10.0	11.2	11.5	11.4	11.0	11.1	12.7	11.8	10.4	10.5	10.7			
		16 = number of hours exceeded 70 dB(A)																		
6030	LV	325	331	287	262	251	256	199	245	271	241	240	294	311	241	244	228	302	226	264
	HV	76	78	108	131	120	91	119	128	126	117	72	90	75	54	39	27	77	72	95
	SPD	36.5	36.5	36.5	37.0	37.0	37.0	37.0	37.0	37.0	37.5	37.5	37.5	37.5	37.0	37.0	37.0	37	38	37
	total	401	409	395	393	371	347	317	373	396	357	312	383	386	294	282	255			
	% HV	19	19	27	33	32	28	37	34	32	33	23	23	19	18	14	10			
	BNL	68	68	68	68	68	68	67	68	68	68	67	68	68	67	67	66			
	% 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	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)		71.2	71.3	72.3	73.0	72.7	71.6	72.5	72.9	72.9	72.5	70.7	71.7	71.1	69.7	68.7	67.5			
HKPSG Exceedances		12	13	23	3.0	2.7	1.8	2.5	2.9	2.9	2.5	0.7	1.7	1.1	-0.3	-1.3	-2.5			
		13 = number of hours exceeded 70 dB(A)																		
6033	LV	1,267	1,202	1,094	1,037	993	1,016	787	971	1,072	1,020	1,337	1,344	1,232	953	965	904	1,097	1,257	1,046
	HV	842	992	1,248	1,406	1,293	977	1,275	1,376	1,349	1,359	1,146	1,146	800	577	418	286	983	1,153	1,020
	SPD	27.0	27.0	27.0	24.0	24.0	24.0	24.0	24.0	24.0	25.0	25.0	25.0	25.0	24.0	24.0	24.0	27	25	24
	total	2109	2194	2342	2443	2286	1994	2062	2347	2421	2379	2483	2490	2032	1530	1381	1190			
	% HV	40	45	53	58	57	49	62	59	56	57	46	46	39	38	30	24			
	BNL	75	76	76	76	76	75	75	76	76	76	76	76	75	74	74	73			
	% HV	4	5	5	6	6	5	6	6	6	6	5	5	4	4	3	3			
Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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)		81.3	82.0	82.9	83.7	83.4	82.2	83.3	83.6	83.6	83.5	82.8	82.8	81.3	80.0	78.7	77.3			
HKPSG Exceedances		11.3	12.0	12.9	13.7	13.4	12.2	13.3	13.6	13.6	13.5	12.8	12.8	11.3	10.0	8.7	7.3			
		16 = number of hours exceeded 70 dB(A)																		
6040	LV	2,464	1,994	1,512	1,326	1,328	1,277	1,274	1,450	1,318	1,551	1,656	2,275	2,113	1,561	1,153	851	1,808	1,658	1,523
	HV	881	1,035	1,152	1,309	1,279	1,115	1,095	1,218	1,387	1,293	1,165	1,139	1,035	645	402	251	1,028	1,152	1,007
	SPD	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	9	11	14
	total	3346	3029	2664	2635	2608	2392	2370	2668	2705	2844	2821	3414	3148	2206	1555	1102			
	% HV	26	34	43	50	49	47	46	46	51	45	41	33	33	29	26	23			
	BNL	77	77	76	76	76	76	76	76	77	77	77	78	77	76	74	73			
	% HV	4	5	6	6	6	6	6	6	6	6	5	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)		82.8	83.4	83.7	84.2	84.1	83.6	83.5	84.0	84.5	84.2									

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2006CTS3(815100)MAIN MODEL RUN-V106 SCII Full High 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	
6057	LV	2,284	1,872	1,407	1,224	1,227	1,179	1,177	1,339	1,217	1,441	1,580	2,130	1,951	1,441	1,065	786	1,897	1,582	1,407	
	HV	761	726	935	1,196	1,169	1,019	1,001	1,112	1,267	1,164	999	1,010	945	590	368	229	721	968	920	
	SPD	41.0	41.0	41.0	40.5	40.5	40.5	40.5	40.5	40.5	39.0	39.0	39.0	39.0	40.5	40.5	40.5				
	total	3045	2598	2341	2420	2395	2198	2178	2452	2484	2605	2579	3140	2897	2031	1432	1015	41	39	41	
	% HV	25	28	40	49	49	46	46	45	51	45	39	32	33	29	26	23				
	BNL	77	76	76	76	76	76	76	76	76	76	76	76	77	77	75	74				
	% HV	2	3	4	5	5	4	4	5	4	4	3	3	3	3	2	2				
	Gradient	3	Gradient	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
	Distance	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)		80.6	80.3	81.1	82.0	81.9	81.3	81.2	81.7	82.2	81.9	81.3	81.5	81.2	79.3	77.4	75.5	80.9			
HKPSG Exceedances		10.8	10.3	11.1	12.0	11.9	11.3	11.2	11.7	12.2	11.9	11.3	11.5	11.2	9.3	7.4	5.5				
	16	= number of hours exceeded 70 dB(A)																			
6059	LV	1,282	1,250	1,115	1,042	998	1,021	791	976	1,077	993	1,154	1,262	1,238	958	970	908	1,141	1,086	1,051	
	HV	967	1,051	1,400	1,646	1,514	1,145	1,493	1,611	1,580	1,518	1,080	1,216	937	675	487	335	1,042	1,087	1,195	
	SPD	39.3	39.3	39.3	38.8	38.8	38.8	38.8	38.8	38.8	40.3	40.3	40.3	40.3	38.8	38.8	38.8				
	total	2248	2301	2515	2688	2512	2166	2283	2587	2657	2511	2234	2478	2175	1633	1457	1244	39	40	39	
	% HV	43	46	56	61	60	53	65	62	59	60	48	49	43	41	33	27				
	BNL	76	76	76	76	76	76	76	76	76	76	76	76	76	76	74	74				
	% HV	4	4	5	5	5	5	6	6	5	5	5	5	4	4	3	2				
	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)		78.2	78.6	79.7	80.3	80.0	78.8	79.9	80.2	80.2	80.0	78.7	79.2	78.1	76.7	75.4	74.0	78.9			
HKPSG Exceedances		8.2	8.6	9.7	10.3	10.0	8.8	9.9	10.2	10.2	10.0	8.7	9.2	8.1	6.7	5.4	4.0				
	16	= number of hours exceeded 70 dB(A)																			
6201	LV	4,881	5,282	4,871	4,464	3,544	3,622	3,385	4,043	4,112	4,532	5,028	5,809	5,238	4,549	3,951	3,431	4,945	4,964	4,272	
	HV	3,078	3,253	4,363	5,269	5,012	5,200	4,788	5,448	5,380	5,031	3,924	3,330	2,543	1,945	1,488	1,138	3,295	3,749	3,909	
	SPD	56.0	56.0	56.0	55.0	55.0	55.0	55.0	55.0	55.0	54.0	54.0	54.0	54.0	55.0	55.0	55.0				
	total	7959	8534	9234	9734	8556	8821	8173	9491	9493	9562	8950	9139	7781	6494	5439	4569	56	54	55	
	% HV	39	38	47	54	59	59	57	57	57	53	44	36	33	30	27	25				
	BNL	81	82	82	82	82	82	81	82	82	82	82	82	82	81	80	80				
	% HV	4	4	5	5	6	6	6	6	6	5	5	4	4	3	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)		85.2	85.5	86.5	87.2	86.9	87.1	86.7	87.3	87.3	87.0	86.0	85.5	84.4	83.4	82.4	81.3	86.9			
HKPSG Exceedances		15.2	15.5	16.5	17.2	16.9	17.1	16.7	17.3	17.3	17.0	16.0	15.5	14.4	13.4	12.4	11.3				
	16	= number of hours exceeded 70 dB(A)																			
6203	LV	2,475	3,115	2,842	2,733	2,296	2,347	1,903	2,147	2,390	2,548	2,748	3,002	2,583	1,855	2,002	2,101	2,810	2,789	2,344	
	HV	1,193	1,391	1,772	2,242	2,257	1,937	1,917	2,118	2,056	2,203	1,624	1,836	1,475	1,149	978	878	1,300	1,614	1,754	
	SPD	34.0	34.0	34.0	33.0	33.0	33.0	33.0	33.0	33.0	32.5	32.5	32.5	32.5	33.0	33.0	33.0				
	total	3667	4506	4614	4975	4552	4284	3820	4265	4446	4751	4372	4838	4069	3004	2980	2979	34	33	33	
	% HV	33	31	38	45	50	45	50	50	46	46	37	38	36	33	33	29				
	BNL	78	79	79	79	79	79	78	78	79	79	79	79	79	78	77	77				
	% HV	3	3	4	4	5	4	5	5	4	4	4	4	4	4	3	3				
	Gradient	3	Gradient	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
	Distance	12	Distance	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr			
Facade Noise Levels dB(A)		82.2	82.9	83.8	84.8	84.8	84.1	84.0	84.5	84.4	84.7	83.5	84.0	83.1	82.0	81.4	81.0	83.6			
HKPSG Exceedances		12.2	12.9	13.8	14.8	14.8	14.1	14.0	14.5	14.4	14.7	13.5	14.0	13.1	12.0	11.4	11.0				
	16	= number of hours exceeded 70 dB(A)																			
6213	LV	1,944	2,455	2,140	1,644	1,398	1,682	1,732	1,404	1,688	2,081	2,330	2,359	2,228	1,911	1,638	1,405	2,352	2,322	1,747	
	HV	1,630	1,961	2,348	2,551	2,712	2,384	2,674	2,577	2,410	2,499	2,113	2,032	1,374	1,223	1,088	968	1,899	2,012	2,056	
	SPD	48.5	48.5	48.5	49.5	49.5	49.5	49.5	49.5	49.5	47.0	47.0	47.0	47.0	49.5	49.5	49.5				
	total	3574	4416	4489	4195	4110	4046	4406	3981	4097	4580	4443	4391	3603	3133	2726	2372	49	47	50	
	% HV	46	44	52	61	66	59	61	65	59	55	48	46	38	39	40	41				
	BNL	78	79	79	78	78	78	79	78	78	79	79	79	79	78	77	77				
	% HV	5	4	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	81.1	81.4	80.9	81.4	81.2	80.9	81.0	80.4	80.2	78.7	78.3	77.8	77.2	80.2			
HKPSG Exceedances		9.4	10.2	10.8	11.1	11.4	10.9	11.4	11.2	10.9	11.0	10.4	10.2	8.7	8.3	7.8	7.2				
	16	= number of hours exceeded 70 dB(A)																			