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Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2001 CTS-3 (815100) MAIN MODEL RUN - Ver 48 (LOW/BUDGET TOLL)

2001 CTS-3 (815100) MAIN MODEL RUN - Ver 48 (LOWBUDGET TOLL)																			Model Output		
Hour Start / 2-way Hourly Traffic Volume (veh.) or Speed (km/hr)																			AM	PM	OP
Stn.		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22				
1805	LV	6,127	7,869	8,933	7,258	6,803	6,709	5,060	8,145	6,923	7,680	7,020	8,163	7,608	6,468	5,499	4,875	7,379	7,115	6,686	
	HV	1,363	1,543	2,565	3,140	3,119	3,075	2,518	2,855	2,801	2,824	2,278	1,430	1,008	645	412	264	1,808	2,115	2,008	
	SPD	43.5	43.5	43.5	45.0	45.0	45.0	45.0	45.0	45.0	41.0	41.0	41.0	41.0	45.0	45.0	45.0	44	41	45	
	total	7490	9512	11498	10398	9922	9784	7578	9000	9725	10504	9297	9592	8617	7113	5911	4939				
	% HV	18	17	22	30	31	31	33	32	29	27	24	15	12	9	7	5				
	BNL	81	82	83	82	82	82	81	82	82	82	82	82	82	81	80	79				
	% HV	1	1	2	3	3	3	3	3	3	3	2	1	0	0	0	0				
Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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)		75.4	76.3	77.9	78.5	78.4	78.4	77.5	78.0	78.1	78.0	77.2	75.8	74.7	73.5	72.2	70.9				
HKPSG Exceedances		5.4	6.3	7.9	8.5	8.4	8.4	7.5	8.0	8.1	8.0	7.2	5.8	4.7	3.5	2.2	0.9				
16 = number of hours exceeded 70 dB(A)																					
1810	LV	591	840	888	682	639	630	475	577	650	790	944	919	715	608	517	439	788	957	628	
	HV	84	112	163	186	185	182	149	169	166	190	208	108	60	38	24	16	123	193	119	
	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	675	952	1051	868	824	813	625	747	816	980	1152	1026	774	646	541	455				
	% HV	12	12	15	21	22	22	24	23	20	19	18	10	8	6	5	3				
	BNL	70	72	72	72	71	71	70	71	71	72	73	72	71	70	70	69				
	% HV	2	2	3	3	4	4	4	4	3	3	3	2	1	1	1	0				
Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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)		65.7	67.1	68.2	68.1	68.0	68.0	67.0	67.6	67.7	68.4	68.9	67.2	65.5	64.3	63.2	62.2				
HKPSG Exceedances		4.3	4.9	5.8	6.1	6.0	6.0	5.0	5.6	5.7	6.2	6.7	6.1	4.8	4.5	4.2	3.7				
0 = number of hours exceeded 70 dB(A)																					
1811	LV	2,384	3,191	2,482	1,855	1,710	1,708	1,720	1,770	2,055	1,936	2,154	2,773	2,855	2,232	1,746	1,365	2,748	2,140	2,029	
	HV	1,216	1,396	1,362	1,294	1,365	1,327	1,297	1,319	1,392	1,355	1,564	1,064	1,011	733	531	385	1,352	950	1,118	
	SPD	32.5	32.5	32.5	38.5	38.5	38.5	38.5	38.5	38.5	39.0	39.0	39.0	39.0	38.5	38.5	38.5	33	39	39	
	total	3581	4586	3844	3149	3075	3034	3017	3088	3447	3291	3112	3837	3866	2965	2277	1750				
	% HV	34	30	35	41	44	44	43	43	40	41	31	28	26	25	23	22				
	BNL	78	79	78	77	77	77	77	77	78	77	77	78	78	77	76	75				
	% 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	1				
Distance	10	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0				
Surface	i	-1.0	-1.0	-1.0	-1.0	-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)		82.9	83.8	83.4	83.0	83.2	83.1	83.0	83.1	83.3	83.2	81.9	82.5	82.3	81.0	79.8	78.3				
HKPSG Exceedances		12.9	13.6	13.4	13.0	13.2	13.1	13.0	13.1	13.3	13.2	11.9	12.5	12.3	11.0	9.6	8.3				
16 = number of hours exceeded 70 dB(A)																					
1820	LV	729	1,634	1,403	850	813	932	849	924	995	837	805	1,053	1,322	995	748	583	1,545	806	915	
	HV	513	772	623	784	862	776	832	754	788	755	618	598	649	450	312	216	757	584	651	
	SPD	32.5	32.5	32.5	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	33	37	28	
	total	1242	2406	2228	1634	1675	1709	1681	1679	1783	1692	1422	1650	1971	1444	1060	779				
	% HV	41	32	37	48	51	45	49	45	44	45	43	36	33	31	29	28				
	BNL	73	76	76	74	74	75	74	74	75	74	74	74	74	75	74	72				
	% HV	4	3	4	5	5	5	5	5	5	4	4	3	3	3	3	3				
Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Distance	5	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2				
Surface	i	-1.0	-1.0	-1.0	-1.0	-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)		80.2	82.1	82.3	82.2	82.5	82.1	82.4	82.0	82.2	81.7	80.9	80.8	81.3	80.0	78.4	76.9				
HKPSG Exceedances		10.2	12.1	12.3	12.2	12.5	12.1	12.4	12.0	12.2	11.7	10.9	10.8	11.3	10.0	8.4	6.9				
16 = number of hours exceeded 70 dB(A)																					
1834	LV	2,288	2,890	2,245	2,109	2,000	2,050	1,699	2,000	1,988	2,075	2,146	2,279	2,511	2,339	2,179	2,030	2,621	2,089	2,126	
	HV	1,242	1,644	1,759	1,965	1,847	1,732	1,757	1,856	1,922	1,701	1,328	1,066	881	829	779	733	1,655	1,247	1,437	
	SPD	41.0	41.0	41.0	43.5	43.5	43.5	43.5	43.5	43.5	44.0	44.0	44.0	44.0	43.5	43.5	43.5	41	44	44	
	total	3530	4524	4005	4073	3847	3781	3457	3855	3910	3777	3474	3345	3392	3168	2958	2763				
	% HV	35	36	44	48	48	46	51	48	45	45	38	32	26	26	26	27				
	BNL	78	79	78	78	78	78	78	78	78	78	78	77	77	77	77	77				
	% HV	3	4	4	5	5	4	5	5	5	4	4	3	2	2	3	3				
Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Distance	12	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1				
Surface	i	-1.0	-1.0	-1.0	-1.0	-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	82.7	82.8	83.3	83.0	82.8	82.8	83.1	83.2	82.7	81.8	81.0	80.4	80.1	79.8	79.5				
HKPSG Exceedances		11.5	12.7	12.8	13.3	13.0	12.8	12.8													

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2001 CTS-3 (815100) MAIN MODEL RUN - Ver 48 (LOW/BUDGET TOLL)

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		
2033	LV	388	784	718	475	454	521	474	516	555	519	432	579	738	555	418	314	741	433	511		
	HV	371	651	629	535	588	530	567	514	538	518	431	412	443	307	213	147	638	415	444		
	SPD	21.0	21.0	21.0	22.5	22.5	22.5	22.5	22.5	22.5	23.0	23.0	23.0	23.0	22.5	22.5	22.5	21	23	23		
	total	759	1434	1347	1010	1042	1050	1042	1031	1093	1037	864	991	1181	862	630	462					
	% HV	49	45	47	53	56	50	54	50	49	50	50	42	37	36	34	32					
	BNL	71	74	73	72	72	72	72	72	73	72	72	72	73	72	70	69					
	% HV	6	6	6	6	6	6	6	6	6	6	5	4	4	4	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	-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	81.9	81.8	80.7	81.1	80.7	81.0	80.6	80.8	80.5	79.7	79.6	79.9	78.5	76.9	75.3	80.2				
HKPSG Exceedances		9.4	11.9	11.8	10.7	11.1	10.7	11.0	10.6	10.8	10.5	9.7	9.6	9.9	8.5	6.9	5.3					
		16	= number of hours exceeded 70 dB(A)																			
2201	LV	2,048	2,614	2,115	1,630	1,502	1,501	1,511	1,555	1,806	1,640	1,552	2,247	2,509	1,962	1,534	1,200	2,251	1,542	1,783		
	HV	1,035	1,176	1,155	1,105	1,166	1,133	1,108	1,127	1,189	1,155	810	905	864	626	453	329	1,139	803	955		
	SPD	34.5	34.5	34.5	38.5	38.5	38.5	38.5	38.5	38.5	40.5	40.5	40.5	40.5	38.5	38.5	38.5	35	41	39		
	total	3083	3789	3270	2736	2669	2634	2619	2682	2995	2794	2362	3152	3372	2588	1987	1528					
	% HV	34	31	35	40	44	43	42	40	41	34	29	26	24	23	21						
	BNL	77	78	77	77	76	76	76	76	77	77	76	77	77	76	75	74					
	% HV	3	3	3	4	4	4	4	4	4	4	3	3	2	2	2	2					
	Gradient	3	Gradient	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
	Distance	10	Distance	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0				
Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr				
Facade Noise Levels dB(A)		82.2	82.8	82.6	82.3	82.5	82.4	82.3	82.4	82.7	82.5	81.1	81.8	81.7	80.3	79.0	77.6	81.8				
HKPSG Exceedances		12.2	12.8	12.6	12.3	12.5	12.4	12.3	12.4	12.7	12.5	11.1	11.8	11.7	10.3	9.0	7.6					
		16	= number of hours exceeded 70 dB(A)																			
2215	LV	1,211	2,197	1,973	1,286	1,206	1,189	897	1,089	1,227	1,462	1,664	1,871	1,348	1,146	975	829	2,060	1,687	1,185		
	HV	360	550	734	762	757	747	611	693	680	808	948	471	245	157	100	64	605	880	487		
	SPD	66.5	66.5	66.5	70.0	70.0	70.0	70.0	70.0	70.0	68.5	68.5	68.5	68.5	70.0	70.0	70.0	67	69	70		
	total	1570	2747	2707	2048	1963	1936	1508	1782	1907	2271	2612	2142	1593	1303	1075	893					
	% HV	23	20	27	37	39	39	41	39	36	36	36	22	15	12	9	7					
	BNL	74	77	77	75	75	75	74	75	75	76	76	76	74	73	73	72					
	% HV	3	3	4	5	5	5	5	5	5	5	5	3	3	2	2	1					
	Gradient	0	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
	Distance	20	Distance	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2					
	Surface	p	Surface	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5				
Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr				
Facade Noise Levels dB(A)		73.7	75.7	76.5	76.5	76.4	76.4	75.4	76.0	76.1	76.7	77.4	75.1	72.9	71.6	70.3	69.1	75.3				
HKPSG Exceedances		3.7	5.7	6.5	6.5	6.4	6.4	5.4	6.0	6.1	6.7	7.4	5.1	2.9	1.6	0.3	-0.9					
		14	= number of hours exceeded 70 dB(A)																			
3001	LV	3,986	4,298	4,396	4,470	4,085	4,431	4,073	4,559	4,651	4,372	4,554	5,191	5,340	4,658	5,102	5,391	4,170	4,489	4,672		
	HV	1,953	1,526	1,983	2,158	2,506	2,116	2,362	2,534	2,463	2,490	2,006	1,873	1,153	982	754	652	1,545	2,011	1,847		
	SPD	55.5	55.5	55.5	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	56	51	51		
	total	5939	5824	6378	6628	6590	6546	6435	7093	7114	6862	6560	6864	6493	5637	5857	6042					
	% HV	33	26	31	33	38	32	37	36	35	36	31	24	18	17	13	11					
	BNL	80	80	80	80	80	80	80	81	81	81	80	81	80	80	80	80					
	% HV	4	3	4	4	4	4	4	4	4	4	3	3	2	2	1	0					
	Gradient	3	Gradient	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
	Distance	21	Distance	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3					
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0				
Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr				
Facade Noise Levels dB(A)		83.0	82.2	83.2	83.3	83.8	83.2	83.5	83.9	83.8	83.8	83.0	82.5	81.3	80.7	80.0	79.8	82.7				
HKPSG Exceedances		13.0	12.2	13.2	13.3	13.8	13.2	13.5	13.9	13.8	13.8	13.0	12.5	11.3	10.7	10.0	9.8					
		16	= number of hours exceeded 70 dB(A)																			
3002	LV	3,727	3,976	3,695	3,574	2,301	2,110	1,943	2,172	2,715	3,649	2,908	3,768	3,080	2,178	2,671	2,543	3,537	3,130	2,828		
	HV	2,174	2,544	3,008	3,547	4,405	3,841	3,787	4,628	4,392	3,721	3,194	3,293	2,883	1,866	1,154	1,076	2,482	3,022	3,191		
	SPD	54.8	54.8	54.8	52.0	52.0	52.0	52.0	52.0	52.0	52.5	52.5	52.5	52.5	52.0	52.0	52.0	55	53	52		
	total	5901	6520	6703	7122	6707	5951	5730	6800	7107	7370	6102	7061	5963	4044	3825	3619					
	% HV	37	39	45	50	66	65	66	68	62	50	52	47	48	46	30	30					
	BNL	80	80	80	81	80	80	80	81	81	81	80	81	80	78	78	78					
	% HV	4	4	5	5	6	6	6	6	6	6	5	5	5	5	3	3					
	Gradient	9	Gradient	3	3	3	3	3	3	3	3	3	3	3	3	3	3					
	Distance	10	Distance	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
	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)		87.7	88.4	89.0	89.5	90.2	89.6	89.6	90.4	90.3	89.7	89.0	89.2	88.6	86.7	85.1	84.8	88.9				
HKPSG Exceedances		17.7	18.4	19.0	19.5	20.2	19.6	19.6	20.4	20.3	19.7	19.0	19.2	18.6	16.7	15.1	14.8					
		16	= number of hours exceeded 70 dB(A)																			
3010	LV	898	1,627	1,407	1,047	962	1,002	1,058	1,089	1,205	1,122	932	1,203	1,257	1,003	800	839	1,577	994	1,020		
	HV	588	623	918	1,006	1,008	1,010	900	1,106	1,065	946	819	731	585	438	328	246	643	802	782		
	SPD	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	15	19	20		
	total	1484	2250	2325	2052	1969	2011	1958	2195	2260	2068	1751	1933	1842	1441	1128	884					
	% HV	39	28	39	49																	

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2001 CTS-3 (815100) MAIN MODEL RUN - Ver 48 (LOW/BUDGET TOLL)

Stn.		Hour Start / 2-way Hourly Traffic Volume (veh.) or Speed (km/hr)																Model Output		
		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	AM	PM	OP
3012	LV	1,735	1,834	1,835	1,804	1,793	1,702	1,612	1,887	1,946	1,938	1,856	2,389	2,295	1,833	1,464	1,170	1,837	1,845	1,840
	HV	1,098	1,451	1,761	2,129	2,100	1,923	1,799	2,039	2,230	2,025	1,853	1,607	1,181	823	573	399			
	SPD	29.0	29.0	29.0	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5			
	total	2833	3284	3596	3933	3893	3625	3411	3926	4178	3964	3509	3997	3475	2656	2037	1569			
	% HV	39	44	49	54	54	53	53	52	53	51	47	40	34	31	28	25			
	BNL	77	77	78	78	78	78	78	78	78	78	78	78	78	76	75	74			
	% HV	4	4	5	5	5	5	5	5	5	5	4	3	3	3	2				
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
Angle	160 angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5			
Facade Noise Levels dB(A)		81.6	82.8	83.6	84.4	84.3	84.0	83.7	84.2	84.6	84.2	83.4	83.3	82.1	80.6	79.1	77.6	Average Level over 16 hr		
HKPSG Exceedances		11.6	12.8	13.6	14.4	14.3	14.0	13.7	14.2	14.6	14.2	13.4	13.3	12.1	10.6	9.1	7.6	83.1		
16		= number of hours exceeded 70 dB(A)																		
3204	LV	4,434	4,989	4,462	4,199	2,704	2,479	2,283	2,552	3,189	4,341	3,607	4,542	3,618	2,559	3,138	2,988	4,438	3,882	3,322
	HV	2,319	2,806	3,241	3,749	4,656	4,059	4,002	4,892	4,842	3,935	3,386	3,484	3,047	1,972	1,220	1,137			
	SPD	41.5	41.5	41.5	39.5	39.5	39.5	39.5	39.5	39.5	34.5	34.5	34.5	34.5	39.5	39.5	39.5			
	total	6753	7795	7703	7948	7360	6538	6285	7443	7832	8275	6993	8026	6665	4531	4358	4125			
	% HV	34	36	42	47	63	62	64	66	59	48	48	43	46	44	28	28			
	BNL	80	81	81	81	81	80	80	81	81	81	81	81	80	79	79	78			
	% HV	3	4	4	4	6	6	6	6	5	4	5	4	4	4	3	3			
	Gradient	6	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
	Distance	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
Angle	160 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)		86.6	87.4	87.9	88.5	89.2	88.6	88.6	89.4	89.3	88.7	88.0	88.2	87.6	85.7	84.0	83.7	Average Level over 16 hr		
HKPSG Exceedances		16.6	17.4	17.9	18.5	19.2	18.8	18.6	19.4	19.3	18.7	18.0	18.2	17.6	15.7	14.0	13.7	87.9		
16		= number of hours exceeded 70 dB(A)																		
3212	LV	3,292	4,297	4,077	3,497	3,634	3,846	3,592	3,846	3,765	3,980	3,581	4,115	4,273	3,621	3,069	2,601	4,181	3,518	3,649
	HV	2,302	2,462	2,812	3,021	2,993	3,164	3,039	2,987	3,273	2,988	2,695	2,539	2,122	1,512	1,077	768			
	SPD	34.0	34.0	34.0	37.0	37.0	37.0	37.0	37.0	37.0	36.0	36.0	36.0	36.0	37.0	37.0	37.0			
	total	5594	6759	6889	6518	6627	7030	6631	6833	7038	6967	6276	6654	6394	5133	4147	3369			
	% HV	41	36	41	46	45	45	46	44	47	43	43	38	33	29	26	23			
	BNL	80	80	81	80	80	81	80	81	81	81	80	80	80	79	78	77			
	% HV	4	4	4	4	4	4	4	4	4	4	4	4	3	3	2	2			
	Gradient	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
	Distance	12	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			
	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 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)		84.9	85.3	85.8	86.0	86.0	86.3	86.0	86.0	86.4	86.0	85.6	85.4	84.7	83.3	82.0	80.6	Average Level over 16 hr		
HKPSG Exceedances		14.9	15.3	15.8	16.0	16.0	16.3	16.0	16.0	16.4	16.0	15.6	15.4	14.7	13.3	12.0	10.6	85.3		
16		= number of hours exceeded 70 dB(A)																		
3214	LV	1,507	1,632	2,807	2,305	1,332	2,439	1,497	3,203	1,891	2,281	3,104	2,394	2,694	2,963	3,098	2,873	2,112	2,820	2,335
	HV	973	1,190	1,578	2,402	2,510	1,964	2,564	1,856	2,390	1,885	1,319	1,368	787	528	414	594			
	SPD	23.5	23.5	23.5	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0			
	total	2479	2822	4382	4707	3842	4403	4061	5058	4081	4166	4423	3762	3481	3492	3512	3468			
	% HV	39	42	36	51	65	45	63	37	59	45	30	38	23	15	12	17			
	BNL	76	77	79	79	78	79	78	79	78	78	79	78	78	78	78	78			
	% HV	5	5	4	6	7	5	7	5	7	6	4	5	3	1	1	2			
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance	12	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
Angle	160 angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5			
Facade Noise Levels dB(A)		81.1	81.9	83.2	85.3	85.5	84.5	85.8	84.4	85.3	84.3	83.0	83.0	80.9	79.5	78.7	79.9	Average Level over 16 hr		
HKPSG Exceedances		11.1	11.9	13.2	15.3	15.5	14.5	15.6	14.4	15.3	14.3	13.0	13.0	10.9	9.5	8.7	9.9	83.4		
16		= number of hours exceeded 70 dB(A)																		
3219	LV	455	473	438	389	382	414	382	447	394	434	612	671	566	447	353	279	444	608	422
	HV	328	317	410	508	549	500	528	539	473	506	450	318	209	150	108	78			
	SPD	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	45.5	45.5	45.5			
	total	783	790	848	897	931	914	890	986	866	939	1062	989	775	597	461	357			
	% HV	42	40	48	57	59	55	59	55	55	54	42	32	27	25	23	22			
	BNL	71	71	71	72	72	72	72	72	72	72	72	72	71	70	69	68			
	% HV	4	4	5	5	5	5	5	5	5	5	4	3	3	2	2	2			
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance	12	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
Angle	160 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)		75.7	75.6	76.6	77.4	77.7	77.3	77.5	77.7	77.1	77.4	77.1	75.8	74.2	72.8	71.4	70.1	Average Level over 16 hr		
HKPSG Exceedances		5.7	5.6	6.6	7.4	7.7	7.3	7.5	7.7	7.1	7.4	7.1	5.8	4.2	2.8	1.4	0.1	76.2		
15		= number of hours exceeded 70 dB(A)																		
3223	LV	2,984	4,210	3,939	3,928	3,466	4,016	3,770	4,035	3,934	3,808	3,496	4,709	4,161	3,518	2,974	2,514	3,745	3,640	3,723
	HV	1,216	1,640	2,035	2,623	2,594	2,330	2,462	2,410	2,358	2,507	1,953	1,835	1,221	1,026	860	722			
	SPD	31.5	31.5	31.5	29.5	29.5	29.5	29.5	29.5	29.5	30.0	30.0	30.0	30.0	29.5	29.5	29.5			
	total	4200	5850	5975	6551	6060	6346	6232	6445	6292	6315	5449	6544	5382	4543	3834	3236			
	% HV	29	28	34	40	43	37	40	37	37	40	38	28	23	23	22	22			
	BNL	78	80	80	80	80	80	80	80	80	80	80	80	80	79	78	77			
	% HV	3	3	3	4	4	4	4	4	4	4	4	3	2	2	2	2			
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0</						

Third Comprehensive Transport Study (CTS-3) Future Year Hourly Profile of Traffic Volume and Speed

2001 CTS-3 (815100) MAIN MODEL RUN - Ver 48 (LOW/BUDGET TOLL)

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

Model Output

Stn.		Hour Start / 2-way Hourly Traffic Volume (veh.) or Speed (km/hr)																Model Output		
		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	AM	PM	OP
3224	LV	310	498	437	430	446	438	427	490	527	456	411	552	720	721	722	722	468	429	539
	HV	439	454	532	573	581	555	596	564	582	583	517	494	470	393	328	273	448	500	502
	SPD	31.5	31.5	31.5	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	32	31	31
	total	749	952	969	1003	1027	992	1023	1054	1109	1039	928	1046	1191	1114	1049	996			
	% HV	59	48	55	57	57	56	58	54	52	56	56	47	40	35	31	27			
	BNL	71	72	72	72	72	72	72	72	73	72	72	72	73	73	72	72			
	% HV	5	5	5	5	5	5	5	5	5	5	5	5	4	3	3	3			
	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	-1.0	-1.0	-1.0	-1.0	-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		
3225	LV	436	730	624	595	617	606	591	678	729	653	662	819	997	998	999	1,000	686	690	746
	HV	709	779	876	910	923	881	947	895	924	948	905	822	747	623	520	434	769	878	797
	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	1145	1509	1499	1505	1540	1486	1538	1574	1653	1599	1567	1641	1744	1621	1519	1434			
	% HV	62	52	58	60	60	59	62	57	56	59	58	50	43	38	34	30			
	BNL	73	74	74	74	74	74	74	74	74	74	74	74	75	74	74	74			
	% HV	6	5	6	6	6	6	6	6	6	6	6	5	5	4	4	3			
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	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		
3230	LV	491	842	753	588	540	563	594	612	677	605	428	619	706	563	450	359	816	457	573
	HV	344	396	552	580	581	582	519	638	608	557	515	440	338	253	189	142	408	504	451
	SPD	22.0	22.0	22.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	22	25	25
	total	836	1237	1305	1168	1121	1145	1113	1249	1285	1162	943	1059	1043	816	639	500			
	% HV	41	32	42	50	52	51	47	51	47	48	55	42	32	31	30	28			
	BNL	71	73	73	73	73	73	73	73	73	73	72	72	72	71	70	69			
	% HV	5	4	5	5	5	5	5	5	5	5	5	4	3	3	3	3			
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	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		
3231	LV	884	1,548	1,366	1,048	963	1,003	1,059	1,090	1,206	1,149	1,028	1,261	1,258	1,004	801	639	1,500	1,097	1,021
	HV	627	677	987	1,072	1,075	1,077	960	1,179	1,126	1,006	864	775	624	467	350	262	898	846	834
	SPD	26.0	26.0	26.0	28.0	28.0	28.0	28.0	28.0	28.0	27.0	27.0	27.0	27.0	28.0	28.0	28.0	26	27	28
	total	1511	2224	2353	2120	2037	2080	2019	2269	2331	2155	1892	2036	1882	1471	1151	901			
	% HV	41	30	42	51	53	52	48	52	48	47	46	38	33	32	30	29			
	BNL	74	76	76	75	75	75	75	76	76	76	75	75	75	74	73	72			
	% HV	4	3	4	5	5	5	5	5	5	5	5	4	3	3	3	3			
	Gradient	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
	Distance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	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		
3232	LV	426	587	409	378	356	368	349	382	395	479	786	660	535	446	426	405	526	766	410
	HV	427	381	611	645	705	610	580	606	658	627	448	488	339	224	229	181	424	473	495
	SPD	30.0	30.0	30.0	32.0	32.0	32.0	32.0	32.0	32.0	30.0	30.0	30.0	30.0	30.0	32.0	32.0	30	30	32
	total	852	968	1020	1024	1060	978	930	988	1053	1106	1231	1148	874	670	655	585			
	% HV	50	39	60	63	66	62	62	61	63	57	36	43	39	33	35	31			
	BNL	72	72	72	72	72	72	72	72	72	73	73	73	72	70	70	70			
	% HV	5	4	6	6	6	6	6	6	6	5	4	4	4	3	3	3			
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance	-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		
3233	LV	726	948	686	658	618	641	608	664	687	744	927	927	930	776	740	704	850	904	713
	HV	640	582	921	963	1,052	911	866	906	983	943	685	739	506	334	342	270	647	727	739
	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	15	18
	total	1366	1530	1606	1621	1670	1551	1474	1569	1669	1687	1612	1668	1436	1110	1082	974			
	% HV	47	38	57	59	63	59	58	58	59	56	42	44	35	30	32	28			
	BNL	74	74	74	74	74	74	74	74	74	74	74	74	74	73	73	72			
	% HV	6	5	7	7	7	7	7	7	7	7	6	6	5	4	4	4			
	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	Average Level over 16 hr		

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2001 CTS-3 (815100) MAIN MODEL RUN - Ver 48 (LOW/BUDGET TOLL)

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
3235	LV	1,795	1,875	1,703	1,322	1,187	1,325	1,212	1,287	1,281	1,275	1,378	1,572	1,877	1,534	1,254	1,025	1,703	1,333	1,404
	HV	994	774	940	826	864	833	867	851	1,009	885	877	786	760	540	383	272	786	619	772
	SPD	43.5	43.5	43.5	45.5	45.5	45.5	45.5	45.5	45.5	46.0	46.0	46.0	46.0	45.5	45.5	45.5	44	46	46
	total	2789	2649	2643	2148	2031	2157	2079	2118	2290	2160	2256	2357	2637	2074	1637	1297			
	% HV	36	29	36	38	43	39	42	40	44	41	39	33	29	26	23	21			
	BNL	77	76	76	76	75	76	75	75	76	76	76	76	76	75	74	73			
	% HV	4	3	4	4	4	4	4	4	4	4	4	3	3	3	2	2			
	Gradient	6	Gradient	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
	Distance	15	Distance	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
3402	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)	81.6	80.7	81.4	80.8	80.9	80.8	81.0	80.9	81.6	81.1	80.7	80.7	79.3	78.0	76.6	80.8			
	HKPSG Exceedances	11.6	10.7	11.4	10.8	10.9	10.8	11.0	10.9	11.6	11.1	10.7	10.7	9.3	8.0	6.6				
	16	= number of hours exceeded 70 dB(A)																		
	LV	1,203	1,636	1,572	1,599	1,411	1,635	1,534	1,643	1,601	1,549	1,415	1,912	1,894	1,432	1,211	1,023	1,456	1,474	1,516
	HV	482	593	786	1,063	1,051	944	998	977	956	1,027	831	761	495	415	349	293	574	810	768
	SPD	27.8	27.8	27.8	26.8	26.8	26.8	26.8	26.8	26.8	26.3	26.3	26.3	26.3	26.8	26.8	26.8	28	26	27
	total	1585	2229	2358	2662	2462	2579	2532	2619	2557	2576	2247	2673	2189	1847	1559	1316			
	% HV	29	27	33	40	43	37	39	37	37	40	37	28	23	22	22	22			
	BNL	74	76	76	76	76	76	76	76	76	76	76	76	76	75	74	73			
	% HV	3	3	3	4	4	4	4	4	4	4	4	3	2	2	2	2			
3403	Gradient	6	Gradient	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
	Distance	21	Distance	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3			
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr		
	Facade Noise Levels dB(A)	77.6	78.5	79.6	80.9	80.8	80.4	80.6	80.5	80.4	80.8	79.9	79.7	79.0	77.2	76.4	75.7	79.5		
	HKPSG Exceedances	7.6	8.5	9.6	10.9	10.8	10.4	10.6	10.5	10.4	10.8	9.9	9.7	8.0	7.2	6.4	5.7			
	16	= number of hours exceeded 70 dB(A)																		
	LV	1,097	1,559	1,452	1,442	1,273	1,475	1,384	1,482	1,444	1,432	1,430	1,816	1,528	1,292	1,092	923	1,387	1,489	1,367
	HV	418	579	705	895	886	796	841	823	805	908	855	707	417	350	294	247	560	833	647
	SPD	33.0	33.0	33.0	32.0	32.0	32.0	32.0	32.0	32.0	26.5	26.5	26.5	26.5	32.0	32.0	32.0	33	27	32
	total	1516	2138	2157	2338	2158	2270	2225	2305	2250	2340	2286	2523	1945	1642	1386	1170			
	% HV	28	27	33	38	41	35	38	36	36	39	37	28	21	21	21	21			
	BNL	74	75	76	76	76	76	76	76	76	76	76	76	75	74	74	73			
	% HV	3	2	3	4	4	3	4	3	3	4	4	3	2	2	2	2			
3404	Gradient	6	Gradient	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
	Distance	21	Distance	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3			
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr		
	Facade Noise Levels dB(A)	74.5	76.1	76.7	77.5	77.4	77.1	77.3	77.2	77.1	77.4	76.8	76.4	74.6	73.9	73.1	72.4	76.2		
	HKPSG Exceedances	4.5	6.1	6.7	7.5	7.4	7.1	7.3	7.2	7.1	7.4	6.8	6.4	4.6	3.9	3.1	2.4			
	16	= number of hours exceeded 70 dB(A)																		
	LV	535	857	734	680	599	695	652	698	880	674	673	855	720	608	514	435	762	701	644
	HV	257	371	439	545	539	484	512	501	490	535	455	402	254	213	179	150	359	443	354
	SPD	37.0	37.0	37.0	39.5	39.5	39.5	39.5	39.5	39.5	37.5	37.5	37.5	37.5	39.5	39.5	39.5	37	38	40
	total	792	1228	1174	1225	1139	1179	1164	1199	1171	1209	1128	1258	974	822	693	585			
	% HV	32	30	37	45	47	41	44	42	44	40	40	32	26	26	26	26			
	BNL	71	73	73	73	73	73	73	73	73	73	73	73	72	71	71	70			
	% HV	3	3	4	4	4	4	4	4	4	4	4	3	2	2	2	2			
3405	Gradient	6	Gradient	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
	Distance	10	Distance	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr		
	Facade Noise Levels dB(A)	85.5	86.3	86.8	87.3	88.1	87.5	87.4	88.3	88.1	87.5	86.9	87.1	86.4	84.6	82.8	82.5	86.7		
	HKPSG Exceedances	15.5	16.3	16.8	17.3	18.1	17.5	17.4	18.3	18.1	17.5	16.9	17.1	16.4	14.6	12.8	12.5			
	16	= number of hours exceeded 70 dB(A)																		
	LV	3,254	3,566	2,144	1,867	1,696	1,613	1,796	1,957	2,124	2,202	3,078	3,411	2,763	2,456	2,183	1,941	3,030	3,093	2,187
	HV	979	985	1,299	1,633	1,527	1,367	1,550	1,625	1,544	1,463	1,151	1,202	1,151	860	643	480	949	1,142	1,264
	SPD	61.0	61.0	61.0	64.0	64.0	64.0	64.0	64.0	64.0	60.5	60.5	60.5	60.5	64.0	64.0	64.0	61	61	64
	total	4233	4551	3443	3500	3223	2980	3346	3582	3669	3665	4229	4614	3915	3316	2826	2421			
	% HV	23	22	38	47	47	46	46	45	42	40	27	26	29	26	23	20			
	BNL	78	79	78	78	77	77	77	78	78	78	78	78	78	77	77	76			
	% HV	3	3	5	5	5	5	5	5	5	5	4	4	4	4	3	3			
3406	Gradient	3	Gradient	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
	Distance	21	Distance	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3			
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr		
	Facade Noise Levels dB(A)	80.8	81.0	81.5	82.4	82.1	81.7	82.2	82.4	82.3	81.9	81.3	81.5	81.2	80.3	79.2	78.2	81.4		
	HKPSG Exceedances	10.8	11.0	11.5	12.4	12.1	11.7	12.2	12.4	12.3	11.9	11.3	11.5	11.2	10.3	9.2	8.2			
	16	= number of hours exceeded 70 dB(A)																		
	LV	3,254	3,566	2,144	1,867	1,696	1,613	1,796	1,957	2,124	2,202	3,078	3,411	2,763	2,456	2,183	1,941	3,030	3,093	2,187

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2001 CTS-3 (815100) MAIN MODEL RUN - Ver 48 (LOW/BUDGET TOLL)

Stn.		Hour Start / 2-way Hourly Traffic Volume (veh.) or Speed (km/hr)																Model Output			
		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	AM	PM	OP	
3434	LV	748	1,257	1,138	903	830	864	913	939	1,040	989	881	1,084	1,084	865	690	551	1,218	940	880	
	HV	508	554	502	388	370	372	377	355	311	315	302	328	305	378	283	212	571	687	675	
	SPD	25.5	25.5	25.5	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	26	26	26	
	total	1257	1810	1940	1771	1700	1736	1690	1894	1950	1804	1583	1712	1589	1243	974	763				
	% HV	40	31	41	49	51	50	46	50	47	45	44	37	32	30	29	28				
	BNL	73	75	75	75	75	75	74	75	75	75	74	75	74	73	72	71				
	% HV	4	3	4	5	5	5	5	5	5	5	5	4	3	3	3	3				
	Gradient	6	Gradient	2	2	2	2	2	2	2	2	2	2	2	2	2	2				
	Distance	10	Distance	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr			
Facade Noise Levels dB(A)		80.4	80.9	82.4	82.6	82.6	82.6	82.1	83.0	82.8	82.4	81.7	81.3	80.5	79.2	78.0	76.7	81.5			
HKPSG Exceedances		10.4	10.9	12.4	12.6	12.6	12.6	12.1	13.0	12.8	12.4	11.7	11.3	10.6	9.2	8.0	6.7				
		16	= number of hours exceeded 70 dB(A)																		
3438	LV	1,028	1,132	1,203	1,154	1,200	1,270	1,186	1,270	1,243	1,305	1,142	1,338	1,410	1,195	1,013	859	1,101	1,122	1,205	
	HV	1,022	1,159	1,274	1,312	1,300	1,383	1,320	1,297	1,422	1,306	1,204	1,118	922	657	468	333	1,211	1,159	1,068	
	SPD	24.0	24.0	24.0	25.0	25.0	25.0	25.0	25.0	24.8	24.8	24.8	24.8	24.8	25.0	25.0	25.0	24	25	25	
	total	2049	2291	2477	2467	2500	2652	2506	2567	2664	2611	2347	2456	2332	1852	1481	1192				
	% HV	50	51	51	53	52	53	51	53	50	51	46	40	35	32	28					
	BNL	75	76	76	76	76	76	76	76	76	76	76	76	76	75	74	73				
	% HV	5	5	6	6	5	5	5	5	6	5	5	5	4	4	4	3				
	Gradient	0	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	Distance	12	Distance	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1				
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr			
Facade Noise Levels dB(A)		81.1	81.7	82.1	82.0	82.0	82.3	82.1	82.0	82.4	82.1	81.7	81.4	80.7	79.2	77.8	76.4	81.3			
HKPSG Exceedances		11.1	11.7	12.1	12.0	12.0	12.3	12.1	12.0	12.4	12.1	11.7	11.4	10.7	9.2	7.8	6.4				
		16	= number of hours exceeded 70 dB(A)																		
3450	LV	394	1,069	980	652	648	692	633	725	699	647	771	860	893	785	787	712	974	769	710	
	HV	543	860	988	1,150	1,117	1,062	953	1,134	1,247	1,132	914	901	655	546	441	411	838	928	877	
	SPD	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	19	19	19	
	total	936	1928	1968	1802	1765	1754	1586	1858	1947	1779	1684	1761	1548	1331	1207	1123				
	% HV	58	45	50	64	63	61	60	61	64	64	54	51	42	41	36	37				
	BNL	72	75	75	75	75	75	74	75	75	75	74	75	74	73	73	73				
	% HV	7	6	6	7	7	7	7	7	7	7	7	7	6	5	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	-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)		80.4	82.5	83.0	83.6	83.5	83.3	82.8	83.6	84.0	83.5	82.7	82.6	81.3	80.5	79.6	79.3	82.5			
HKPSG Exceedances		10.4	12.5	13.0	13.6	13.5	13.3	12.8	13.6	14.0	13.5	12.7	12.6	11.3	10.5	9.6	9.3				
		16	= number of hours exceeded 70 dB(A)																		
3457	LV	331	200	211	267	253	278	290	300	320	283	161	268	357	252	263	251	179	182	295	
	HV	121	109	223	274	259	244	243	252	238	215	177	160	97	65	51	38	131	178	178	
	SPD	37.0	37.0	37.0	35.0	35.0	35.0	35.0	35.0	35.0	36.5	36.5	36.5	36.5	35.0	35.0	35.0	37	37	35	
	total	452	310	434	541	512	522	534	552	556	498	338	429	455	317	313	289				
	% HV	27	35	51	51	51	47	46	46	42	43	52	37	21	20	16	13				
	BNL	69	67	69	70	69	69	69	70	70	69	67	69	69	67	67	67				
	% HV	2	3	5	5	5	4	4	4	4	4	5	4	2	2	1	0				
	Gradient	6	Gradient	2	2	2	2	2	2	2	2	2	2	2	2	2	2				
	Distance	5	Distance	2	2	2	2	2	2	2	2	2	2	2	2	2	2				
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr			
Facade Noise Levels dB(A)		76.0	75.3	78.1	79.1	78.8	78.6	78.6	78.8	78.5	78.1	77.1	76.9	75.2	73.5	72.7	71.8	77.2			
HKPSG Exceedances		6.0	5.3	8.1	9.1	8.8	8.6	8.6	8.8	8.5	8.1	7.1	6.9	5.2	3.5	2.7	1.8				
		16	= number of hours exceeded 70 dB(A)																		
3462	LV	1,134	1,187	1,119	1,092	703	645	594	664	830	1,103	846	1,126	941	666	818	777	1,056	911	864	
	HV	404	616	609	605	751	655	646	789	749	856	643	604	492	318	187	183	601	608	544	
	SPD	30.5	30.5	30.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31	32	32	
	total	1537	1803	1727	1697	1454	1300	1239	1453	1578	1760	1489	1730	1433	984	1013	961				
	% HV	26	34	35	36	52	50	52	54	47	37	43	35	34	32	19	19				
	BNL	74	75	75	74	74	73	73	74	74	75	74	75	74	72	72	72				
	% HV	2	3	3	3	5	5	5	5	5	4	4	3	3	3	1	1				
	Gradient	0	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	Distance	8	Distance	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr			
Facade Noise Levels dB(A)		78.2	79.8	79.8	79.7	80.4	79.8	79.8	80.6	80.4	80.0	79.8	79.7	78.8	77.0	75.3	75.0	79.3			
HKPSG Exceedances		8.2	9.8	9.8	9.7	10.4	9.8	9.8	10.6	10.4	10.0	9.8	9.7	8.8	7.0	5.3	5.0				
		16	= number of hours exceeded 70 dB(A)																		
3602	LV	2,307	3,131	3,012	3,067	2,706	3,136	2,943	3,151	3,072	2,991	2,805	3,721	3,249	2,747	2,322	1,963	2,785	2,920	2,907	
	HV	981	1,249	1,615	2,145	2,122	1,906	2,014	1,971	1,929	2,037	1,550	1,481	999	838	704	591	1,209	1,509	1,550	
	SPD	58.0	58.0	58.0	54.0	54.0	54.0	54.0	54.0	54.0	55.0	55.0	55.0	55.0	54.0	54.0	54.0	58	55	54	

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2001 CTS-3 (815100) MAIN MODEL RUN - Ver 48 (LOW/BUDGET TOLL)

		Hour Start / 2-way Hourly Traffic Volume (veh.) or Speed (km/hr)																Model Output		
Stn.		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	AM	PM	OP
3603	LV	3,685	3,842	3,631	3,553	2,268	2,097	1,931	2,159	2,698	3,604	2,808	3,698	3,061	2,165	2,655	2,528	3,418	3,023	2,811
	HV	1,726	2,073	2,406	2,796	3,472	3,027	2,984	3,648	3,462	2,919	2,458	2,570	2,272	1,470	910	848	2,023	2,326	2,515
	SPD	49.0	49.0	49.0	47.5	47.5	47.5	47.5	47.5	47.5	49.0	49.0	49.0	49.0	47.5	47.5	47.5	49	49	48
	total	5410	5914	6037	6348	5760	5124	4916	5806	6180	6523	5267	6266	5333	3636	3564	3376			
	% HV	32	35	40	44	60	59	61	63	56	45	47	41	43	40	26	25			
	BNL	80	80	80	80	80	79	79	80	80	80	79	80	79	78	78	77			
	% HV	3	4	4	4	6	5	6	6	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	0	0			
	Distance 10 Distance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Surface 1 Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
Angle 160 angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr			
Facade Noise Levels dB(A)		83.9	84.6	85.1	85.6	86.4	85.8	85.7	86.6	86.4	85.9	85.1	85.4	84.8	82.9	81.3	81.0	85.0		
HKPSG Exceedances		13.9	14.6	15.1	15.8	16.4	15.8	15.7	16.6	16.4	15.9	15.1	15.4	14.8	12.9	11.3	11.0			
16 = number of hours exceeded 70 dB(A)																				
3612	LV	861	1,384	1,212	1,192	1,238	1,215	1,185	1,361	1,463	1,349	1,499	1,744	1,999	2,001	2,003	2,005	1,300	1,563	1,496
	HV	856	1,029	1,088	1,069	1,084	1,034	1,112	1,052	1,085	1,111	1,061	964	877	732	611	510	1,016	1,027	936
	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	20.3	20.3	20.3	20	19	20
	total	1717	2412	2300	2261	2322	2249	2297	2412	2548	2460	2560	2708	2876	2733	2614	2515			
	% HV	50	43	47	47	47	46	48	44	43	45	41	36	30	27	23	20			
	BNL	75	76	76	76	76	76	76	76	76	76	76	77	77	77	76	76			
	% HV	5	5	6	6	6	6	6	6	5	6	5	5	4	4	3	3			
	Gradient 0 Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance 10 Distance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Surface 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 160 angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr			
Facade Noise Levels dB(A)		81.6	82.5	82.7	82.6	82.7	82.5	82.8	82.6	82.7	82.9	82.7	82.3	82.0	81.2	80.5	79.8	82.2		
HKPSG Exceedances		11.6	12.5	12.7	12.6	12.7	12.5	12.8	12.6	12.7	12.9	12.7	12.3	12.0	11.2	10.5	9.8			
16 = number of hours exceeded 70 dB(A)																				
3616	LV	1,274	1,201	1,191	1,118	1,097	1,189	1,040	1,284	1,131	1,148	1,221	1,828	1,625	1,284	1,014	801	1,129	1,213	1,212
	HV	700	708	888	1,071	1,157	1,054	1,114	1,135	996	1,017	788	610	441	317	228	163	750	757	780
	SPD	26.0	26.0	26.0	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26	27	27
	total	1975	1909	2079	2189	2254	2243	2154	2420	2127	2165	2009	2238	2066	1601	1242	965			
	% HV	35	37	43	49	51	47	52	47	47	47	39	27	21	20	18	17			
	BNL	75	75	75	76	76	76	76	76	75	76	75	76	75	74	73	72			
	% HV	4	4	5	5	5	5	5	5	5	5	4	3	2	2	1	1			
	Gradient 0 Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance 12 Distance	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-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			
Angle 160 angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr			
Facade Noise Levels dB(A)		79.4	79.4	80.3	81.0	81.3	81.0	81.2	81.3	80.7	80.8	79.8	78.9	77.7	76.3	75.0	73.6	79.7		
HKPSG Exceedances		9.4	9.4	10.3	11.0	11.3	11.0	11.2	11.3	10.7	10.8	9.8	8.9	7.7	6.3	5.0	3.6			
16 = number of hours exceeded 70 dB(A)																				
3617	LV	2,270	3,197	3,078	2,660	2,721	2,629	2,622	2,858	2,895	2,924	2,936	3,067	3,142	2,824	2,848	2,888	3,103	2,959	2,796
	HV	1,149	1,825	1,696	2,007	1,874	1,995	1,829	1,746	1,795	1,807	1,762	1,844	1,603	1,291	1,124	1,039	1,525	1,787	1,634
	SPD	20.0	20.0	20.0	21.0	21.0	21.0	21.0	21.0	21.0	20.0	20.0	20.0	20.0	21.0	21.0	21.0	20	20	21
	total	3419	4822	4775	4667	4594	4624	4451	4604	4690	4731	4698	4910	4745	4115	3972	3928			
	% HV	34	34	36	43	41	43	41	38	38	38	38	38	34	31	28	26			
	BNL	78	79	79	79	79	79	79	79	79	79	79	79	79	78	78	78			
	% HV	5	5	5	5	5	5	5	5	5	5	5	5	5	4	4	3			
	Gradient 0 Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance 5 Distance	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
	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			
Angle 160 angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr			
Facade Noise Levels dB(A)		85.1	86.6	86.8	87.2	87.0	87.2	86.8	86.7	86.8	87.1	86.9	87.1	86.6	85.5	84.9	84.6	86.5		
HKPSG Exceedances		15.1	16.6	16.8	17.2	17.0	17.2	16.8	16.7	16.8	17.1	16.9	17.1	16.6	15.5	14.9	14.6			
16 = number of hours exceeded 70 dB(A)																				
3618	LV	1,467	1,938	1,946	1,758	1,798	1,738	1,733	1,889	1,914	1,908	1,843	1,977	2,077	1,866	1,882	1,909	1,881	1,858	1,848
	HV	465	654	686	814	760	809	742	708	728	732	711	746	651	524	456	422	614	713	663
	SPD	26.5	26.5	26.5	27.0	27.0	27.0	27.0	27.0	27.0	26.0	26.0	26.0	26.0	27.0	27.0	27.0	27	26	27
	total	1932	2592	2632	2573	2558	2547	2475	2598	2642	2641	2554	2723	2727	2390	2338	2331			
	% HV	24	25	26	32	30	32	30	27	28	28	28	27	24	22	19	18			
	BNL	75	76	76	76	76	76	76	76	76	76	76	77	77	76	76	76			
	% HV	2	3	3	3	3	3	3	3	3	3	3	3	3	2	2	1			
	Gradient 0 Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance 5 Distance	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
	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			
Angle 160 angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr			
Facade Noise Levels dB(A)		80.4	81.9	82.1	82.6	82.4	82.6	82.3	82.1	82.2	82.3	82.2	82.4	81.9	81.0	80.5	80.2	81.9		
HKPSG Exceedances		10.4	11.9	12.1	12.6															

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2001 CTS-3 (815100) MAIN MODEL RUN - Ver 48 (LOW/BUDGET TOLL)

Future Year Hourly Profile of Traffic Volume - Ver 48 (LOW/BUDGET TOLL)																					
2001 CTS-3 (815100) MAIN MODEL RUN -																					
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	Model Output			
Stn.		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	AM	PM	OP	
3620	LV	703	1,535	1,627	1,251	1,244	1,328	1,215	1,391	1,343	1,200	1,276	1,541	1,714	1,508	1,472	1,368	1,399	1,273	1,363	
	HV	625	1,107	1,182	1,277	1,241	1,180	1,058	1,259	1,385	1,247	980	983	727	607	489	456	1,079	995	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	17	18	20	
	total	1328	2642	2809	2528	2484	2508	2273	2650	2728	2447	2255	2524	2441	2114	1961	1824				
	% HV	47	42	42	51	50	47	47	48	51	51	43	39	30	29	25	25				
	BNL	73	76	77	76	76	76	76	76	77	76	76	76	76	75	75	75				
	% HV	6	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6				
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	Distance	12	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr			
Facade Noise Levels dB(A)		79.8	82.3	82.6	82.8	82.7	82.5	82.0	82.8	83.2	82.7	81.7	81.8	80.6	79.8	79.0	78.7	81.8			
HKPSG Exceedances		9.8	12.3	12.5	12.8	12.7	12.5	12.0	12.8	13.2	12.7	11.7	11.8	10.6	9.8	9.0	8.7				
16 = number of hours exceeded 70 dB(A)																					
3621	LV	2,946	4,051	3,861	3,904	3,444	3,991	3,746	4,010	3,909	3,801	3,545	4,722	4,135	3,496	2,955	2,499	3,804	3,691	3,700	
	HV	1,240	1,581	2,041	2,710	2,681	2,408	2,544	2,490	2,437	2,565	1,927	1,857	1,262	1,059	889	746	1,530	1,876	1,958	
	SPD	29.0	29.0	29.0	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	29	28	28	
	total	4185	5632	5902	6614	6125	6399	6290	6501	6346	6366	5472	6579	5397	4555	3844	3245				
	% HV	30	28	35	41	44	38	40	38	38	40	35	28	23	23	23	23				
	BNL	78	80	80	80	80	80	80	80	80	80	80	80	80	80	79	78				
	% HV	3	3	4	4	5	4	4	4	4	4	4	4	3	2	2	2				
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	Distance	10	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr			
Facade Noise Levels dB(A)		82.3	83.4	84.4	85.6	85.6	85.2	85.4	85.3	85.2	85.4	84.2	84.2	82.7	81.9	81.2	80.4	84.2			
HKPSG Exceedances		12.3	13.4	14.4	15.6	15.6	15.2	15.4	15.3	15.2	15.4	14.2	14.2	12.7	11.9	11.2	10.4				
16 = number of hours exceeded 70 dB(A)																					
3622	LV	2,946	4,051	3,861	3,904	3,444	3,991	3,746	4,010	3,909	3,801	3,545	4,722	4,135	3,496	2,955	2,499	3,804	3,691	3,700	
	HV	1,240	1,581	2,041	2,710	2,681	2,408	2,544	2,490	2,437	2,565	1,927	1,857	1,262	1,059	889	746	1,530	1,876	1,958	
	SPD	29.0	29.0	29.0	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	29	28	28	
	total	4185	5632	5902	6614	6125	6399	6290	6501	6346	6366	5472	6579	5397	4555	3844	3245				
	% HV	30	28	35	41	44	38	40	38	38	40	35	28	23	23	23	23				
	BNL	78	80	80	80	80	80	80	80	80	80	80	80	80	80	79	78				
	% HV	3	3	4	4	5	4	4	4	4	4	4	4	3	2	2	2				
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	Distance	10	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr			
Facade Noise Levels dB(A)		81.7	82.8	83.8	85.0	85.0	84.6	84.8	84.7	84.6	84.8	83.6	83.6	82.1	81.3	80.6	79.8	83.6			
HKPSG Exceedances		11.7	12.8	13.8	15.0	15.0	14.6	14.8	14.7	14.6	14.8	13.6	13.6	12.1	11.3	10.6	9.8				
16 = number of hours exceeded 70 dB(A)																					
3623	LV	4,242	4,427	4,181	4,089	2,633	2,414	2,223	2,485	3,106	4,180	3,272	4,279	3,523	2,492	3,056	2,910	3,938	3,522	3,235	
	HV	2,102	2,699	2,993	3,341	4,149	3,817	3,567	4,359	4,137	3,517	3,064	3,125	2,718	1,757	1,087	1,014	2,634	2,899	3,005	
	SPD	23.5	23.5	23.5	24.0	24.0	24.0	24.0	24.0	24.0	23.5	23.5	23.5	23.5	24.0	24.0	24.0	24	24	24	
	total	6345	7126	7174	7430	6782	6032	5790	6844	7243	7677	6337	7404	6239	4249	4143	3923				
	% HV	33	38	42	45	61	60	62	64	57	46	48	42	44	41	26	26				
	BNL	80	81	81	81	81	80	80	81	81	81	80	81	80	78	78	78				
	% HV	4	4	5	5	6	6	6	6	6	6	5	5	5	5	3	3				
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	Distance	10	-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)		85.1	86.1	86.5	86.9	87.7	87.1	87.1	87.9	87.7	87.2	86.6	86.7	86.1	84.1	82.3	82.0	86.4			
HKPSG Exceedances		15.1	16.1	16.5	16.9	17.7	17.1	17.1	17.9	17.7	17.2	16.6	16.7	16.1	14.1	12.3	12.0				
16 = number of hours exceeded 70 dB(A)																					
3624	LV	1,426	1,641	1,444	1,342	864	793	730	816	1,020	1,368	1,084	1,411	1,157	818	1,003	955	1,450	1,167	1,062	
	HV	723	1,053	1,074	1,103	1,370	1,194	1,177	1,439	1,366	1,185	1,119	1,078	896	580	359	335	1,028	1,059	992	
	SPD	30.0	30.0	30.0	31.0	31.0	31.0	31.0	31.0	31.0	29.5	29.5	29.5	29.5	31.0	31.0	31.0	30	30	31	
	total	2149	2695	2518	2445	2234	1987	1907	2255	2385	2554	2204	2489	2053	1398	1362	1290				
	% HV	34	39	43	45	61	60	62	64	57	46	48	42	44	41	26	26				
	BNL	76	77	76	76	76	75	75	76	76	76	76	76	75	74	74	73				
	% HV	3	4	4	4	6	6	6	6	5	5	5	4	4	4	2	2				
	Gradient	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
	Distance	12	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr			
Facade Noise Levels dB(A)		80.2	81.7	81.7	81.8	82.6	82.0	81.9	82.8	82.6	82.2	81.9	81.8	81.0	79.0	77.3	77.0	81.4			
HKPSG Exceedances		10.2	11.7	11.7	11.8	12.6	12.0	11.9	12.8	12.6	12.2	11.9	11.8	11.0							

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2001 CTS-3 (815100) MAIN MODEL RUN - Ver 48 (LOW/BUDGET TOLL)

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
3626	LV	823	1,307	1,154	1,145	1,188	1,166	1,137	1,306	1,404	1,278	1,365	1,630	1,919	1,921	1,923	1,924	1,228	1,423	1,438
	HV	824	809	984	1,091	1,106	1,055	1,135	1,073	1,107	1,134	1,085	985	895	747	823	520	799	1,050	955
	SPD	22.5	22.5	22.5	21.0	21.0	21.0	21.0	21.0	21.0	20.0	20.0	20.0	20.0	21.0	21.0	21.0	23	20	21
	total	1647	2116	2138	2235	2294	2221	2272	2379	2511	2412	2450	2615	2814	2668	2546	2445			
	% HV	50	38	46	49	48	47	50	45	44	47	44	38	32	28	24	21			
	BNL	74	75	76	76	76	76	76	76	76	76	76	76	77	76	76	76			
	% HV	6	5	5	6	6	6	6	5	5	6	5	5	4	4	3	3			
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance	10	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			
3635	Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr		
	Facade Noise Levels dB(A)	81.0	81.0	81.8	82.5	82.6	82.4	82.7	82.5	82.6	82.9	82.8	82.4	82.1	81.1	80.4	79.7	82.0		
	HKPSG Exceedances	11.0	11.0	11.8	12.5	12.5	12.4	12.7	12.5	12.6	12.9	12.8	12.4	12.1	11.1	10.4	9.7			
		16	= number of hours exceeded 70 dB(A)																	
	LV	1,253	1,953	1,854	1,561	1,434	1,494	1,578	1,623	1,797	1,630	1,227	1,697	1,874	1,495	1,193	952	1,893	1,309	1,521
	HV	810	875	1,275	1,385	1,388	1,391	1,240	1,523	1,453	1,304	1,135	1,009	806	604	452	338	902	1,111	1,077
	SPD	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29	29	29
	total	2063	2828	3129	2946	2822	2884	2817	3146	3250	2934	2362	2706	2680	2099	1645	1291			
	% HV	39	31	41	47	49	48	44	48	45	44	48	37	30	29	27	26			
	BNL	75	77	77	77	77	77	77	77	77	77	77	77	76	75	74	73			
3636	% HV	4	3	4	5	5	5	4	5	4	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	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
	Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr		
	Facade Noise Levels dB(A)	80.3	80.8	82.3	82.8	82.5	82.6	82.1	83.0	82.8	82.3	81.7	81.3	80.5	79.2	78.0	76.8	81.5		
	HKPSG Exceedances	10.3	10.8	12.3	12.6	12.5	12.6	12.1	13.0	12.8	12.3	11.7	11.3	10.5	9.2	8.0	6.8			
		16	= number of hours exceeded 70 dB(A)																	
	LV	1,504	2,375	2,236	1,863	1,711	1,782	1,883	1,937	2,144	2,072	1,936	2,306	2,236	1,784	1,424	1,136	2,302	2,065	1,815
	HV	1,241	1,378	1,969	2,107	2,112	2,116	1,886	2,318	2,211	1,988	1,738	1,540	1,227	918	688	515	1,421	1,702	1,639
3637	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	20.0	20.5	20.5	19	19	21
	total	2744	3753	4205	3970	3823	3899	3789	4255	4356	4060	3674	3847	3463	2703	2112	1651			
	% HV	45	37	47	53	55	54	50	54	51	49	47	40	35	34	33	31			
	BNL	77	78	78	78	78	78	78	78	78	78	78	78	78	77	75	74			
	% HV	6	5	6	6	6	6	6	6	6	6	6	5	5	5	4	4			
	Gradient	6	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
	Distance	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
	Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr		
	Facade Noise Levels dB(A)	85.1	85.7	87.1	87.3	87.3	87.3	86.8	87.7	87.5	87.2	86.6	86.1	85.2	83.8	82.8	81.4	86.2		
3641	HKPSG Exceedances	15.1	15.7	17.1	17.3	17.3	17.3	16.8	17.7	17.5	17.2	16.8	16.1	15.2	13.8	12.6	11.4			
		16	= number of hours exceeded 70 dB(A)																	
	LV	1,792	1,997	1,606	1,708	1,605	1,663	1,578	1,723	1,782	1,891	2,214	2,309	2,414	2,014	1,921	1,828	1,790	2,158	1,651
	HV	1,064	930	1,514	1,619	1,768	1,531	1,458	1,521	1,651	1,625	1,273	1,306	890	562	575	433	1,034	1,351	1,242
	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	14	18
	total	2856	2927	3121	3327	3373	3194	3034	3244	3434	3516	3487	3615	3264	2576	2496	2281			
	% HV	37	32	49	49	52	48	48	47	48	46	36	36	26	22	23	20			
	BNL	77	77	77	77	77	77	77	77	78	78	78	78	77	76	76	76			
	% HV	5	4	6	6	6	6	6	6	6	5	4	4	4	4	3	3			
	Gradient	6	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
3652	Distance	12	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
	Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr		
	Facade Noise Levels dB(A)	83.6	84.2	84.9	85.5	86.3	85.7	85.6	86.5	86.3	85.7	84.9	85.2	84.6	82.8	81.0	80.7	84.9		
	HKPSG Exceedances	13.6	14.2	14.9	15.5	16.3	15.7	15.6	16.5	16.3	15.7	14.9	15.2	14.6	12.8	11.0	10.7			
		16	= number of hours exceeded 70 dB(A)																	
	LV	338	548	477	466	484	475	463	532	571	551	688	742	781	782	783	783	515	718	585
	HV	507	592	638	639	648	618	665	629	649	661	620	570	524	438	365	305	585	601	560
	SPD	23.3	23.3	23.3	22.3	22.3	22.3	22.3	22.3	22.3	22.0	22.0	22.0	22.0	22.3	22.3	22.3	23	22	22
	total	845	1140	1115	1105	1131	1093	1128	1160	1220	1211	1309	1312	1305	1219	1148	1088			
	% HV	60	52	57	58	57	59	54	53	55	47	43	40	36	32	28				
	BNL	71	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73			
	% HV	6	6	6	6	6	6	6	6	6	6	5	5	4	4	3				
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance	8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
	Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr		
	Facade Noise Levels dB(A)	79.4	80.1	80.4	80.6	80.4	80.8	80.5	80.7	80.8	80.6	80.6	79.9	79.1	78.4	77.7	80.1			
	HKPSG Exceedances	9.4	10.1	10.4	10.6	10.4	10.8	10.5	10.7	10.8	10.6	10.3	9.9	9.1	8.4	7.7				
		16	= number of hours exceeded 70 dB(A)																	

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2001 CTS-3 (815100) MAIN MODEL RUN - Ver 48 (LOW/BUDGET TOLL)

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	
3806	LV	2,410	2,723	2,596	2,469	2,454	2,330	2,205	2,583	2,663	2,653	2,543	3,271	3,140	2,508	2,004	1,600				
	HV	1,728	2,343	2,792	3,318	3,272	2,996	2,804	3,177	3,475	3,135	2,498	2,470	1,840	1,282	893	623	2,431	2,528	2,518	
	SPD	67.0	67.0	67.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	2,350	2,447	2,420	
	total	4136	5066	5388	5787	5727	5326	5010	5780	6138	5788	5041	5742	4980	3790	2897	2223	67	65	65	
	% HV	42	46	52	57	57	56	56	55	57	54	50	43	37	34	31	28				
	BNL	78	79	80	80	80	79	79	80	80	80	79	80	79	78	77	76				
	% HV	5	5	6	6	6	6	6	6	6	6	5	5	4	4	4	4				
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	Distance	20	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2			
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr			
Facade Noise Levels dB(A)		82.2	83.4	84.1	84.7	84.6	84.2	83.9	84.5	84.9	84.5	83.5	83.6	82.5	81.0	79.6	78.2	83.4			
HKPSG Exceedances		12.2	13.4	14.1	14.7	14.6	14.2	13.9	14.5	14.9	14.5	13.5	13.8	12.5	11.0	9.6	8.2				
		16	= number of hours exceeded 70 dB(A)																		
3807	LV	1,801	2,027	1,777	1,502	1,473	1,597	1,397	1,725	1,519	1,592	1,912	2,338	2,183	1,724	1,362	1,078	1,904	1,899	1,628	
	HV	1,074	1,078	1,358	1,646	1,779	1,620	1,712	1,745	1,531	1,579	1,262	957	678	487	350	251	1,140	1,213	1,199	
	SPD	22.0	22.0	22.0	23.0	23.0	23.0	23.0	23.0	23.0	20.0	20.0	20.0	20.0	23.0	23.0	23.0	22	19	23	
	total	2874	3103	3135	3148	3252	3217	3109	3471	3051	3171	3174	3294	2861	2212	1712	1328				
	% HV	37	35	43	52	55	50	55	50	50	50	40	29	24	22	20	19				
	BNL	77	77	77	77	77	77	77	78	77	77	77	77	77	76	75	73				
	% HV	5	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				
	Distance	20	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2			
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr			
Facade Noise Levels dB(A)		80.0	80.0	80.9	81.5	81.8	81.5	81.7	81.8	81.2	82.0	81.1	80.0	78.6	76.7	75.3	73.9	80.4			
HKPSG Exceedances		10.0	10.0	10.9	11.5	11.8	11.5	11.7	11.8	11.2	12.0	11.1	10.0	8.6	6.7	5.3	3.9				
		16	= number of hours exceeded 70 dB(A)																		
3814	LV	1,557	1,450	1,450	1,371	1,345	1,458	1,275	1,575	1,387	1,455	1,758	2,141	1,992	1,574	1,243	982	1,362	1,746	1,486	
	HV	845	617	804	1,003	1,084	988	1,044	1,084	934	983	837	608	413	297	213	153	653	804	731	
	SPD	21.5	21.5	21.5	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	22	21	22	
	total	2203	2066	2254	2374	2445	2319	2639	2320	2439	2595	2749	2406	1871	1457	1136					
	% HV	29	30	38	42	45	40	45	40	40	40	32	22	17	16	15	13				
	BNL	76	75	76	76	76	76	76	76	76	76	76	77	76	75	74	73				
	% HV	4	4	5	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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr			
Facade Noise Levels dB(A)		79.8	79.6	80.6	81.4	81.7	81.4	81.6	81.7	81.1	81.7	81.1	79.9	78.4	76.8	75.4	74.1	80.3			
HKPSG Exceedances		9.8	9.6	10.6	11.4	11.7	11.4	11.6	11.7	11.1	11.7	11.1	9.9	8.4	6.8	5.4	4.1				
		16	= number of hours exceeded 70 dB(A)																		
3816	LV	1,997	2,358	2,555	2,481	2,537	2,451	2,444	2,665	2,700	2,676	2,534	2,754	2,930	2,533	2,656	2,693	2,289	2,554	2,607	
	HV	830	1,078	1,195	1,484	1,385	1,475	1,352	1,291	1,327	1,311	1,203	1,312	1,185	954	831	788	1,012	1,206	1,208	
	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	14	13	
	total	2827	3437	3749	3964	3922	3926	3797	3856	4027	3987	3737	4066	4115	3587	3486	3462				
	% HV	29	31	32	37	35	38	36	33	33	33	32	32	29	27	24	22				
	BNL	77	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78				
	% HV	4	4	4	5	5	5	5	4	5	5	4	4	4	4	3	3				
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	Distance	5	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2				
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr			
Facade Noise Levels dB(A)		83.8	84.9	85.3	86.2	85.9	86.2	85.8	85.7	85.8	85.7	85.4	85.7	85.4	84.5	83.9	83.6	85.3			
HKPSG Exceedances		13.8	14.9	15.3	16.2	15.9	16.2	15.8	15.7	15.8	15.7	15.4	15.7	15.4	14.5	13.9	13.6				
		16	= number of hours exceeded 70 dB(A)																		
3818	LV	684	1,345	1,534	1,252	1,245	1,329	1,216	1,392	1,343	1,202	1,281	1,544	1,715	1,509	1,473	1,369	1,226	1,278	1,364	
	HV	595	1,033	1,117	1,224	1,188	1,130	1,014	1,208	1,327	1,196	942	944	697	581	469	437	1,007	957	933	
	SPD	21.5	21.5	21.5	23.0	23.0	23.0	23.0	23.0	23.0	22.0	22.0	22.0	22.0	23.0	23.0	23.0	22	22	23	
	total	1279	2378	2652	2476	2433	2459	2229	2598	2671	2397	2223	2488	2412	2090	1942	1806				
	% HV	47	43	42	49	49	46	45	46	50	50	42	38	29	28	24	24				
	BNL	73	76	76	76	76	76	76	76	76	76	76	76	76	75	75	75				
	% HV	6	5	5	6	6	6	6	6	6	6	5	5	4	3	3	3				
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	Distance	12	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr			
Facade Noise Levels dB(A)		79.2	81.6	82.0	82.1	81.9	81.7	81.3	82.0	82.4	82.1	81.1	81.2	80.0	79.1	78.3	77.9	81.1			
HKPSG Exceedances		9.2	11.6	12.0	12.1	11.9	11.7	11.3	12.0	12.4	12.1	11.1	11.2	10.0	9.1	8.3	7.9				
		16	= number of hours exceeded 70 dB(A)																		
3820	LV	766	1,385	1,127	1,011	1,049	1,030	1,004	1,153	1,240	1,155	1,320	1,507	1,685	1,696	1,698	1,699	1,301	1,376	1,268	
	HV	874	935	1,070	1,130	1,145															

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2001 CTS-3 (815100) MAIN MODEL RUN - Ver 48 (LOW/BUDGET TOLL)

2001 CTS-3 (815100) MAIN MODEL RUN - Ver 48 (LOW/BUDGET TOLL)																						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							
3828	LV	1,253	1,933	1,854	1,581	1,434	1,494	1,578	1,623	1,797	1,630	1,227	1,697	1,874	1,495	1,193	952	1,893	1,309	1,521				
	HV	810	875	1,275	1,385	1,388	1,391	1,240	1,523	1,453	1,304	1,135	1,009	806	604	452	338	902	1,111	1,077				
	SPD	20.0	20.0	20.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	19	21	21				
	total	2063	2828	3129	2946	2922	2884	2817	3148	3250	2934	2362	2708	2680	2099	1645	1291							
	% HV	39	31	41	47	49	48	44	48	45	44	48	37	30	29	27	26							
	BNL	75	77	77	77	77	77	77	77	77	77	76	76	76	75	74	73							
	% HV	5	4	5	6	6	6	5	6	5	5	6	5	4	4	4	3							
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
	Distance	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	Average Level over 16 hr					
Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	82.5						
Facade Noise Levels dB(A)		81.5	82.0	83.5	83.6	83.6	83.6	83.1	84.0	83.8	83.3	82.7	82.3	81.4	80.2	79.0	77.7							
HKPSG Exceedances		11.5	12.0	13.5	13.6	13.6	13.6	13.1	14.0	13.8	13.3	12.7	12.3	11.4	10.2	9.0	7.7							
		18 = number of hours exceeded 70 dB(A)																						
3829	LV	1,504	2,375	2,236	1,663	1,711	1,782	1,883	1,937	2,144	2,072	1,936	2,306	2,236	1,784	1,424	1,136	2,302	2,065	1,815				
	HV	1,241	1,378	1,989	2,107	2,112	2,116	1,886	2,318	2,211	1,988	1,738	1,540	1,227	918	688	515	1,421	1,702	1,639				
	SPD	20.0	20.0	20.0	20.5	20.5	20.5	20.5	20.5	20.0	20.0	20.0	20.0	20.0	20.5	20.5	20.5	19	19	21				
	total	2744	3753	4205	3970	3823	3899	3769	4255	4356	4060	3674	3847	3463	2703	2112	1651							
	% HV	45	37	47	53	55	54	50	54	51	49	47	40	35	34	33	31							
	BNL	77	78	78	78	78	78	78	78	79	78	78	78	78	77	75	74							
	% HV	6	5	6	6	6	6	6	6	6	6	5	5	5	4	4	4							
	Gradient	6	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2							
	Distance	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	Average Level over 16 hr					
Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	86.2						
Facade Noise Levels dB(A)		85.1	85.7	87.1	87.3	87.3	87.3	86.8	87.7	87.5	87.2	86.6	86.1	85.2	83.8	82.6	81.4							
HKPSG Exceedances		15.1	15.7	17.1	17.3	17.3	17.3	16.8	17.7	17.5	17.2	16.6	16.1	15.2	13.8	12.6	11.4							
		16 = number of hours exceeded 70 dB(A)																						
3830	LV	1,778	1,972	1,592	1,698	1,596	1,653	1,568	1,713	1,772	1,882	2,209	2,300	2,400	2,002	1,910	1,817	1,768	2,153	1,840				
	HV	1,027	887	1,457	1,568	1,713	1,482	1,410	1,474	1,800	1,572	1,227	1,262	823	544	557	439	966	1,303	1,203				
	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	15	19				
	total	2806	2859	3049	3266	3308	3136	2978	3186	3371	3454	3436	3562	3223	2547	2467	2256							
	% HV	37	31	48	48	52	47	45	47	46	46	35	35	26	21	23	19							
	BNL	77	77	77	77	77	77	77	77	77	78	78	78	77	76	76	76							
	% HV	5	4	6	6	6	6	6	6	6	6	5	5	4	3	3	3							
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
	Distance	12	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1						
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	Average Level over 16 hr					
Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	82.6						
Facade Noise Levels dB(A)		82.0	81.4	83.4	83.7	84.1	83.5	83.3	83.5	83.8	82.8	82.9	81.2	79.5	79.6	78.7	78.7							
HKPSG Exceedances		12.0	11.4	13.4	13.7	14.1	13.5	13.3	13.5	13.8	13.8	12.8	12.9	11.2	9.5	9.6	8.7							
		16 = number of hours exceeded 70 dB(A)																						
3843	LV	963	1,432	1,332	1,106	1,131	1,093	1,090	1,168	1,203	1,221	1,243	1,286	1,306	1,174	1,184	1,200	1,390	1,253	1,162				
	HV	731	1,041	1,081	1,274	1,189	1,266	1,161	1,108	1,139	1,132	1,060	1,140	1,018	819	713	660	977	1,063	1,037				
	SPD	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	17	17	18				
	total	1694	2473	2413	2379	2320	2358	2250	2296	2342	2353	2302	2426	2323	1993	1697	1860							
	% HV	43	42	45	54	51	54	52	48	49	48	46	47	44	41	38	35							
	BNL	74	76	76	76	76	76	76	76	76	76	76	76	76	75	75	75							
	% HV	6	5	6	6	6	6	6	6	6	6	6	6	6	5	5	5							
	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	84.5						
Facade Noise Levels dB(A)		83.1	84.6	84.8	85.4	85.1	85.4	85.0	84.8	85.0	84.9	84.7	85.0	84.5	83.6	83.0	82.7							
HKPSG Exceedances		13.1	14.6	14.8	15.4	15.1	15.4	15.0	14.8	15.0	14.9	14.7	15.0	14.5	13.6	13.0	12.7							
		16 = number of hours exceeded 70 dB(A)																						
3854	LV	2,070	1,729	1,931	2,084	1,342	1,231	1,133	1,267	1,583	2,085	1,544	2,106	1,796	1,270	1,558	1,483	1,538	1,662	1,649				
	HV	714	1,091	1,078	1,070	1,328	1,158	1,142	1,396	1,324	1,171	1,181	1,087	869	563	348	324	1,065	1,117	962				
	SPD	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	19	18	18				
	total	2784	2820	3008	3154	2671	2389	2275	2662	2908	3256	2725	3193	2665	1833	1906	1808							
	% HV	26	39	36	34	50	48	50	52	46	36	43	34	33	31	18	18							
	BNL	77	77	77	77	76	76	76	76	77	77	77	77	76	75	75	75							
	% HV	4	5	5	5	6	6	6	6	6	5	6	5	4	4	2	2							
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
	Distance	8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1							
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	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	83.1						
Facade Noise Levels dB(A)		81.9	83.5	83.5	83.5	84.3	83.7	83.6	84.5	84.3	83.9	83.8	83.6	82.6	80.8	78.0	78.7							
HKPSG Exceedances		11.9	13.5	13.5	13.5	14.3	13.7	13.6	14.5	14.3	13.9	13.8	13.8	12.6	10.8	9.0	8.7							
		16 = number of hours exceeded 70 dB(A)																						
3893	LV	1,347	1,136	1,221	1,214	1,191	1,291	1,129	1,395	1,228	1,206	1,104	1,844	1,765	1,394	1,101	870	1						

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2001 CTS-3 (815100) MAIN MODEL RUN - Ver 48 (LOW/BUDGET TOLL)

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	1,096	1,682	1,484	1,410	1,244	1,441	1,353	1,448	1,412	1,369	1,261	1,694	1,494	1,283	1,067	902	1,497	1,313	1,336
	HV	602	841	1,017	1,285	1,271	1,142	1,206	1,181	1,155	1,239	998	916	598	502	421	354	814	971	928
	SPD	61.0	61.0	61.0	62.0	62.0	62.0	62.0	62.0	62.0	60.2	60.2	60.2	60.2	62.0	62.0	62.0	61	60	62
	total	1698	2523	2502	2695	2515	2583	2559	2629	2567	2608	2259	2610	2092	1765	1489	1256			
	% HV	35	33	41	48	51	44	47	45	45	48	44	36	29	28	28	28			
	BNL	74	76	76	77	76	76	76	76	76	76	76	76	75	75	74	73			
	% HV	4	4	5	5	5	5	5	5	5	5	5	4	4	4	4	4			
	Gradient	3	Gradient	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
	Distance	10	Distance	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	Average Level over 16 hr		
4003	LV	3,015	3,207	2,987	2,893	1,863	1,708	1,573	1,758	2,198	2,998	2,510	3,144	2,493	1,763	2,162	2,059	2,853	2,701	2,289
	HV	1,960	2,291	2,711	3,200	3,974	3,464	3,416	4,175	3,962	3,354	2,871	2,965	2,601	1,583	1,041	971	2,236	2,716	2,878
	SPD	60.5	60.5	60.5	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	61	58	58
	total	4975	5499	5699	6093	5837	5173	4989	5933	6160	6352	5381	6110	5094	3446	3203	3030			
	% HV	39	42	46	53	68	67	68	70	64	53	49	51	49	33	32	32			
	BNL	79	80	80	80	80	79	79	80	80	80	80	80	79	78	77	77			
	% HV	5	5	5	6	6	6	7	7	6	6	6	5	5	4	4	4			
	Gradient	6	Gradient	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
	Distance	25	Distance	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3			
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	Average Level over 16 hr		
4011	LV	958	1,306	1,253	1,273	1,123	1,301	1,221	1,307	1,274	1,244	1,179	1,553	1,348	1,139	963	814	1,162	1,228	1,206
	HV	313	404	517	682	675	606	641	627	614	665	556	498	318	267	224	188	391	541	493
	SPD	40.0	40.0	40.0	39.0	39.0	39.0	39.0	39.0	39.0	37.5	37.5	37.5	37.5	39.0	39.0	39.0	40	38	39
	total	1271	1710	1770	1955	1798	1907	1862	1934	1888	1910	1735	2051	1666	1406	1187	1002			
	% HV	25	24	29	35	38	32	34	32	32	35	32	24	19	19	19	19			
	BNL	73	75	75	75	75	75	75	75	75	75	75	75	74	74	73	72			
	% HV	2	2	3	3	4	3	3	3	3	3	3	2	1	1	1	1			
	Gradient	3	Gradient	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
	Distance	10	Distance	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	Average Level over 16 hr		
4012	LV	1,188	1,099	1,105	1,048	1,028	1,114	975	1,204	1,060	1,096	1,252	1,585	1,523	1,203	951	751	1,032	1,243	1,136
	HV	733	818	879	1,179	1,274	1,161	1,226	1,250	1,097	1,086	755	630	486	349	251	180	655	726	859
	SPD	42.0	42.0	42.0	38.5	38.5	38.5	38.5	38.5	38.5	39.0	39.0	39.0	39.0	39.0	38.5	38.5	42	39	39
	total	1921	1717	1984	2227	2302	2275	2201	2454	2157	2181	2007	2215	2009	1552	1201	931			
	% HV	38	36	44	53	55	51	56	51	51	50	38	28	24	22	21	19			
	BNL	75	75	75	76	76	76	76	76	76	76	75	76	75	74	73	72			
	% HV	4	4	5	5	5	5	5	5	5	5	4	3	2	2	2	1			
	Gradient	0	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance	12	Distance	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	Average Level over 16 hr		
4014	LV	1,542	2,055	2,052	1,843	1,885	1,821	1,816	1,980	2,006	2,019	2,009	2,112	2,177	1,956	1,973	2,001	1,995	2,025	1,937
	HV	599	849	885	1,045	978	1,039	953	909	935	940	914	958	835	672	585	541	797	915	851
	SPD	23.5	23.5	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24	24	24
	total	2141	2905	2937	2888	2861	2860	2769	2889	2941	2959	2923	3070	3012	2629	2568	2542			
	% HV	28	29	30	36	34	36	34	31	32	32	31	31	28	26	23	21			
	BNL	76	77	77	77	77	77	77	77	77	77	77	77	77	76	76	76			
	% HV	3	3	4	4	4	4	4	4	4	4	4	4	3	3	2	2			
	Gradient	8	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	Average Level over 16 hr		
4016	LV	684	1,345	1,534	1,252	1,245	1,329	1,216	1,392	1,343	1,202	1,281	1,544	1,715	1,509	1,473	1,369	1,226	1,278	1,364
	HV	595	1,033	1,117	1,224	1,188	1,130	1,014	1,206	1,327	1,196	942	944	897	581	469	437	1,007	957	933
	SPD	21.5	21.5	21.5	23.0	23.0	23.0	23.0	23.0	23.0	22.0	22.0	22.0	22.0	23.0	23.0	23.0	22	22	23
	total	1279	2378	2652	2476	2433	2459	2229	2598	2671	2397	2223	2488	2412	2090	1942	1806			
	% HV	47	43	42	49	49	46	45	46	50	50	42	38	29	28	24	24			
	BNL	73	76	76	76	76	76	76	76	76	76	76	76	76	75	75	75			
	% HV	6	5	5	6	5	5	5	5	6	6	5	5	4	3	3	3			
	Gradient	0	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance	12	Distance	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	Average Level over 16 hr		

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2001 CTS-3 (815100) MAIN MODEL RUN - Ver 48 (LOW/BUDGET TOLL)

		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			
4018	LV	765	1,283	1,094	1,042	1,081	1,062	1,035	1,189	1,278	1,131	1,102	1,401	1,747	1,748	1,750	1,752	1,205	1,149	1,307			
	HV	857	842	1,024	1,134	1,150	1,097	1,180	1,115	1,151	1,152	1,019	976	930	777	648	541	831	986	993			
	SPD	24.5	24.5	24.5	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	25	24	24			
	total	1622	2124	2118	2176	2231	2159	2215	2304	2429	2282	2121	2376	2677	2525	2398	2292						
	% HV	53	40	48	52	52	51	53	48	47	50	48	41	35	31	27	24						
	BNL	74	75	75	76	76	76	76	76	76	76	75	75	76	76	76	76						
	% HV	6	4	5	6	6	5	6	5	5	5	5	4	4	3	3							
	Gradient 0	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
	Distance 10	Distance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
	Surface 1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0					
Angle 160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr					
Facade Noise Levels dB(A)		80.9	80.9	81.7	82.1	82.2	82.0	82.3	82.1	82.2	82.2	81.7	81.6	81.5	80.8	80.0	79.4	81.6					
HKPSG Exceedances		10.9	10.9	11.7	12.1	12.2	12.0	12.3	12.1	12.2	12.2	11.7	11.6	11.5	10.8	10.0	9.4						
		16 = number of hours exceeded 70 dB(A)																					
4024	LV	1,245	1,931	1,839	1,553	1,427	1,486	1,569	1,615	1,788	1,622	1,222	1,689	1,664	1,488	1,167	947	1,872	1,304	1,513			
	HV	777	828	1,219	1,333	1,336	1,339	1,194	1,467	1,399	1,253	1,085	958	776	581	435	326	854	1,062	1,037			
	SPD	25.0	25.0	25.0	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	25	26	26			
	total	2022	2759	3057	2886	2763	2825	2763	3081	3187	2875	2307	2657	2640	2069	1622	1273						
	% HV	38	30	40	46	48	47	43	48	44	44	47	36	29	28	27	25						
	BNL	75	77	77	77	77	77	77	77	77	77	77	76	76	76	75	74						
	% HV	4	3	4	5	5	5	5	5	5	5	5	4	3	3	3							
	Gradient 0	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
	Distance 10	Distance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
	Surface 1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0					
Angle 160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr					
Facade Noise Levels dB(A)		80.5	80.9	82.4	82.7	82.6	82.7	82.2	83.1	82.9	82.4	81.7	81.4	80.5	79.3	78.1	76.9	81.6					
HKPSG Exceedances		10.5	10.9	12.4	12.7	12.6	12.7	12.2	13.1	12.9	12.4	11.7	11.4	10.5	9.3	8.1	6.9						
		16 = number of hours exceeded 70 dB(A)																					
4026	LV	1,158	1,325	1,047	1,095	1,029	1,066	1,012	1,105	1,143	1,243	1,568	1,555	1,548	1,292	1,232	1,172	1,188	1,528	1,187			
	HV	734	857	1,051	1,109	1,212	1,049	998	1,042	1,131	1,094	813	864	582	385	394	310	730	863	851			
	SPD	24.0	24.0	24.0	23.0	23.0	23.0	23.0	23.0	23.0	22.0	22.0	22.0	22.0	23.0	23.0	23.0	24	22	23			
	total	1892	1982	2098	2205	2241	2115	2009	2147	2275	2337	2381	2419	2131	1677	1626	1482						
	% HV	39	33	50	50	54	50	50	49	50	47	34	36	27	23	24	21						
	BNL	75	75	75	76	76	75	75	76	76	76	76	76	75	75	74	74						
	% HV	4	4	5	6	6	6	6	5	6	5	4	4	3	3	3	2						
	Gradient 0	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					
Angle 160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr					
Facade Noise Levels dB(A)		79.8	79.4	81.2	81.6	82.0	81.4	81.2	81.4	81.7	81.8	80.6	80.8	79.3	77.4	77.5	76.6	80.5					
HKPSG Exceedances		9.8	9.4	11.2	11.6	12.0	11.4	11.2	11.4	11.7	11.8	10.6	10.8	9.3	7.4	7.5	6.6						
		16 = number of hours exceeded 70 dB(A)																					
4028	LV	1,226	1,459	1,209	870	768	872	798	834	843	880	1,017	1,090	1,235	1,010	825	675	1,325	984	924			
	HV	816	555	744	700	732	705	734	721	854	750	742	665	644	457	324	230	584	693	664			
	SPD	40.5	40.5	40.5	42.0	42.0	42.0	42.0	42.0	42.0	40.5	40.5	40.5	40.5	42.0	42.0	42.0	41	41	42			
	total	2041	2014	1953	1570	1500	1577	1532	1554	1698	1610	1760	1755	1879	1467	1150	905						
	% HV	40	28	38	45	49	45	48	46	50	47	42	38	34	31	28	25						
	BNL	75	75	75	74	74	74	74	74	74	74	75	75	75	74	73	72						
	% HV	4	3	4	4	5	4	5	4	5	4	4	4	3	3	3	2						
	Gradient 3	Gradient	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1						
	Distance 10	Distance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
	Surface 1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0					
Angle 160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr					
Facade Noise Levels dB(A)		81.1	79.7	80.7	80.3	80.5	80.4	80.5	80.4	81.1	80.6	80.5	80.2	80.2	78.8	77.4	76.0	80.1					
HKPSG Exceedances		11.1	9.7	10.7	10.3	10.5	10.4	10.5	10.4	11.1	10.8	10.6	10.2	10.2	8.8	7.4	6.0						
		16 = number of hours exceeded 70 dB(A)																					
4054	LV	2,013	1,761	1,898	2,011	1,295	1,187	1,093	1,222	1,528	2,011	1,486	2,030	1,733	1,226	1,503	1,431	1,567	1,599	1,591			
	HV	822	1,249	1,238	1,234	1,533	1,336	1,317	1,610	1,528	1,341	1,318	1,235	1,003	848	402	374	1,219	1,247	1,110			
	SPD	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	17	18	18			
	total	2835	3011	3137	3245	2828	2524	2411	2832	3058	3352	2804	3264	2736	1875	1904	1805						
	% HV	29	41	39	38	54	53	55	57	50	40	47	38	37	35	21	21						
	BNL	77	77	77	77	77	76	76	76	76	77	77	77	77	77	76	75						
	% HV	4	5	5	5	6	6	7	7	6	5	6	5	5	5	3	3						
	Gradient 3	Gradient	1	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	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					
Angle 160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr					
Facade Noise Levels dB(A)		83.3	85.0	85.0	85.0	85.8	85.2	85.1	86.0	85.8	85.3	85.2	85.0	84.1	82.2	80.4	80.1	84.6					
HKPSG Exceedances		13.3	15.0	15.0	15.0	15.8	15.2	15.1	16.0	15.8	15.3	15.2	15.0	14.1	12.2	10.4	10.1						
		16 = number of hours exceeded 70 dB(A)																					
4201	LV	2,683	3,313	1,837	1,482	1,347	1,280	1,425	1,553	1,686													

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2001 CTS-3 (815100) MAIN MODEL RUN - Ver 48 (LOW/BUDGET TOLL)

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	Model Output			
																		AM	PM	QP	
4203	LV	1,173	1,946	1,776	1,425	1,309	1,363	1,440	1,481	1,640	1,500	1,168	1,577	1,710	1,365	1,089	869	1,886	1,246	1,388	
	HV	715	728	1,107	1,240	1,242	1,245	1,110	1,363	1,301	1,159	887	891	721	540	404	303	751	967	964	
	SPD	22.0	22.0	22.0	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	22	17	16	
	total	1888	2674	2883	2664	2551	2608	2549	2845	2940	2660	2155	2468	2431	1905	1494	1172				
	% HV	38	27	38	47	49	48	44	48	44	44	46	36	30	28	27	26				
	BNL	75	76	77	76	76	76	76	77	77	76	76	76	76	75	74	73				
	% HV	5	3	5	6	6	6	6	6	6	6	6	5	4	4	4	4				
Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Distance	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0				
Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5				
Facade Noise Levels dB(A)		80.6	80.9	82.5	83.3	83.3	83.3	82.9	83.7	83.6	83.1	82.3	82.0	81.2	79.9	78.7	77.5	Average Level over 16 hr			
HKPSG Exceedances		10.6	10.9	12.5	13.3	13.3	13.3	12.9	13.7	13.6	13.1	12.3	12.0	11.2	9.9	8.7	7.5	82.1			
		16	= number of hours exceeded 70 dB(A)																		
4204	LV	1,591	2,223	2,152	1,870	1,913	1,848	1,843	2,009	2,036	2,046	2,025	2,136	2,209	1,985	2,002	2,031	2,158	2,041	1,966	
	HV	750	981	1,082	1,338	1,250	1,330	1,220	1,184	1,197	1,199	1,150	1,216	1,069	861	749	693	921	1,153	1,090	
	SPD	20.5	20.5	20.5	20.3	20.3	20.3	20.3	20.3	20.3	20.0	20.0	20.0	20.0	20.3	20.3	20.3	21	20	20	
	total	2341	3204	3233	3209	3162	3178	3063	3174	3233	3245	3174	3352	3278	2846	2752	2724				
	% HV	32	31	33	42	40	42	40	37	37	37	36	36	33	30	27	25				
	BNL	76	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77				
	% HV	4	4	4	5	5	5	5	5	5	5	5	5	4	4	4	3				
Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Distance	5	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2				
Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0				
Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5				
Facade Noise Levels dB(A)		83.2	84.4	84.8	85.6	85.4	85.6	85.2	85.1	85.2	85.3	85.1	85.4	84.8	83.9	83.3	83.0	Average Level over 16 hr			
HKPSG Exceedances		13.2	14.4	14.8	15.6	15.4	15.6	15.2	15.1	15.2	15.3	15.1	15.4	14.8	13.9	13.3	13.0	84.8			
		16	= number of hours exceeded 70 dB(A)																		
4205	LV	1,222	1,470	1,544	1,671	1,475	1,709	1,604	1,717	1,674	1,598	1,388	1,944	1,770	1,497	1,265	1,070	1,308	1,445	1,584	
	HV	462	633	777	992	982	882	932	912	892	938	699	677	462	388	328	273	613	681	717	
	SPD	29.0	29.0	29.0	21.0	21.0	21.0	21.0	21.0	21.0	23.5	23.5	23.5	23.5	21.0	21.0	21.0	29	24	21	
	total	1685	2104	2322	2864	2456	2590	2535	2629	2566	2535	2087	2622	2232	1884	1591	1343				
	% HV	27	30	33	37	40	34	37	35	35	37	34	26	21	21	20	20				
	BNL	74	75	76	76	76	78	76	76	76	76	75	76	76	75	74	73				
	% HV	3	3	3	5	5	4	5	5	5	4	4	3	2	3	3	3				
Gradient	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
Distance	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0				
Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5				
Facade Noise Levels dB(A)		79.0	80.3	81.1	83.1	83.0	82.7	82.9	82.8	82.7	82.4	81.2	81.2	79.7	79.4	78.6	77.9	Average Level over 16 hr			
HKPSG Exceedances		9.0	10.3	11.1	13.1	13.0	12.7	12.9	12.8	12.7	12.4	11.2	11.2	9.7	9.4	8.6	7.9	81.4			
		16	= number of hours exceeded 70 dB(A)																		
4208	LV	3,327	4,253	3,788	3,127	3,443	3,544	3,544	3,708	3,566	3,362	3,586	3,636	4,443	3,929	3,983	3,847	4,181	3,518	3,649	
	HV	2,309	2,451	2,777	2,794	2,923	3,258	3,115	3,150	3,195	3,131	2,610	2,562	1,760	1,502	1,168	1,039	2,572	2,592	2,459	
	SPD	34.0	34.0	34.0	37.0	37.0	37.0	37.0	37.0	37.0	36.0	36.0	36.0	36.0	37.0	37.0	37.0	34	36	37	
	total	5636	6714	6565	5921	6366	6802	6859	6858	6761	6494	6195	6196	6203	5432	5171	4887				
	% HV	41	37	42	47	46	48	47	46	47	48	42	41	28	28	23	21				
	BNL	80	80	80	80	80	81	80	81	81	80	80	80	80	80	79	79				
	% HV	4	4	4	4	4	5	4	4	4	5	4	4	3	3	2	2				
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)		84.9	85.3	85.7	85.7	85.9	86.3	86.1	86.2	86.2	86.1	85.4	85.4	84.0	83.4	82.5	82.0	Average Level over 16 hr			
HKPSG Exceedances		14.9	15.3	15.7	15.7	15.9	16.3	16.1	16.2	16.2	16.1	15.4	15.4	14.0	13.4	12.5	12.0	85.3			
		16	= number of hours exceeded 70 dB(A)																		
4212	LV	969	984	1,107	1,114	1,157	1,225	1,144	1,225	1,199	1,269	1,147	1,314	1,361	1,153	977	828	957	1,127	1,162	
	HV	907	961	1,104	1,194	1,183	1,259	1,201	1,181	1,294	1,166	1,003	977	839	598	426	304	1,004	965	972	
	SPD	22.0	22.0	22.0	22.5	22.5	22.5	22.5	22.5	22.5	23.0	23.0	23.0	23.0	22.5	22.5	22.5	22	23	23	
	total	1876	1945	2211	2308	2340	2483	2345	2405	2493	2434	2150	2290	2199	1751	1403	1132				
	% HV	48	49	50	52	51	51	49	52	48	47	43	38	34	30	27					
	BNL	75	75	76	76	76	76	76	76	76	76	76	76	76	75	74	73				
	% HV	6	6	6	6	6	6	6	6	6	5	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	12	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1				
Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0				
Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5				
Facade Noise Levels dB(A)		80.9	81.2	81.8	82.0	82.0	82.2	82.0	82.0	82.4	81.9	81.2	81.1	80.5	79.2	77.8	76.4	Average Level over 16 hr			
HKPSG Exceedances		10.9	11.2	11.8	12.0	12.0	12.2	12.0	12.0	12.4	11.9	11.2	11.1	10.5	9.2	7.8	6.4	81.2			
		16	= number of hours exceeded 70 dB(A)																		
4213	LV	2,919	4,469																		

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2001 CTS-3 (815100) MAIN MODEL RUN - Ver 48 (LOW/BUDGET TOLL)

Stn.		Hour Start / 2-way Hourly Traffic Volume (veh.) or Speed (km/hr)																Model Output		
		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	AM	PM	OP
4214	LV	2,877	2,761	2,703	2,513	2,465	2,672	2,338	2,887	2,542	2,605	2,879	3,733	3,652	2,885	2,279	1,801	2,594	2,859	2,724
	HV	1,269	1,150	1,555	2,004	2,166	1,973	2,084	2,125	1,865	1,929	1,558	1,173	826	593	426	306	1,218	1,497	1,460
	SPD	58.3	58.3	58.3	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	58	58	58
	total	4145	3911	4258	4517	4631	4645	4422	5012	4407	4534	4436	4906	4478	3478	2705	2107			
	% HV	31	29	37	44	47	42	47	42	42	43	35	24	18	17	16	15			
	BNL	78	78	78	79	79	79	79	79	79	79	79	79	79	78	77	75			
	% HV	4	4	4	5	5	5	5	5	5	5	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	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
4217	LV	2,692	2,971	2,596	1,954	1,725	1,958	1,792	1,873	1,893	1,928	2,265	2,437	2,774	2,287	1,853	1,515	2,698	2,191	2,075
	HV	1,684	1,220	1,561	1,424	1,490	1,436	1,494	1,466	1,739	1,518	1,476	1,339	1,311	930	660	468	1,239	1,378	1,331
	SPD	33.0	33.0	33.0	36.3	36.3	36.3	36.3	36.3	36.3	35.5	35.5	35.5	35.5	35.5	35.5	35.5	33	36	38
	total	4376	4190	4156	3378	3215	3394	3286	3339	3632	3446	3742	3777	4085	3198	2514	1983			
	% HV	38	29	38	42	46	42	45	44	48	44	38	35	32	29	26	24			
	BNL	79	78	78	77	77	78	77	77	78	78	78	78	78	77	76	75			
	% HV	4	3	4	4	4	4	4	4	5	4	4	3	3	3	2	2			
	Gradient	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6			
	Distance	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10			
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
5001	LV	3,189	2,747	2,065	1,947	1,740	1,915	1,725	1,680	1,760	2,211	2,371	3,794	3,455	2,755	2,196	1,751	2,438	2,463	2,298
	HV	1,786	2,289	2,885	3,112	3,244	2,883	2,893	3,450	3,601	3,339	2,448	2,359	1,932	1,355	951	667	2,267	2,344	2,474
	SPD	37.5	37.5	37.5	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	38	37	37
	total	4975	5036	4949	5059	4984	4988	4818	5130	5361	5550	4819	6154	5387	4110	3147	2418			
	% HV	36	45	58	62	65	58	63	67	67	60	51	38	36	33	30	28			
	BNL	79	79	79	79	79	79	79	79	79	80	79	80	80	78	77	76			
	% HV	3	4	5	5	6	5	6	6	6	5	5	4	3	3	3	3			
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50			
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
5002	LV	4,330	3,165	2,582	2,388	2,392	2,300	2,295	2,612	2,374	2,781	2,802	3,995	3,806	2,811	2,076	1,534	2,870	2,808	2,743
	HV	1,594	1,528	1,960	2,503	2,446	2,132	2,094	2,327	2,651	2,403	1,963	2,053	1,978	1,234	789	480	1,517	1,942	1,925
	SPD	65.2	65.2	65.2	58.3	58.3	58.3	58.3	58.3	58.3	60.3	60.3	60.3	60.3	58.3	58.3	58.3	65	60	58
	total	5925	4693	4542	4891	4838	4432	4389	4940	5025	5184	4765	6048	5784	4045	2846	2013			
	% HV	27	33	43	51	51	48	48	47	53	47	41	34	34	30	27	24			
	BNL	80	79	79	79	79	79	79	79	79	79	79	80	80	78	77	75			
	% HV	4	4	5	5	5	5	5	5	5	5	5	4	4	4	3	3			
	Gradient	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3			
	Distance	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			
5003	LV	2,380	2,385	1,687	1,441	1,430	1,417	1,430	1,423	1,581	1,550	1,905	2,449	2,081	1,633	1,281	1,005	2,167	1,865	1,600
	HV	1,250	1,288	1,581	2,470	2,371	1,911	1,885	1,985	1,876	1,786	1,820	1,594	1,440	1,136	897	708	1,251	1,722	1,662
	SPD	85.5	85.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.0	84.0	84.0	84.0	84.5	84.5	84.5	86	84	85
	total	3629	3673	3269	3912	3801	3328	3315	3388	3436	3336	3725	4043	3521	2769	2177	1712			
	% HV	34	35	48	63	62	57	57	58	55	54	49	39	41	41	41	41			
	BNL	78	78	77	78	78	77	77	77	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	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3			
	Distance	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43			
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
5005	LV	1,134	1,122	775	619	521	557	497	590	588	587	782	1,080	1,067	980	899	825	974	792	761
	HV	394	323	327	386	360	309	290	254	305	301	319	279	241	187	144	112	308	303	277
	SPD	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50	50	50
	total	1527	1444	1103	1006	881	866	787	844	893	888	1101	1359	1309	1168	1044	937			
	% HV	26	22	30	38	41	36	37	30	34	34	29	21	18	16	14	12			
	BNL	74	74	73	72	72	72	71	71	72	72	73	73	73	73	72	72			
	% HV	3	2	3	4	4	4	4	3	4	4	3	2	2	1	1	1			
	Gradient	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3			
	Distance	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12			
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2001 CTS-3 (815100) MAIN MODEL RUN - Ver 48 (LOW/BUDGET TOLL)

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				
5012	LV	5,779	4,486	3,818	4,063	3,463	3,424	3,811	3,881	4,159	4,831	4,990	6,405	6,737	5,378	4,293	3,427							
	HV	2,857	3,187	3,991	4,277	4,458	4,055	4,175	5,316	5,003	4,483	3,559	3,522	2,908	2,307	1,830	1,451	3,952	4,867	4,601				
	SPD	61.5	61.5	61.5	60.5	60.5	60.5	60.5	60.5	60.0	60.0	60.0	60.0	60.0	60.5	60.5	60.5	3,066	3,493	3,672				
	total	8636	7673	7809	8340	7920	7479	7988	9197	9162	9314	8550	9927	9645	7685	6123	4879	62	60	61				
	% HV	33	42	51	51	56	54	52	58	55	48	42	35	30	30	30	30							
	BNL	82	81	81	81	81	81	81	82	82	82	82	82	82	82	81	80							
	% HV	4	5	6	6	6	6	6	6	6	5	5	4	4	4	4	4							
	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)		82.6	82.8	83.6	83.8	83.9	83.5	83.7	84.7	84.4	84.0	83.2	83.3	82.7	81.7	80.7	79.7	Average Level over 16 hr						
HKPSG Exceedances		12.6	12.8	13.6	13.8	13.9	13.5	13.7	14.7	14.4	14.0	13.2	13.3	12.7	11.7	10.7	9.7	83.2						
16		= number of hours exceeded 70 dB(A)																						
5016	LV	740	878	685	569	545	557	431	532	588	558	722	732	876	523	529	496							
	HV	1,568	1,623	2,241	2,701	2,484	1,978	2,449	2,644	2,592	2,537	1,936	2,074	1,537	1,108	799	550	802	679	574				
	SPD	71.8	71.9	71.8	70.0	70.0	70.0	70.0	70.0	70.0	69.0	69.0	69.0	69.0	70.0	70.0	70.0	1,608	1,948	1,960				
	total	2309	2501	2925	3270	3029	2435	2881	3176	3180	3094	2658	2806	2213	1630	1328	1046	72	69	70				
	% HV	68	65	77	83	82	77	85	83	82	82	73	74	69	68	60	53							
	BNL	76	76	77	77	77	76	77	77	77	77	76	77	76	74	73	72							
	% HV	7	7	8	8	8	8	8	8	8	8	7	7	7	7	7	6							
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
	Distance	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1							
	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0							
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)		83.5	83.7	84.9	85.6	85.2	84.1	85.1	85.5	85.4	85.3	84.2	84.5	83.2	81.9	80.5	79.0	Average Level over 16 hr						
HKPSG Exceedances		13.5	13.7	14.9	15.6	15.2	14.1	15.1	15.5	15.4	15.3	14.2	14.5	13.2	11.9	10.5	9.0	84.2						
16		= number of hours exceeded 70 dB(A)																						
5018	LV	1,299	1,362	1,034	719	596	811	647	620	638	770	997	1,252	905	765	647	547							
	HV	844	754	880	1,060	985	861	877	972	983	965	816	807	551	405	293	211	734	804	765				
	SPD	29.5	29.5	29.5	31.0	31.0	31.0	31.0	31.0	31.0	29.5	29.5	29.5	29.5	31.0	31.0	31.0	30	30	31				
	total	2143	2117	1914	1778	1581	1472	1524	1592	1601	1736	1813	2059	1466	1170	940	758							
	% HV	39	36	46	60	62	58	58	61	60	56	45	39	38	35	31	28							
	BNL	76	75	75	75	74	74	74	74	74	75	75	75	74	73	72	71							
	% HV	4	4	5	5	5	5	5	5	5	5	4	4	4	3	3	3							
	Gradient	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2							
	Distance	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1							
	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0							
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)		83.0	82.5	83.1	83.7	83.3	82.8	82.9	83.3	83.2	83.4	82.7	82.8	81.2	79.8	78.4	77.1	Average Level over 16 hr						
HKPSG Exceedances		13.0	12.5	13.1	13.7	13.3	12.8	12.9	13.3	13.2	13.4	12.7	12.8	11.2	9.8	8.4	7.1	82.4						
16		= number of hours exceeded 70 dB(A)																						
5019	LV	1,519	1,533	1,554	1,381	1,175	1,397	1,455	1,179	1,417	1,678	1,651	1,824	1,872	1,605	1,377	1,180							
	HV	1,849	1,751	2,294	2,659	2,825	2,485	2,787	2,586	2,512	2,629	2,302	2,160	1,433	1,274	1,134	1,008	1,469	1,645	1,468				
	SPD	46.0	48.0	48.0	39.5	39.5	39.5	39.5	39.5	39.5	40.0	40.0	40.0	40.0	39.5	39.5	39.5	1,695	2,192	2,143				
	total	3168	3284	3848	4040	4001	3882	4243	3866	3929	4307	3953	3984	3305	2880	2510	2189	46	40	40				
	% HV	52	53	60	66	71	64	66	69	64	61	58	54	43	44	45	46							
	BNL	77	77	78	78	78	78	78	78	78	79	78	78	78	77	77	76							
	% HV	5	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	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)		85.2	85.4	86.5	87.0	87.2	86.7	87.2	87.0	86.8	87.0	86.4	86.2	84.5	84.0	83.5	83.0	Average Level over 16 hr						
HKPSG Exceedances		15.2	15.4	16.5	17.0	17.2	16.7	17.2	17.0	16.8	17.0	16.4	16.2	14.5	14.0	13.5	13.0	86.0						
16		= number of hours exceeded 70 dB(A)																						
5025	LV	1,017	1,033	892	593	530	583	525	512	536	702	888	1,263	1,052	839	669	533							
	HV	801	1,027	1,294	1,396	1,455	1,204	1,298	1,548	1,616	1,549	1,289	1,136	867	608	427	299	917	922	700				
	SPD	83.0	83.0	83.0	84.0	84.0	84.0	84.0	84.0	84.0	81.5	81.5	81.5	81.5	84.0	84.0	84.0	1,017	1,234	1,110				
	total	1818	2060	1986	1990	1985	1787	1824	2060	2152	2251	2176	2399	1919	1447	1096	833	83	82	84				
	% HV	44	50	65	70	73	67	71	75	75	69	59	47	45	42	39	36							
	BNL	75	75	75	75	75	75	75	75	76	76	76	76	75	74	73	71							
	% HV	6	7	8	8	8	8	8	8	8	8	7	7	6	6	6	6							
	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)		78.1	79.0	79.8	80.1	80.2	79.5	79.8	80.5	80.7	80.4	79.7	79.4	78.3	77.0	75.8	74.1	Average Level over 16 hr						
HKPSG Exceedances		8.1	9.0	9.8	10.1	10.2	9.5	9.8	10.5	10.7	10.4	9.7	9.4	8.3	7.0	5.6	4.1	81.4						
16		= number of hours exceeded 70 dB(A)																						
5204	LV	2,114	2,349	1,552	1,236	1,226	1,215	1,226	1,220	1,338	1,328	1,627	2,096	1,785	1,400	1,098	861							
	HV	1,166	1,283	1,503	2,267	2,176	1,754	1,730	1,803	1,721	1,849	1,716	1,482	1,321	1,043	823	649	2,134	1,583	1,372				
	SPD	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	84.0	84.0	84.0	84.0	84.0	85.0	85.0	1,245</						

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2001 CTS-3 (815100) MAIN MODEL RUN - Ver 48 (LOW/BUDGET TOLL)

2001 CTS-3 (815100) MAIN MODEL RUN - Ver 48 (LOW/BUDGET TOLL)																						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							
5206	LV	2,671	2,301	2,525	2,276	1,461	1,377	977	857	1,293	1,287	1,898	2,220	2,627	1,939	1,630	1,532	2,082	1,973	1,742				
	HV	1,865	1,680	2,180	2,315	1,775	1,283	1,746	1,863	1,828	1,721	1,713	2,543	2,010	1,406	1,441	1,529	1,525	1,825	1,843				
	SPD	44.5	44.5	44.5	38.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	45	36	36				
	total	4535	3981	4705	4591	3237	2660	2723	2720	3121	3008	3611	4764	4637	3345	3071	3061							
	% HV	41	42	46	50	55	48	64	88	59	57	47	53	43	42	47	50							
	BNL	79	78	79	79	77	76	77	77	77	77	78	79	79	77	77	77							
	% HV	4	4	5	5	5	5	6	6	5	5	4	5	4	4	4	5							
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
	Distance	12	Distance	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1						
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0						
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr					
Facade Noise Levels dB(A)		83.2	82.8	83.8	83.9	82.7	81.4	82.6	82.8	82.8	82.6	84.3	83.4	81.9	81.9	82.1	82.9							
HKPSG Exceedances		13.2	12.8	13.8	13.9	12.7	11.4	12.6	12.8	12.8	12.6	12.8	14.3	13.4	11.9	11.9	12.1							
		16 = number of hours exceeded 70 dB(A)																						
5207	LV	1,172	1,081	1,127	985	632	596	423	371	560	561	844	975	1,137	839	705	663	978	877	754				
	HV	952	892	1,123	1,174	901	651	886	945	928	877	885	1,301	1,020	713	731	776	810	943	935				
	SPD	35.5	35.5	35.5	34.5	34.5	34.5	34.5	34.5	34.5	32.0	32.0	32.0	32.0	34.5	34.5	34.5	36	32	35				
	total	2124	1973	2250	2159	1533	1247	1309	1316	1487	1438	1729	2276	2157	1553	1437	1439							
	% HV	45	45	50	54	59	52	68	72	62	61	51	57	47	46	51	54							
	BNL	75	75	76	76	74	73	73	73	74	74	75	76	76	74	74	74							
	% HV	4	4	5	5	5	5	6	6	6	6	5	5	5	4	5	5							
	Gradient	3	Gradient	1	1	1	1	1	1	1	1	1	1	1	1	1	1							
	Distance	10	Distance	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0						
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr					
Facade Noise Levels dB(A)		81.6	81.3	82.3	82.4	81.3	79.9	81.1	81.4	81.4	81.2	81.3	82.9	82.0	80.4	80.4	80.6	81.4						
HKPSG Exceedances		11.6	11.3	12.3	12.4	11.3	9.9	11.1	11.4	11.4	11.2	11.3	12.9	12.0	10.4	10.4	10.6							
		16 = number of hours exceeded 70 dB(A)																						
5210	LV	1,590	1,643	1,055	794	795	765	763	868	789	952	1,122	1,437	1,265	935	890	510	1,490	1,123	912				
	HV	886	956	1,126	1,350	1,319	1,150	1,129	1,255	1,430	1,325	1,172	1,180	1,067	665	415	258	949	1,159	1,038				
	SPD	25.0	25.0	25.0	27.0	27.0	27.0	27.0	27.0	27.0	26.0	26.0	26.0	26.0	27.0	27.0	27.0	25	26	27				
	total	2476	2599	2182	2144	2114	1914	1892	2123	2219	2277	2293	2597	2332	1600	1105	768							
	% HV	36	37	52	63	62	60	60	59	64	58	51	45	46	42	38	34							
	BNL	76	76	76	76	75	75	75	75	76	76	76	76	76	74	73	71							
	% HV	4	4	5	6	6	6	6	6	6	6	5	5	5	4	4	4							
	Gradient	3	Gradient	1	1	1	1	1	1	1	1	1	1	1	1	1	1							
	Distance	12	Distance	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1							
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0						
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr					
Facade Noise Levels dB(A)		81.4	81.7	82.3	82.8	82.7	82.1	82.0	82.5	83.0	82.8	82.3	82.4	82.0	79.9	77.9	75.9	81.8						
HKPSG Exceedances		11.4	11.7	12.3	12.8	12.7	12.1	12.0	12.5	13.0	12.8	12.3	12.4	12.0	9.9	7.9	5.9							
		16 = number of hours exceeded 70 dB(A)																						
5213	LV	2,009	1,976	1,372	1,099	925	988	882	1,047	1,044	1,032	1,324	1,843	1,895	1,739	1,596	1,465	1,716	1,340	1,351				
	HV	703	521	569	706	657	564	530	465	459	564	546	536	441	341	264	204	497	613	506				
	SPD	24.0	24.0	24.0	25.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	24	26	26				
	total	2712	2497	1940	1805	1582	1553	1412	1511	1602	1596	1789	2372	2335	2080	1860	1669							
	% HV	28	21	29	39	42	36	38	31	35	35	33	29	23	16	14	12							
	BNL	77	76	75	75	74	74	74	74	74	74	75	76	76	75	75	74							
	% HV	3	2	3	4	4	4	4	3	4	4	4	4	2	1	1	0							
	Gradient	3	Gradient	1	1	1	1	1	1	1	1	1	1	1	1	1	1							
	Distance	50	Distance	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6						
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0						
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr					
Facade Noise Levels dB(A)		75.3	74.2	74.3	74.9	74.5	74.0	73.7	73.2	73.9	74.0	74.6	74.1	73.4	72.4	71.4	70.5	73.8						
HKPSG Exceedances		5.3	4.2	4.3	4.9	4.5	4.0	3.7	3.2	3.9	4.0	4.6	4.1	3.4	2.4	1.4	0.5							
		16 = number of hours exceeded 70 dB(A)																						
5229	LV	767	643	721	657	422	398	282	247	373	354	452	581	759	560	471	442	582	470	503				
	HV	587	672	737	711	545	384	536	572	561	540	583	818	617	432	443	470	610	621	588				
	SPD	37.0	37.0	37.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	31.0	31.0	31.0	30.0	30.0	30.0	37	31	30				
	total	1365	1315	1457	1388	967	792	818	820	935	894	1035	1399	1376	992	913	912							
	% HV	44	51	51	52	56	50	66	70	60	60	56	58	45	44	48	52							
	BNL	74	73	74	74	72	71	71	71	72	72	72	74	74	72	72	72							
	% HV	4	5	5	5	5	5	6	6	6	6	5	5	4	4	5	5							
	Gradient	8	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
	Distance	8	Distance	1	1	1	1	1	1	1	1	1	1	1	1	1	1							
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0						
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr					
Facade Noise Levels dB(A)		79.4	79.8	80.2	80.2	79.1	77.7	78.9	79.2	79.2	78.9	79.3	80.8	79.7	78.2	78.2	78.4	79.3						
HKPSG Exceedances		9.4	9.8	10.2	10.2	9.1	7.7	8.9	9.2	9.2	8.9	9.3	10.8	9.7	8.2	8.2	8.4							
		16 = number of hours exceeded 70 dB(A)																						
5231	LV	680	833	709	533	342	323	229	201	303	330	596	815	815	454	382	359	754	619	408				
	HV	811	928	1,005	962	738	533	726	774	760	742	841	1,142	835	585	599	636	842	896	766				
	SPD	34.5	34.5	34.5	25.0	25.0	25.0	25.0	25.0	25.0	28.5	28.5	28.5	28.5										

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2001 CTS-3 (815100) MAIN MODEL RUN - Ver 48 (LOW/BUDGET TOLL)

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

Model Output

2001 CTS-3 (815100) MAIN																	Hour 11 / 2-way Hourly Traffic Volume (veh.) or Speed (km/hr)																	AM		PM		DP																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
Stn.		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									</

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2001 CTS-3 (815100) MAIN MODEL RUN - Ver 48 (LOW/BUDGET TOLL)

Stn.		Hour Start / 2-way Hourly Traffic Volume (veh.) or Speed (km/hr)																Model Output		
		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	AM	PM	OP
5269	LV	2,121	2,409	1,570	1,230	1,220	1,209	1,220	1,214	1,331	1,333	1,891	2,126	1,778	1,393	1,093	857	2,189	1,556	1,365
	HV	1,567	1,893	2,010	3,063	2,941	2,370	2,338	2,437	2,326	2,219	2,276	1,985	1,785	1,409	1,112	878	1,544	2,154	2,061
	SPD	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	78.5	78.5	78.5	78.5	80.0	80.0	80.0	80	79	80
	total	3689	4102	3579	4293	4160	3579	3567	3651	3657	3552	3968	4110	3581	2802	2205	1735			
	% HV	42	41	56	71	71	66	66	67	64	62	57	48	50	50	50	51			
	BNL	78	78	78	79	78	78	78	78	78	78	78	78	78	77	76	75			
	% HV	6	6	7	8	8	8	8	8	8	7	7	6	7	7	7	7			
	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	-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)		81.5	81.8	82.2	83.9	83.7	82.8	82.8	82.9	82.8	82.5	82.7	82.2	81.7	80.8	79.8	78.7	82.2		
HKPSG Exceedances		11.5	11.8	12.2	13.9	13.7	12.8	12.8	12.9	12.8	12.5	12.7	12.2	11.7	10.8	9.8	8.7			
		16 = number of hours exceeded 70 dB(A)																		
5270	LV	3,455	3,709	2,507	2,045	2,028	2,010	2,028	2,019	2,214	2,224	2,856	3,559	2,953	2,316	1,817	1,425	3,370	2,797	2,270
	HV	1,970	2,135	2,528	3,845	3,691	2,975	2,934	3,059	2,920	2,791	2,880	2,501	2,241	1,769	1,396	1,102	2,074	2,725	2,587
	SPD	76.0	76.0	76.0	75.5	75.5	75.5	75.5	75.5	74.0	74.0	74.0	74.0	74.0	75.5	75.5	75.5	76	74	76
	total	5425	5845	5035	5890	5720	4988	4962	5077	5134	5015	5736	6060	5194	4085	3213	2527			
	% HV	36	37	50	65	65	60	59	60	57	56	50	41	43	43	43	44			
	BNL	80	80	79	80	80	79	79	79	79	79	80	80	79	78	77	76			
	% 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	-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)		80.6	80.9	81.3	82.8	82.7	81.8	81.8	81.9	81.9	81.5	81.7	81.3	80.8	79.9	78.8	77.8	81.3		
HKPSG Exceedances		10.6	10.9	11.3	12.8	12.7	11.8	11.8	11.9	11.8	11.5	11.7	11.3	10.8	9.9	8.8	7.8			
		16 = number of hours exceeded 70 dB(A)																		
5279	LV	3,653	3,089	2,390	2,072	1,744	1,863	1,683	1,973	1,969	1,990	2,773	3,643	3,572	3,279	3,009	2,762	2,682	2,807	2,547
	HV	2,209	1,466	1,738	2,269	2,112	1,814	1,703	1,493	1,792	1,768	1,883	1,639	1,416	1,096	848	656	1,399	1,768	1,626
	SPD	60.0	60.0	60.0	66.0	66.0	66.0	66.0	66.0	66.0	60.5	60.5	60.5	60.5	66.0	66.0	66.0	60	61	66
	total	5861	4555	4128	4341	3856	3877	3366	3466	3760	3758	4656	5283	4989	4375	3857	3418			
	% HV	38	32	42	52	55	49	51	43	48	47	40	31	28	25	22	19			
	BNL	80	79	78	79	78	78	77	78	78	78	79	79	79	79	78	78			
	% HV	5	4	5	6	6	6	6	5	5	5	5	4	4	4	3	3			
	Gradient	6	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
	Distance	50	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6			
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0		
Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr		
Facade Noise Levels dB(A)		81.2	79.6	80.1	81.4	81.0	80.4	80.1	79.7	80.4	80.1	80.5	80.2	79.8	79.1	78.2	77.3	80.0		
HKPSG Exceedances		11.2	9.6	10.1	11.4	11.0	10.4	10.1	9.7	10.4	10.1	10.5	10.2	9.6	9.1	8.2	7.3			
		16 = number of hours exceeded 70 dB(A)																		
5404	LV	2,924	2,796	1,953	1,736	1,551	1,708	1,538	1,498	1,589	2,012	2,348	3,534	3,081	2,458	1,958	1,561	2,482	2,439	2,049
	HV	1,887	2,287	2,976	3,294	3,432	2,839	3,062	3,651	3,811	3,537	2,604	2,502	2,044	1,434	1,006	706	2,285	2,493	2,618
	SPD	38.5	38.5	38.5	36.5	36.5	38.5	36.5	36.5	36.5	34.5	34.5	34.5	34.5	36.5	36.5	36.5	39	35	37
	total	4791	5083	4929	5030	4984	4547	4600	5149	5380	5549	4952	6036	5125	3890	2965	2268			
	% HV	39	45	60	65	69	62	67	71	71	64	53	41	40	37	34	31			
	BNL	79	79	79	79	79	79	79	79	80	80	79	80	79	78	77	76			
	% HV	4	4	5	6	6	6	6	6	6	6	5	4	4	4	3	3			
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance	25	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3			
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-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)		80.5	81.3	82.3	82.7	82.8	82.0	82.3	83.1	83.3	83.0	81.8	81.7	80.9	79.4	77.9	76.4	81.7		
HKPSG Exceedances		10.5	11.3	12.3	12.7	12.8	12.0	12.3	13.1	13.3	13.0	11.8	11.7	10.9	9.4	7.9	6.4			
		16 = number of hours exceeded 70 dB(A)																		
5405	LV	3,211	3,414	2,839	2,793	2,708	2,619	2,591	2,830	2,987	2,838	3,096	3,664	3,656	3,295	2,969	2,676	3,186	3,070	2,979
	HV	1,887	1,738	2,310	2,659	2,593	2,472	2,488	2,568	2,580	2,506	2,258	1,950	1,736	1,424	1,168	959	1,775	2,186	2,109
	SPD	48.0	48.0	48.0	44.5	44.5	44.5	44.5	44.5	44.5	45.0	45.0	45.0	45.0	44.5	44.5	44.5	48	45	45
	total	5098	5152	5150	5451	5299	5090	5079	5398	5567	5344	5354	5614	5392	4719	4138	3635			
	% HV	37	34	45	49	49	49	49	48	48	47	42	35	32	30	28	26			
	BNL	79	79	79	80	79	79	79	80	80	79	79	80	80	79	78	78			
	% HV	4	4	5	5	5	5	5	5	5	5	4	3	3	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)		82.7	82.4	83.4	83.8	83.7	83.5	83.5	83.7	83.7	83.8	83.2	82.7	82.3	81.5	80.7	79.9	82.9		
HKPSG Exceedances		12.7	12.4	13.4	13.8	13.7	13.5	13.5	13.7	13.7	13.6	13.2	12.7	12.3	11.5	10.7	9.9			
		16 = number of hours exceeded 70 dB(A)																		
5406	LV	3,362	3,688	3,369	3,063	2,432	2,485	2,323	2,774	2,822	3,122	3,515	4,021	3,594	3,121	2,711	2,354	3,453	3,472	2,931
	HV	2,764	3,134	4,000	4,843	4,415	4,581	4,218	4,800	4,740	4,486	3,648	3,00							

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2001 CTS-3 (815100) MAIN MODEL RUN - Ver 48 (LOW/BUDGET TOLL)

		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	
5407	LV	635	888	691	531	421	431	403	481	489	529	547	664	623	541	470	408	831	540	508	
	HV	352	386	505	597	568	589	543	617	610	565	427	371	288	220	169	129	391	408	443	
	SPD	36.0	36.0	36.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	36	39	39	
	total	987	1274	1195	1128	989	1020	945	1098	1099	1094	974	1034	911	781	638	537				
	% HV	36	30	42	53	57	58	57	56	55	52	44	36	32	29	26	24				
	BNL	72	73	73	73	72	72	72	73	73	73	72	72	72	71	70	69				
	% HV	3	3	4	5	5	5	5	5	5	5	4	3	3	3	2	2				
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	Distance	15	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)		75.2	75.7	76.6	77.2	77.0	77.1	76.8	77.3	77.3	77.0	75.9	75.4	74.4	73.3	72.3	71.2	Average Level over 16 hr			
HKPSG Exceedances		5.2	5.7	6.6	7.2	7.0	7.1	6.8	7.3	7.3	7.0	5.9	5.4	4.4	3.3	2.3	1.2	75.9			
		16	= number of hours exceeded 70 dB(A)																		
5409	LV	1,736	2,171	1,990	1,922	1,814	1,650	1,338	1,509	1,681	1,780	1,882	2,063	1,823	1,304	1,408	1,477	1,958	1,910	1,648	
	HV	1,270	1,665	1,946	2,325	2,340	2,008	1,988	2,197	2,132	2,308	1,771	1,945	1,530	1,191	1,014	910	1,556	1,760	1,818	
	SPD	28.0	28.0	28.0	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	28	24	24	
	total	3,006	3,835	3,936	4,247	3,954	3,659	3,326	3,706	3,813	4,087	3,653	4,029	3,353	2,496	2,422	2,387				
	% HV	42	43	49	55	59	55	60	59	56	56	48	48	46	48	42	38				
	BNL	77	78	78	78	78	78	77	78	78	78	78	78	77	76	75	76				
	% HV	4	4	5	6	6	6	6	6	6	6	5	5	5	5	5	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			
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)		81.7	82.9	83.5	84.7	84.7	84.1	84.0	84.4	84.3	84.7	83.8	84.0	83.0	81.9	81.2	80.8	Average Level over 16 hr			
HKPSG Exceedances		11.7	12.9	13.5	14.7	14.7	14.1	14.0	14.4	14.3	14.7	13.6	14.0	13.0	11.9	11.2	10.8	83.5			
		16	= number of hours exceeded 70 dB(A)																		
5410	LV	2,053	2,908	2,447	2,191	1,840	1,882	1,525	1,721	1,916	2,059	2,275	2,448	2,079	1,487	1,605	1,685	2,623	2,309	1,879	
	HV	1,503	2,114	2,350	2,705	2,723	2,336	2,313	2,556	2,480	2,725	2,213	2,335	1,780	1,386	1,180	1,059	1,976	2,199	2,116	
	SPD	27.0	27.0	27.0	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	27	19	24	
	total	3,557	5,022	4,797	4,896	4,563	4,218	3,838	4,276	4,397	4,784	4,488	4,781	3,859	2,873	2,785	2,743				
	% HV	42	42	49	55	60	55	60	60	56	57	49	49	46	48	42	39				
	BNL	78	79	79	79	79	78	78	79	79	79	79	79	79	78	77	77				
	% HV	4	4	5	6	6	6	6	6	6	7	6	6	6	5	5	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			
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)		82.5	84.0	84.4	85.4	85.4	84.7	84.7	85.1	85.0	86.1	85.2	85.5	84.3	82.5	81.9	81.4	Average Level over 16 hr			
HKPSG Exceedances		12.5	14.0	14.4	15.4	15.4	14.7	14.7	15.1	15.0	16.1	15.2	15.5	14.3	12.5	11.9	11.4	84.4			
		16	= number of hours exceeded 70 dB(A)																		
5411	LV	1,655	1,697	1,496	1,404	978	1,111	989	971	1,242	1,136	1,224	1,938	1,748	1,168	780	521	1,407	1,241	1,234	
	HV	572	642	920	1,241	1,069	961	913	992	981	956	889	737	600	373	232	144	614	830	774	
	SPD	36.5	36.5	36.5	38.0	38.0	38.0	38.0	38.0	38.0	37.5	37.5	37.5	37.5	38.0	38.0	38.0	37	38	38	
	total	2,227	2,339	2,418	2,645	2,047	2,072	1,902	1,963	2,223	2,092	2,093	2,675	2,349	1,541	1,012	685				
	% HV	26	27	38	47	52	46	48	51	44	46	42	28	26	24	23	22				
	BNL	76	76	76	76	75	75	75	75	76	75	75	76	76	74	72	70				
	% HV	2	2	4	4	5	4	5	5	4	4	4	3	2	2	2	2				
	Gradient	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3				
	Distance	15	Distance	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
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)		78.5	78.9	80.2	81.4	80.7	80.3	80.0	80.4	80.4	80.3	79.9	79.5	78.7	76.7	74.7	72.7	Average Level over 16 hr			
HKPSG Exceedances		8.5	8.9	10.2	11.4	10.7	10.3	10.0	10.4	10.4	10.3	9.9	9.5	8.7	6.7	4.7	2.7	79.4			
		16	= number of hours exceeded 70 dB(A)																		
5418	LV	1,256	1,281	863	683	575	614	549	651	649	628	741	1,096	1,178	1,081	992	911	1,095	750	840	
	HV	470	385	391	482	430	359	347	304	365	355	363	325	288	223	173	134	367	345	331	
	SPD	27.0	27.0	27.0	28.5	28.5	28.5	28.5	28.5	28.5	29.0	29.0	29.0	29.0	28.5	28.5	28.5	27	29	29	
	total	1,726	1,666	1,254	1,165	1,005	984	895	955	1,014	984	1,104	1,421	1,466	1,304	1,165	1,044				
	% HV	27	23	31	40	43	38	39	32	36	36	33	23	20	17	15	13				
	BNL	75	74	73	73	72	72	72	72	72	72	73	74	74	73	73	72				
	% HV	3	2	3	4	4	4	4	3	4	4	3	2	2	1	1	0				
	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			
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)		72.4	71.8	71.5	71.9	71.8	71.0	70.7	70.2	71.0	70.8	71.0	70.8	70.4	69.4	68.5	67.6	Average Level over 16 hr			
HKPSG Exceedances		2.4	1.6	1.5	1.9	1.6	1.0	0.7	0.2	1.0	0.8	1.0	0.8	0.4	-0.6	-1.5	-2.4	70.8			
		11	= number of hours exceeded 70 dB(A)																		
5419	LV	2,470	3,363	2,384	1,957	1,897	1,835	1,816	1,984	2,094	2,009	2,267	2,620	2,563	2,309	2,081	1,876	3,138	2,248	2,088	
	HV	1,297	1,772	1,617	1,798																

Third Comprehensive Transport Study (CTS-3)
 Future Year Hourly Profile of Traffic Volume and Speed
 2001 CTS-3 (\$15100) MAIN MODEL RUN - Ver 48 (LOW/BUDGET TOLL)

2001 CTS-3 (815100) MAIN MODEL RUN - Ver 48 (LOW/BUDGET TOLL)																			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				
5421	LV	283	385	208	125	128	121	120	137	125	164	255	271	200	148	109	80	349	255	144	
	HV	97	111	126	146	142	124	122	135	154	149	149	136	115	72	45	28	110	147	112	
	SPD	48.0	48.0	48.0	50.0	50.0	50.0	50.0	50.0	48.5	48.5	48.5	48.5	48.5	50.0	50.0	50.0	48	49	50	
	total	380	496	334	271	268	245	242	273	279	313	403	407	315	219	154	108				
	% HV	26	22	38	54	53	51	50	50	55	48	37	33	37	33	29	26				
	BNL	68	69	67	67	66	66	66	67	67	68	68	67	66	66	64	63				
	% HV	3	2	4	5	5	5	5	5	5	4	3	4	4	4	3	3				
	Gradient	3	Gradient	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
	Distance	12	Distance	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1				
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-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	72.3			
Facade Noise Levels dB(A)		71.9	72.6	72.6	73.1	73.0	72.4	72.3	72.8	73.3	73.2	73.4	73.1	72.3	70.4	68.5	66.6				
HKPSG Exceedances		1.9	2.6	2.6	3.1	3.0	2.4	2.3	2.8	3.3	3.2	3.4	3.1	2.3	0.4	-1.5	-3.4				
14 = number of hours exceeded 70 dB(A)																					
5483	LV	582	627	785	669	610	544	650	761	678	751	647	721	761	518	480	422	781	651	632	
	HV	663	583	667	944	936	855	746	878	994	857	782	821	550	358	201	211	553	752	701	
	SPD	45.0	45.0	45.0	44.0	44.0	44.0	44.0	44.0	43.5	43.5	43.5	43.5	43.5	44.0	44.0	44.0	45	44	44	
	total	1245	1410	1452	1613	1546	1399	1395	1639	1672	1608	1426	1542	1312	876	681	633				
	% HV	53	41	46	59	61	61	53	54	59	53	55	53	42	41	29	33				
	BNL	73	74	74	74	74	74	74	74	74	74	74	74	73	72	71	70				
	% HV	5	4	4	5	5	5	5	5	5	5	5	5	4	4	3	3				
	Gradient	3	Gradient	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
	Distance	20	Distance	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2				
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-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	77.8			
Facade Noise Levels dB(A)		77.7	77.3	77.8	79.1	79.1	78.7	78.1	78.8	79.3	78.7	78.3	78.6	77.0	75.1	72.9	73.0				
HKPSG Exceedances		7.7	7.3	7.8	9.1	9.1	8.7	8.1	8.8	9.3	8.7	8.3	8.6	7.0	5.1	2.9	3.0				
16 = number of hours exceeded 70 dB(A)																					
5457	LV	645	640	442	352	296	317	283	335	335	336	454	609	607	557	512	470	556	460	439	
	HV	357	259	287	361	336	289	271	238	285	283	308	265	225	174	135	104	247	293	259	
	SPD	47.2	47.2	47.2	47.5	47.5	47.5	47.5	47.5	47.3	47.3	47.3	47.3	47.3	47.5	47.5	47.5	47	47	48	
	total	1003	899	729	713	632	605	554	573	620	619	763	874	833	732	646	574				
	% HV	36	29	39	51	53	48	49	41	46	46	40	30	27	24	21	18				
	BNL	72	72	71	71	70	70	70	70	70	70	71	72	71	71	70	70				
	% HV	4	3	4	5	5	5	5	4	5	5	4	3	3	2	2	2				
	Gradient	6	Gradient	2	2	2	2	2	2	2	2	2	2	2	2	2	2				
	Distance	50	Distance	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6				
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-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	71.3			
Facade Noise Levels dB(A)		72.7	71.5	71.7	72.5	72.1	71.5	71.2	70.8	71.5	71.5	71.9	71.5	71.0	70.0	69.1	68.2				
HKPSG Exceedances		2.7	1.5	1.7	2.5	2.1	1.5	1.2	0.8	1.5	1.5	1.9	1.5	1.0	0.0	-0.9	-1.8				
13 = number of hours exceeded 70 dB(A)																					
5480	LV	1,458	1,529	1,509	1,311	1,115	1,326	1,381	1,119	1,345	1,591	1,563	1,729	1,777	1,523	1,306	1,120	1,485	1,557	1,393	
	HV	1,694	1,873	2,383	2,707	2,878	2,530	2,838	2,735	2,558	2,674	2,330	2,193	1,459	1,298	1,154	1,027	1,814	2,219	2,182	
	SPD	58.0	58.0	60.0	66.5	66.5	66.5	66.5	66.5	66.5	63.5	63.5	63.5	63.5	63.5	66.5	66.5	68	64	67	
	total	3152	3403	3893	4018	3993	3855	4219	3854	3903	4265	3893	3922	3235	2821	2461	2147				
	% HV	54	55	61	67	72	66	67	71	68	63	60	58	45	46	47	48				
	BNL	77	78	78	78	78	78	78	78	78	78	78	78	78	77	77	76				
	% HV	6	6	7	7	7	7	7	7	7	6	6	6	5	6	6	6				
	Gradient	0	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	Distance	30	Distance	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4				
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	Average Level over 16 hr		
Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	81.2			
Facade Noise Levels dB(A)		80.4	80.8	81.8	82.2	82.4	81.9	82.4	82.2	82.0	82.0	81.5	81.2	79.7	79.3	78.8	78.3				
HKPSG Exceedances		10.4	10.8	11.8	12.2	12.4	11.9	12.4	12.2	12.0	12.0	11.5	11.2	9.7	9.3	8.8	8.3				
16 = number of hours exceeded 70 dB(A)																					
5496	LV	163	106	128	144	138	141	109	135	149	145	208	197	171	132	134	125	97	196	145	
	HV	1,787	1,789	2,530	3,099	2,851	2,155	2,811	3,034	2,974	2,898	2,176	2,358	1,784	1,271	917	631	1,772	2,189	2,249	
	SPD	60.0	60.0	60.0	66.5	66.5	66.5	66.5	66.5	66.5	62.0	62.0	62.0	62.0	62.0	62.0	62.0	60	62	52	
	total	1950	1895	2658	3243	2988	2296	2920	3169	3123	3043	2385	2555	1935	1403	1061	757				
	% HV	92	94	95	96	95	94	96	96	95	95	91	92	91	91	87	83				
	BNL	75	75	76	77	77	76	77	77	77	77	76	76	75	74	72	71				
	% HV	8	8	8	8	8	7	8	8	7	7	7	7	7	7	7	7				
	Gradient	0	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	Distance	30	Distance	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4				
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	Average Level over 16 hr		
Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	80.4			
Facade Noise Levels dB(A)		79.9	79.8	81.3	81.9	81.5	80.3	81.4	81.8	81.7	81.6	80.3	80.7	79.4	78.0	76.6	75.0				
HKPSG Exceedances		9.9	9.8	11.3	11.9	11.5	10.3	11.4	11.8	11.7	11.6	10.3	10.7	9.4	8.0	6.6	5.0				
16 = number of hours exceeded 70 dB(A)																					
5605	LV	3,140	2,317	1,878	1,728	1,731	1,664	1,661	1,890	1,717	2,010	2,096	2,930	2,754	2,034	1,502	1,110	2,101	2,099	1,985	
	HV	1,402	1,239	1,686	2,243	2,192	1,911	1,878	2,066	2,376	2,129	1,867	1,797	1,773	1,105	689	430	1,230	1,649	1,725	
	SPD	48.0	48.0	48.0	46.5	46.5	46.5	46.5	46.5	46.5	44.5	44.5	44.5								

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Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2001 CTS-3 (815100) MAIN MODEL RUN - Ver 48 (LOW/BUDGET TOLL)

		Hour Start / 2-way Hourly Traffic Volume (veh.) or Speed (km/hr)																		Model Output		
Stn.		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	AM	PM	OP		
5656	LV	1,629	1,855	1,206	943	936	927	936	931	1,021	1,024	1,308	1,636	1,362	1,068	838	657	1,686	1,281	1,047		
	HV	1,511	1,626	1,935	2,955	2,837	2,286	2,255	2,351	2,244	2,138	2,187	1,911	1,722	1,359	1,073	847	1,580	2,069	1,988		
	SPD	82.0	82.0	82.0	81.5	81.5	81.5	81.5	81.5	80.3	80.3	80.3	80.3	81.5	81.5	81.5	81.5	82	80	82		
	total	3139	3482	3142	3898	3772	3214	3190	3282	3265	3162	3494	3547	3084	2427	1911	1504					
	% HV	48	47	62	76	75	71	71	72	69	68	63	54	56	56	56	56					
	BNL	77	78	77	78	78	77	77	77	77	77	78	78	77	76	75	74					
	% HV	7	7	8	8	8	8	8	8	8	8	7	7	7	7	7	7					
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
	Distance	43	Distance	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5				
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0				
Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr				
Facade Noise Levels dB(A)		79.5	79.8	80.3	81.9	81.8	80.9	80.8	81.0	80.8	80.6	80.7	80.3	79.8	78.8	77.8	76.8	80.3				
HKPSG Exceedances		9.5	9.8	10.3	11.9	11.9	10.9	10.8	11.0	10.8	10.6	10.7	10.3	9.8	8.8	7.8	6.8					
		16	= number of hours exceeded 70 dB(A)																			
5673	LV	2,114	2,349	1,552	1,236	1,226	1,215	1,228	1,220	1,338	1,328	1,627	2,096	1,785	1,400	1,068	861	2,134	1,593	1,372		
	HV	1,168	1,283	1,503	2,267	2,176	1,754	1,730	1,803	1,721	1,649	1,716	1,482	1,321	1,043	823	649	1,246	1,624	1,525		
	SPD	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	84.0	84.0	84.0	84.0	85.0	85.0	85.0	85	84	85		
	total	3280	3632	3055	3503	3402	2969	2958	3023	3059	2977	3343	3578	3106	2443	1921	1511					
	% HV	36	35	49	65	64	59	59	60	56	55	51	41	43	43	43	43					
	BNL	77	78	77	78	78	77	77	77	77	77	77	78	77	76	75	74					
	% HV	6	6	7	8	8	8	8	8	7	7	7	6	6	7	7	7					
	Gradient	0	0	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)		80.4	80.8	81.1	82.6	82.4	81.5	81.5	81.6	81.5	81.3	81.5	81.1	80.6	79.6	78.6	77.6	81.0				
HKPSG Exceedances		10.4	10.8	11.1	12.6	12.4	11.5	11.5	11.6	11.5	11.3	11.5	11.1	10.6	9.6	8.6	7.6					
		16	= number of hours exceeded 70 dB(A)																			
5679	LV	1,836	1,558	1,329	1,004	818	752	744	926	848	876	933	1,317	1,300	1,017	796	622	1,352	928	999		
	HV	380	363	407	396	421	358	440	510	477	478	412	386	295	226	174	133	350	404	363		
	SPD	32.5	32.5	32.5	34.5	34.5	34.5	34.5	34.5	34.5	34.0	34.0	34.0	34.0	34.5	34.5	34.5	33	34	35		
	total	2016	1921	1736	1400	1239	1110	1185	1436	1326	1354	1345	1703	1595	1243	969	758					
	% HV	19	19	23	28	34	32	37	36	36	35	31	23	18	18	18	18					
	BNL	75	75	75	74	73	73	73	74	73	74	73	75	74	73	72	71					
	% HV	1	1	2	3	3	3	4	3	3	3	3	2	1	1	1	1					
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
	Distance	30	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)		73.5	73.3	73.6	73.3	73.4	72.8	73.6	74.2	73.9	74.0	73.4	73.4	72.5	71.3	70.2	69.1	73.0				
HKPSG Exceedances		3.5	3.3	3.6	3.3	3.4	2.8	3.6	4.2	3.9	4.0	3.4	3.4	2.5	1.3	0.2	-0.9					
		14	= number of hours exceeded 70 dB(A)																			
5691	LV	2,506	2,404	2,040	1,536	1,251	1,150	1,139	1,416	1,297	1,333	1,383	1,990	1,989	1,556	1,217	952	2,086	1,376	1,528		
	HV	557	506	588	587	624	530	552	756	708	701	586	561	437	335	257	197	487	575	538		
	SPD	64.0	64.0	64.0	68.0	68.0	68.0	68.0	68.0	69.0	69.0	69.0	69.0	69.0	68.0	68.0	68.0	64	69	68		
	total	3063	2910	2628	2123	1875	1881	1791	2172	2005	2034	1969	2551	2426	1891	1474	1150					
	% HV	18	17	22	28	33	32	36	35	35	34	30	22	18	18	17	17					
	BNL	77	77	76	75	75	74	75	76	75	75	75	76	76	75	74	73					
	% HV	3	3	3	4	5	4	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	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)		76.7	76.4	76.6	76.8	76.8	76.0	76.7	77.4	77.1	77.1	76.5	76.8	76.1	74.9	73.8	72.6	76.3				
HKPSG Exceedances		6.7	6.4	6.6	6.6	6.6	6.0	6.7	7.4	7.1	7.1	6.5	6.8	6.1	4.9	3.8	2.6					
		16	= number of hours exceeded 70 dB(A)																			
5806	LV	3,333	2,302	1,958	1,861	1,865	1,793	1,789	2,036	1,850	2,182	2,355	3,211	2,966	2,191	1,618	1,195	2,087	2,358	2,138		
	HV	1,501	1,326	1,805	2,400	2,345	2,045	2,008	2,232	2,543	2,287	1,817	1,938	1,897	1,183	738	460	1,317	1,797	1,846		
	SPD	74.5	74.5	74.5	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	75	70	70		
	total	4834	3628	3763	4261	4210	3837	3797	4268	4392	4470	4172	5149	4863	3374	2356	1655					
	% HV	31	37	48	56	56	53	53	52	58	51	44	38	39	35	31	28					
	BNL	79	78	78	78	78	78	78	79	79	79	78	79	79	77	76	74					
	% HV	5	5	6	6	6	6	6	6	6	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	Distance	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7				
	Surface	p	Surface	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5				
Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr				
Facade Noise Levels dB(A)		75.7	74.9	75.9	76.7	76.6	76.1	76.0	76.5	77.0	76.8	75.8	76.2	76.1	74.2	72.3	70.4	75.7				
HKPSG Exceedances		5.7	4.9	5.9	6.7	6.6	6.1	6.0	6.5	7.0	6.6	5.8	6.2	6.1	4.2	2.3	0.4					
		15	= number of hours exceeded 70 dB(A)																			
5807	LV	4,044	4,399	3,930	3,484	2,382	2,491	3,035	3,756	3,430	3,368	3,615	3,968	3,171	2,844	2,790	2,409	3,728	3,503	3,237		
	HV	2,670	2,130	2,178	2,523	3,212	2,734	2,237	2,619	3,900	2,984	2,617	3,282	2,351	1,835	1,806	1,721	1,999	2,607	2,803		
	SPD	75.5																				

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2001 CTS-3 (815100) MAIN MODEL RUN - Ver 48 (LOW/BUDGET TOLL)

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		
5810	LV	2,029	2,540	2,326	2,244	1,885	1,927	1,562	1,762	1,963	2,072	2,170	2,418	2,129	1,523	1,644	1,725	2,291	2,202	1,925		
	HV	1,479	1,862	2,241	2,733	2,752	2,361	2,338	2,582	2,507	2,714	2,084	2,288	1,799	1,401	1,192	1,070					
	SPD	37.3	37.3	37.3	31.0	31.0	31.0	31.0	31.0	30.0	30.0	30.0	30.0	31.0	31.0	31.0	31.0					
	total	3508	4402	4568	4978	4636	4288	3900	4345	4469	4785	4254	4706	3928	2924	2836	2795					
	% HV	42	42	49	55	59	55	60	59	56	57	49	49	46	48	42	38					
	BNL	78	79	79	79	79	79	78	79	79	79	78	79	78	77	77	77					
	% HV	4	4	5	5	5	5	5	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					
	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)		82.1	83.1	83.8	84.7	84.7	84.1	84.0	84.4	84.3	84.7	83.6	84.1	83.0	81.9	81.3	80.8	Average Level over 16 hr				
HKPSG Exceedances		12.1	13.1	13.8	14.7	14.7	14.1	14.0	14.4	14.3	14.7	13.8	14.1	13.0	11.9	11.3	10.8	83.6				
		16 = number of hours exceeded 70 dB(A)																				
5816	LV	1,437	2,083	1,421	1,105	1,071	1,036	1,025	1,120	1,182	1,153	1,375	1,530	1,447	1,304	1,175	1,059	1,944	1,363	1,179		
	HV	877	967	1,135	1,175	1,146	1,092	1,100	1,135	1,140	1,135	1,101	906	767	629	516	424					
	SPD	21.0	21.0	21.0	24.5	24.5	24.5	24.5	24.5	24.5	21.5	21.5	21.5	21.5	24.5	24.5	24.5					
	total	2314	3050	2556	2280	2217	2129	2125	2255	2323	2288	2476	2436	2214	1933	1692	1483					
	% HV	38	32	44	52	52	51	52	50	49	50	44	37	35	33	31	29					
	BNL	75	77	76	76	76	75	75	76	76	76	76	76	76	75	74	74					
	% 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				-1	
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0				-1.0	
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5				-0.5	
Facade Noise Levels dB(A)		81.1	81.6	82.1	81.8	81.5	81.3	81.3	81.5	81.5	82.0	81.9	81.1	80.4	79.1	78.3	77.5	Average Level over 16 hr				
HKPSG Exceedances		11.1	11.6	12.1	11.6	11.5	11.3	11.3	11.5	11.5	12.0	11.9	11.1	10.4	9.1	8.3	7.5	81.1				
		16 = number of hours exceeded 70 dB(A)																				
5818	LV	919	1,217	878	737	714	691	684	747	788	732	730	920	965	869	783	706	1,136	724	786		
	HV	586	636	754	789	770	734	739	762	766	753	705	594	515	423	347	285					
	SPD	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	25.0	25.0	25.0					
	total	1505	1854	1632	1526	1484	1425	1422	1509	1554	1485	1436	1514	1480	1292	1130	991					
	% HV	39	34	46	52	52	51	52	51	49	51	49	39	35	33	31	29					
	BNL	74	75	74	74	74	74	74	74	74	74	74	74	74	73	73	72					
	% 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				-1	
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0				-1.0	
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5				-0.5	
Facade Noise Levels dB(A)		78.7	79.1	79.7	79.8	79.7	79.5	79.6	79.7	79.7	79.6	79.4	78.7	78.2	77.3	76.5	75.7	Average Level over 16 hr				
HKPSG Exceedances		8.7	9.1	9.7	9.8	9.7	9.5	9.6	9.7	9.7	9.6	9.4	8.7	8.2	7.3	6.5	5.7	79.0				
		16 = number of hours exceeded 70 dB(A)																				
5823	LV	311	512	368	253	289	271	266	286	293	311	367	359	332	266	336	281	468	360	292		
	HV	973	985	1,324	1,634	1,346	1,293	1,436	1,524	1,470	1,337	1,226	995	789	569	373	400					
	SPD	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	23.5	23.5	23.5	23.5	25.0	25.0	25.0					
	total	1284	1497	1692	1887	1635	1564	1701	1811	1763	1648	1593	1354	1121	835	709	681					
	% HV	76	66	78	87	82	83	84	84	83	81	77	74	70	68	53	59					
	BNL	73	74	74	75	74	74	75	75	75	74	74	74	73	71	71	71					
	% HV	7	6	7	8	7	7	7	7	7	7	7	7	7	7	5	6					
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
	Distance	12	Distance	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1				-1	
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0				-1.0	
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5				-0.5	
Facade Noise Levels dB(A)		80.6	80.7	82.0	82.8	82.0	81.8	82.3	82.6	82.4	82.2	81.8	80.9	80.0	78.3	76.6	75.8	Average Level over 16 hr				
HKPSG Exceedances		10.6	10.7	12.0	12.8	12.0	11.8	12.3	12.6	12.4	12.2	11.8	10.9	10.0	8.3	6.6	6.8	81.2				
		16 = number of hours exceeded 70 dB(A)																				
5834	LV	1,655	1,697	1,496	1,404	978	1,111	989	971	1,242	1,136	1,224	1,938	1,748	1,168	780	521	1,407	1,241	1,234		
	HV	572	642	920	1,241	1,069	961	913	922	981	956	869	737	600	373	232	144					
	SPD	44.5	44.5	44.5	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					
	total	2227	2339	2416	2545	2047	2072	1902	1963	2223	2092	2093	2875	2349	1541	1012	665					
	% HV	26	27	38	47	52	46	48	51	44	46	42	28	26	24	23	22					
	BNL	76	76	76	76	75	75	75	75	76	75	75	76	76	74	72	70					
	% HV	2	3	4	5	5	4	5	5	4	4	3	2	2	2	2						
	Gradient	9	Gradient	3	3	3	3	3	3	3	3	3	3	3	3	3	3					
	Distance	15	Distance	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1				-1	
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0				-1.0	
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5				-0.5	
Facade Noise Levels dB(A)		80.5	80.9	82.2	83.3	82.6	82.2	81.9	82.3	82.3	82.2	81.8	81.5	80.7	78.7	76.7	74.7	Average Level over 16 hr				
HKPSG Exceedances		10.5	10.9	12.2	13.3	12.6	12.2	11.9	12.3	12.3	12.2	11.8	11.5	10.7	8.7	6.7	4.7	81.3				
		16 = number of hours exceeded 70 dB(A)																				
5852	LV	454	393	375	282	236	225	232	235	258	253	281	429	581	438	331	250	351	294	330		
	HV	379	317	401	478	424	368	413	446	472	426	377	381	370	240	155	100					
	SPD	24.3	24.3	24.3	23.0	23.0	23.0	23.0	23.0	23.3	23.3	23.3	23.3	23.0	23.0	23.0	23.0					
	total	832	710	776	701	660	594	644	681	730	679	658	811	951	678	486	350					
	% HV	45	45	52	60	64	62	64	66	65	63	57	47	39	35	32	29					
	BNL	71	71	71	71	70	70	70	71	71	71	70	71	72	71	69	68					
	% HV	5	5	6	6	7	6	7	7	7	6	6	5	5	4	4	3					
	Gradient	3	Gradient	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
	Distance	15	Distance	-1	-1	-1	-															

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2001 CTS-3 (815100) MAIN MODEL RUN - Ver 48 (LOW/BUDGET TOLL)

Stn.		Hour Start / 2-way Hourly Traffic Volume (veh.) or Speed (km/hr)																			Model Output		
		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22				AM	PM	OP
5855	LV	4,908	3,540	3,184	3,500	2,983	2,950	3,283	3,344	3,583	4,150	4,234	5,484	5,804	4,634	3,699	2,953				3,119	4,129	3,964
	HV	2,455	2,833	3,462	3,646	3,800	3,456	3,559	4,531	4,284	3,848	3,131	3,045	2,479	1,966	1,560	1,237				2,726	3,073	3,130
	SPD	51.0	51.0	51.0	45.8	45.8	45.8	45.8	45.8	45.8	45.5	45.5	45.5	45.5	45.8	45.8	45.8				51	46	46
	total	7363	6374	6647	7146	6783	6406	6842	7875	7848	7998	7365	8529	8283	6600	5259	4190						
	% HV	33	44	52	51	56	54	52	58	54	48	43	36	30	30	30	30						
	BNL	81	80	80	81	81	80	81	81	81	81	81	82	81	80	79	78						
	% HV	4	5	5	5	5	5	5	5	5	5	4	4	3	3	3	3						
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
	Distance	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50						
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1						
6001	LV	3,708	2,896	2,454	2,604	2,220	2,195	2,443	2,488	2,666	3,057	2,982	3,992	4,318	3,447	2,752	2,197				2,551	2,908	2,949
	HV	2,048	2,504	2,937	2,998	3,125	2,842	2,926	3,726	3,507	3,143	2,494	2,468	2,039	1,617	1,283	1,017				2,409	2,448	2,574
	SPD	51.0	51.0	51.0	49.5	49.5	49.5	49.5	49.5	49.5	50.5	50.5	50.5	50.5	49.5	49.5	49.5				51	51	50
	total	5757	5399	5390	5602	5344	5037	5369	6214	6173	6199	5476	6460	6357	5064	4034	3214						
	% HV	36	46	54	54	58	56	55	60	57	51	46	38	32	32	32	32						
	BNL	80	80	80	80	79	79	79	80	80	80	80	80	80	79	78	77						
	% HV	4	5	5	5	6	5	5	6	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	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50						
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1						
6002	LV	2,488	2,152	1,691	1,709	1,456	1,440	1,603	1,632	1,749	2,005	1,951	2,516	2,833	2,282	1,806	1,441				1,896	1,903	1,935
	HV	1,584	1,924	2,267	2,323	2,421	2,202	2,267	2,887	2,717	2,442	1,960	1,925	1,579	1,253	994	788				1,851	1,924	1,954
	SPD	47.0	47.0	47.0	46.5	46.5	46.5	46.5	46.5	46.5	47.0	47.0	47.0	47.0	46.5	46.5	46.5				47	47	47
	total	4073	4076	3958	4031	3877	3642	3870	4519	4466	4447	3912	4541	4413	3514	2799	2230						
	% HV	39	47	57	58	62	60	59	64	61	55	50	42	36	35	35	35						
	BNL	78	78	78	78	78	78	78	79	79	79	79	79	79	78	77	76						
	% HV	4	5	5	5	6	6	5	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						
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1						
6009	LV	1,045	1,118	702	515	516	496	495	564	512	617	721	929	821	607	448	331				1,014	722	592
	HV	539	673	719	785	767	669	667	730	832	781	718	692	621	387	241	150				668	710	604
	SPD	34.0	34.0	34.0	40.5	40.5	40.5	40.5	40.5	37.0	37.0	37.0	37.0	37.0	40.5	40.5	40.5				34	37	41
	total	1584	1791	1420	1301	1284	1165	1152	1294	1344	1397	1439	1621	1442	984	689	481						
	% HV	34	38	51	60	60	57	57	56	62	56	50	43	43	39	35	31						
	BNL	74	75	74	73	73	73	73	73	74	74	74	74	74	72	71	69						
	% HV	3	4	5	5	5	5	5	5	6	5	5	4	4	4	3	3						
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
	Distance	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12						
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1						
6011	LV	1,521	2,067	1,467	1,207	1,169	1,131	1,119	1,223	1,291	1,296	1,690	1,772	1,579	1,423	1,283	1,156				1,929	1,676	1,287
	HV	722	747	915	886	961	916	923	952	957	945	896	748	644	528	433	355				763	668	782
	SPD	21.5	21.5	21.5	25.0	25.0	25.0	25.0	25.0	25.0	22.0	22.0	22.0	22.0	25.0	25.0	25.0				22	22	25
	total	2244	2814	2382	2192	2131	2048	2042	2175	2247	2242	2587	2520	2223	1951	1716	1512						
	% HV	32	27	38	45	45	45	45	44	43	42	35	30	29	27	25	24						
	BNL	76	77	76	76	75	75	75	76	76	76	76	76	76	75	75	74						
	% HV	4	3	5	5	5	5	5	5	5	4	4	4	4	3	3	2						
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
	Distance	12	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						
6014	LV	2,683	3,313	1,837	1,482	1,347	1,280	1,425	1,553	1,686	1,698	2,174	2,554	2,193	1,950	1,733	1,541				2,815	2,185	1,736
	HV	838	720	874	1,038	970	868	985	1,032	981	937	781	778	731	546	408	305				694	755	803
	SPD	26.5	26.5	26.5	31.0	31.0	31.0	31.0	31.0	31.0	27.0	27.0	27.0	27.0	31.0	31.0	31.0				27	27	31
	total	3321	4034	2711	2520	2317	2149	2410	2586	2687	2635	2935	3332	2925	2496	2141	1845						
	% HV	19	18	32	41	42	40	41	40	37	36	26	23	25	22	19	17						
	BNL	77	78	77	76	76	76	76	76	76	76	76	77	77	76	75	75						
	% HV	2	1	3	4	4	4	4	4	4	3	2	2	2	2	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						

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Future Year Hourly Profile of Traffic Volume and Speed:

2001 CTS-3 (815100) MAIN MODEL RUN - Ver 48 (LOW/BUDGET TOLL)

2001 CTS-3 (815100) MAIN MODEL RUN - Ver 48 (LOW/BUDGET TOLL)																						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							
6027	LV	714	803	794	812	682	697	565	637	710	695	551	747	770	551	594	624	724	559	696				
	HV	437	696	710	759	764	656	649	717	696	774	654	671	500	389	331	297	651	650	594				
	SPD	34.0	34.0	34.0	29.5	29.5	29.5	29.5	29.5	30.0	30.0	30.0	30.0	29.5	29.5	29.5	29.5	34	30	30				
	total	1151	1499	1504	1571	1446	1353	1214	1355	1406	1469	1205	1418	1270	940	926	921							
	% HV	38	46	47	48	53	48	53	53	50	53	54	47	39	41	36	32							
	BNL	73	74	74	74	74	74	73	74	74	74	74	73	74	73	72	72							
	% HV	4	4	4	5	5	5	5	5	5	5	5	5	4	4	4	3							
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
	Distance	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1							
	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-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	79.8	79.8	79.8				
Facade Noise Levels dB(A)		78.2	80.1	80.1	80.6	80.6	80.0	79.9	80.3	80.2	80.6	79.9	80.0	78.9	77.8	77.2	76.7							
HKPSG Exceedances		6.2	10.1	10.1	10.6	10.6	10.0	9.9	10.3	10.2	10.6	9.9	10.0	8.9	7.8	7.2	6.7							
		16 = number of hours exceeded 70 dB(A)																						
6028	LV	1,109	1,136	1,096	911	585	551	391	343	517	517	771	895	1,051	776	652	613	1,028	801	697				
	HV	1,100	1,188	1,342	1,320	1,013	732	996	1,063	1,043	995	1,043	1,494	1,146	802	822	872	1,078	1,111	1,051				
	SPD	30.5	30.5	30.5	28.0	28.0	28.0	28.0	28.0	27.0	27.0	27.0	27.0	27.0	28.0	28.0	28.0	31	27	28				
	total	2208	2324	2438	2231	1597	1283	1387	1406	1560	1512	1813	2389	2197	1578	1474	1485							
	% HV	50	51	55	59	63	57	72	76	67	66	57	63	52	51	56	59							
	BNL	78	78	76	76	74	73	74	74	74	74	74	75	76	76	74	74							
	% HV	5	5	5	6	6	6	7	6	6	6	6	6	5	5	5	5							
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
	Distance	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	81.4	81.4	81.4				
Facade Noise Levels dB(A)		81.4	81.8	82.3	82.3	81.1	79.8	81.0	81.3	81.3	81.1	81.4	82.9	81.8	80.2	80.3	80.5							
HKPSG Exceedances		11.4	11.8	12.3	12.3	11.1	9.8	11.0	11.3	11.3	11.1	11.4	12.9	11.8	10.2	10.3	10.5							
		16 = number of hours exceeded 70 dB(A)																						
6030	LV	240	288	223	183	176	180	139	172	190	172	188	215	218	169	171	160	263	177	185				
	HV	63	66	90	109	100	76	99	107	104	99	68	79	82	45	32	22	65	68	79				
	SPD	37.5	37.5	37.5	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38	38	38				
	total	303	354	313	292	276	255	238	278	294	271	256	294	280	213	203	182							
	% HV	21	19	29	37	36	30	42	38	36	37	26	27	22	21	16	12							
	BNL	67	68	67	67	66	66	67	67	67	66	67	66	67	65	65	65							
	% HV	2	1	3	4	3	4	4	4	4	4	2	2	2	2	1	0							
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
	Distance	8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1							
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	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	70.8	70.8	70.8				
Facade Noise Levels dB(A)		70.3	70.6	71.5	72.1	71.8	70.7	71.6	72.0	72.0	71.7	70.3	71.0	70.2	68.8	67.7	66.5							
HKPSG Exceedances		0.3	0.6	1.5	2.1	1.8	0.7	1.6	2.0	2.0	1.7	0.3	1.0	0.2	-1.2	-2.3	-3.5							
		10 = number of hours exceeded 70 dB(A)																						
6033	LV	958	933	834	779	746	764	591	730	805	787	1,119	1,064	926	716	725	679	852	1,052	786				
	HV	793	1,013	1,205	1,294	1,190	900	1,173	1,267	1,242	1,240	1,016	1,036	736	531	383	264	1,004	1,022	909				
	SPD	28.0	28.0	28.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.5	27.5	27.5	27.0	27.0	27.0	28	28	27				
	total	1751	1947	2038	2073	1937	1663	1765	1996	2047	2027	2135	2100	1562	1247	1108	943							
	% HV	45	52	59	62	61	54	66	63	61	61	48	49	44	43	35	28							
	BNL	75	75	75	75	74	75	75	75	75	75	75	75	74	73	73	72							
	% HV	5	5	6	6	6	5	6	6	6	6	5	5	5	4	4	3							
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
	Distance	8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1							
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	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	81.7	81.7	81.7				
Facade Noise Levels dB(A)		80.9	81.9	82.8	83.0	82.5	81.5	82.6	82.9	82.8	82.8	82.0	82.1	80.6	79.3	78.0	76.5							
HKPSG Exceedances		10.9	11.9	12.6	13.0	12.6	11.5	12.6	12.9	12.8	12.8	12.0	12.1	10.6	9.3	8.0	6.5							
		16 = number of hours exceeded 70 dB(A)																						
6040	LV	1,924	1,653	1,202	1,018	1,020	981	979	1,114	1,012	1,196	1,299	1,763	1,623	1,199	886	654	1,499	1,301	1,170				
	HV	763	861	985	1,148	1,122	978	961	1,068	1,216	1,140	1,044	1,009	907	566	353	220	855	1,033	883				
	SPD	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	14	14	16				
	total	2688	2514	2187	2167	2142	1959	1939	2182	2228	2336	2344	2773	2531	1765	1238	874							
	% HV	28	34	45	53	52	50	50	49	55	49	45	36	36	32	28	25							
	BNL	76	76	76	76	76	75	75	76	76	76	76	76	77	78	75	73							
	% HV	4	5	6	6	6	6	6	6	6	6	6	6	5	5	4	4							
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
	Distance	8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1							
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	Average Level over 16 hr					
Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	82.7	82.7	82.7				
Facade Noise Levels dB(A)		82.1	82.6	83.0	83.7	83.6	83.0	82.9	83.4	83.9	83.6	83.3	83.2	82.8	80.8	78.8	76.8							
HKPSG Exceedances		12.1	12.6	13.0	13.7	13.6	13.0	12.9	13.4	13.9	13.6	13.3	13.2	12.8	10.8	8.8	6.8							
		16 = number of hours exceeded 70 dB(A)																						
6051	LV	378	526	507	438	400	356	425	499	444	498	447	484	499	339	315	276	497	450	414				
	HV	623	569	634	880	872	797	695	817	928	795	711	757	513	334	187	196	540	684	653				
	SPD	35.5	35.5	35.5	26.5	26.5	26.5	26.5	26.5	26.5	23.0	23.0	23.0	23.0	26.5	26.5	26.5	36	23	27				
	total	1002	1095	1140	1318	1272	1153	1120	1316	1370	1292	1158	1241	1011	673	501	473							
	% HV	62	52	56	67	69	62	62	68	61	61	61	61	51	50	37	42							
	BNL	72	73	73	73	73	73	73	73	74	73	73	73	73	72	70	69							
	% HV	6	5	5	6	6	6	6	6	6	6	6	6	6	5	4	4							
	Gradient	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1							
	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	Average Level over 16 hr					
Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	77.0	77.0	77.0				
Facade Noise Levels dB(A)		78.4	78.1	78.5	78.3	78.3	77.9	77.3	78.0	78.5	78.4	77.9	78.1	76.5	74.2	71.8	72.0							
HKPSG Exceedances		6.4	6.1	6.5	8.3	8.3	7.9	7.3	8.0	8.5	8.4	7.9	8.1	6.5	4.2	1.8	2.0							

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2001 CTS-3 (815100) MAIN MODEL RUN - Ver 48 (LOW/BUDGET TOLL)

2001 CTS-3 (815100) MAIN MODEL RUN - Ver 48 (LOW/BUDGET TOLL)																						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							
6057	LV	1,952	1,527	1,186	1,059	1,061	1,020	1,018	1,158	1,053	1,236	1,306	1,808	1,688	1,247	921	680	1,385	1,308	1,217				
	HV	677	824	823	1,072	1,048	913	897	997	1,136	1,031	849	883	847	528	329	205	620	840	825				
	SPD	43.5	43.5	43.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	44	43	43				
	total	2628	2151	2009	2131	2108	1933	1915	2155	2188	2267	2156	2691	2535	1775	1250	886							
	% HV	25	29	41	50	50	47	47	46	52	45	39	33	33	30	26	23							
	BNL	76	76	75	75	75	75	75	76	76	76	76	76	76	75	73	72							
	% HV	2	3	4	5	5	5	4	4	5	4	3	3	3	3	2	2							
	Gradient	3 Gradient	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1							
	Distance	12 Distance	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-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						
Angle	160 angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5							
	Average Level over 16 hr																	80.6						
	Facade Noise Levels dB(A)	80.1	79.6	80.5	81.5	81.4	80.9	80.8	81.3	81.8	81.4	80.7	81.0	80.8	78.9	76.9	75.0							
	HKPSG Exceedances	10.1	9.6	10.5	11.5	11.4	10.9	10.8	11.3	11.8	11.4	10.7	11.0	10.8	8.9	8.9	5.0							
	16 = number of hours exceeded 70 dB(A)																							
6059	LV	913	996	822	720	689	705	546	674	744	696	854	898	855	662	670	628	909	804	726				
	HV	1,011	971	1,417	1,770	1,628	1,231	1,605	1,733	1,699	1,663	1,269	1,359	1,007	725	524	360	962	1,277	1,285				
	SPD	41.8	41.8	41.8	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	42	40	40				
	total	1924	1967	2239	2490	2317	1936	2151	2407	2443	2358	2124	2258	1863	1388	1194	988							
	% HV	53	49	63	71	70	64	75	72	70	71	60	60	54	52	44	36							
	BNL	75	75	76	76	76	75	76	76	76	76	76	75	76	75	74	73							
	% HV	5	5	6	6	6	6	6	6	6	6	5	5	5	5	4	4							
	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	-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						
Angle	160 angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5							
	Average Level over 16 hr																	79.1						
	Facade Noise Levels dB(A)	78.3	78.2	79.7	80.6	80.2	79.1	80.2	80.5	80.4	80.3	79.2	79.5	79.3	76.9	75.6	74.1							
	HKPSG Exceedances	8.3	8.2	9.7	10.6	10.2	9.1	10.2	10.5	10.4	10.3	9.2	9.5	8.3	6.9	5.6	4.1							
	16 = number of hours exceeded 70 dB(A)																							
6201	LV	3,489	3,832	3,498	3,177	2,522	2,577	2,409	2,877	2,926	3,232	3,611	4,152	3,728	3,237	2,812	2,442	3,588	3,567	3,040				
	HV	2,857	3,184	4,114	4,823	4,587	4,759	4,382	4,987	4,925	4,850	3,753	3,111	2,328	1,780	1,362	1,042	3,225	3,586	3,578				
	SPD	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	58.5	58.5	58.5	60.0	60.0	60.0	60	59	60				
	total	6346	7016	7811	8000	7109	7337	6792	7864	7851	7882	7365	7263	6055	5018	4173	3483							
	% HV	45	45	54	60	65	65	65	63	63	59	51	43	38	35	33	30							
	BNL	80	81	81	81	81	81	81	81	81	81	81	81	80	79	78	78							
	% HV	5	5	6	6	6	6	6	6	6	6	5	5	4	4	4	4							
	Gradient	0 Gradient	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	-1						
	Surface	1 Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0														