

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2016CTS-3(815100)MAIN MODEL RUN-V86 SCI Low Rev Rec Budget Toll with New Bus

		Hour Start / 2-way Hourly Traffic Volume (veh.) or Speed (km/hr)																						Model Output		
Stn.		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	AM			PM			OP		
1003	LV	6,993	9,053	10,219	8,267	7,749	7,643	5,763	7,000	7,886	8,786	8,154	9,382	8,667	7,366	6,264	9,325	8,489	8,265	7,816	1,808	2,155	1,995	66	69	72
	HV	1,357	1,643	2,557	3,123	3,102	3,058	2,504	2,839	2,786	2,826	2,321	1,439	1,003	641	410	262	1,808	2,155	1,995	66	69	72	66	69	72
	SPD	66.0	66.0	66.0	72.0	72.0	72.0	72.0	72.0	72.0	69.0	69.0	69.0	69.0	69.0	72.0	72.0	66.0	66.0	66.0	66.0	69.0	69.0	66.0	69.0	72.0
	total	8350	10696	12776	11390	10851	10701	8268	9839	10672	11613	10475	10822	9670	8009	6674	5587	8350	10696	12776	11390	10851	10701	8268	9839	10672
	% HV	16	15	20	27	29	29	30	29	26	24	22	13	10	8	6	5	16	15	20	27	29	29	30	29	26
	BNL	81	82	83	83	83	82	81	82	82	83	82	83	82	81	80	80	81	82	83	83	83	83	82	81	80
	% HV	3	2	3	4	4	4	5	4	4	4	4	2	2	2	1	1	3	2	3	4	4	4	5	4	4
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Distance	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
	Surface	p	p	p	p	p	p	p	p	p	p	p	p	p	p	p	p	p	p	p	p	p	p	p	p	p
	Angle	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160
Facade Noise Levels dB(A)		80.0	80.9	82.4	83.2	83.1	83.0	82.1	82.7	82.7	82.7	82.0	80.9	79.9	78.9	77.8	76.7	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
HKPSG Exceedances		10.0	10.9	12.4	13.2	13.1	13.0	12.1	12.7	12.7	12.7	12.0	10.9	9.9	8.9	7.8	6.7	16	16	16	16	16	16	16	16	16
		16 = number of hours exceeded 70 dB(A)																								
1004	LV	2,020	2,212	1,896	1,943	1,843	1,889	1,566	1,843	1,832	1,903	1,932	2,078	2,314	2,155	2,008	1,870	2,013	1,881	1,959	1,628	1,304	1,411	35	38	37
	HV	1,220	1,617	1,729	1,929	1,814	1,700	1,726	1,822	1,887	1,694	1,389	1,078	865	814	765	720	1,628	1,304	1,411	1,628	1,304	1,411	35	38	37
	SPD	34.5	34.5	34.5	37.0	37.0	37.0	37.0	37.0	37.0	38.0	38.0	38.0	38.0	37.0	37.0	37.0	35	35	35	35	35	35	35	38	37
	total	3240	3829	3625	3872	3656	3589	3291	3665	3719	3597	3321	3156	3179	2969	2773	2590	3240	3829	3625	3872	3656	3589	3291	3665	3719
	% HV	38	42	48	50	50	47	52	50	51	47	42	34	27	27	28	28	38	42	48	50	50	47	52	50	51
	BNL	77	78	78	78	78	78	77	78	78	78	77	77	77	77	77	76	77	78	78	78	78	77	77	77	76
	% HV	4	4	5	5	5	4	5	5	5	4	4	3	2	2	3	3	4	4	5	5	5	4	5	5	4
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Distance	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
	Surface	i	i	i	i	i	i	i	i	i	i	i	i	i	i	i	i	i	i	i	i	i	i	i	i	i
	Angle	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160
Facade Noise Levels dB(A)		79.5	80.7	80.9	81.3	81.0	80.8	80.8	81.1	81.2	80.8	80.0	79.0	78.3	78.0	77.7	77.5	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
HKPSG Exceedances		9.5	10.7	10.9	11.3	11.0	10.8	10.8	11.1	11.2	10.6	10.0	9.0	8.3	8.0	7.7	7.5	16	16	16	16	16	16	16	16	16
		16 = number of hours exceeded 70 dB(A)																								
1017	LV	1,313	1,648	1,287	1,212	1,149	1,178	978	1,149	1,142	1,174	1,146	1,267	1,443	1,344	1,252	1,166	1,500	1,116	1,222	976	774	857	36	39	37
	HV	738	969	1,043	1,171	1,101	1,032	1,047	1,106	1,145	1,023	824	648	525	494	464	437	976	774	857	976	774	857	36	39	37
	SPD	35.5	35.5	35.5	36.8	36.8	36.8	36.8	36.8	36.8	38.5	38.5	38.5	38.5	38.5	38.5	38.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	38	37
	total	2052	2617	2330	2383	2250	2210	2024	2255	2288	2197	1970	1914	1968	1838	1716	1603	2052	2617	2330	2383	2250	2210	2024	2255	2288
	% HV	36	37	45	49	49	47	52	49	50	47	42	34	27	27	27	27	36	37	45	49	49	47	52	49	50
	BNL	75	76	76	76	76	76	75	76	76	76	75	75	75	75	75	74	75	76	76	76	76	75	75	75	74
	% HV	3	4	4	5	5	5	5	5	5	4	4	3	2	2	2	2	3	4	4	5	5	5	5	5	4
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Distance	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
	Surface	i	i	i	i	i	i	i	i	i	i	i	i	i	i	i	i	i	i	i	i	i	i	i	i	i
	Angle	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160
Facade Noise Levels dB(A)		80.5	81.6	81.8	82.3	82.0	81.7	81.7	82.0	82.2	81.7	80.8	79.9	79.2	79.0	78.7	78.4	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
HKPSG Exceedances		10.5	11.6	11.8	12.3	12.0	11.7	11.7	12.0	12.2	11.7	10.8	9.9	9.2	9.0	8.7	8.4	16	16	16	16	16	16	16	16	16
		16 = number of hours exceeded 70 dB(A)																								
1219	LV	885	1,535	1,551	1,146	1,096	1,256	1,145	1,246	1,340	1,352	1,497	1,639	1,782	1,340	1,008	758	1,451	1,499	1,233	1,060	1,257	971	37	35	39
	HV	753	1,081	1,189	1,170	1,286	1,158	1,241	1,125	1,176	1,226	1,307	1,056	968	671	465	322	1,060	1,257	971	1,060	1,257	971	37	35	39
	SPD	36.7	36.7	36.7	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	36.7	36.7	36.7	36.7	36.7	36.7	36.7	39	37
	total	1638	2616	2740	2316	2382	2415	2386	2371	2517	2578	2803	2695	2750	2011	1473	1081	1638	2616	2740	2316	2382	2415	2386	2371	2517
	% HV	46	41	43	51	54	48	52	47	47	48	47	39	35	33	32	30	46	41	43	51	54	48	52	47	47
	BNL	74	76	77	76	76	76	76	76	76	76	77	77	77	75	74	73	74	76	77	76	76	76	76	77	76
	% HV	4	4	4	5	5	5	5	4	4	4	4	4	3	3	3	3	4	4	4	5	5	5	5	5	4
	Gradient	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	Distance	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	Surface	i	i	i	i	i	i	i	i	i	i	i	i	i	i	i	i	i	i	i	i	i	i	i	i	i
	Angle	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160
Facade Noise Levels dB(A)		82.6	84.2	84.6	84.5	84.8	84.4	84.7	84.3	84.5	84.7	85.0	84.2	83.9	82.3	80.8	79.3	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
HKPSG Exceedances		12.6	14.2	14.6	14.5																					

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Stn.		Hour Start / 2-way Hourly Traffic Volume (veh.) or Speed (km/hr)																						Model Output			
		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22							AM	PM	DP	
1424	LV	1,122	1,358	1,087	1,048	993	1,018	844	993	987	1,033	1,075	1,136	1,247	1,162	1,082	1,008							1,236	1,046	1,056	
	HV	897	927	989	1,101	1,035	970	984	1,040	1,077	964	782	611	493	464	437	411							933	734	805	
	SPD	43.0	43.0	43.0	45.0	45.0	45.0	45.0	45.0	45.0	46.0	46.0	46.0	46.0	45.0	45.0	45.0							43	46	45	
	total	1819	2285	2076	2148	2028	1988	1829	2033	2064	1996	1856	1747	1741	1626	1519	1419										
	% HV	38	41	48	51	51	49	54	51	52	48	42	35	28	29	29	28										
	BNL	75	76	75	76	75	75	75	75	75	75	75	75	75	74	74	74										
	% HV	4	4	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	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)	79.0	80.2	80.3	80.8	80.5	80.3	80.3	80.6	80.7	80.3	79.5	78.6	77.8	77.5	77.3	77.0										
	HKPSG Exceedances	9.0	10.2	10.3	10.8	10.5	10.3	10.3	10.6	10.7	10.3	9.5	8.6	7.8	7.5	7.3	7.0										
	16	= number of hours exceeded 70 dB(A)																									
1433	LV	374	565	500	433	445	462	439	444	457	498	598	515	533	452	384	325							522	578	440	
	HV	319	357	441	510	581	450	497	441	503	471	321	252	175	124	88	62							366	314	352	
	SPD	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.3	20.3	20.3	20.3	20.0	20.0	20.0							20	20	16	
	total	693	922	940	943	1026	912	936	885	960	970	916	766	709	576	471	387										
	% HV	46	39	47	54	57	49	53	50	52	49	35	33	25	21	19	18										
	BNL	71	72	72	72	72	72	72	72	72	72	72	71	71	70	69	68										
	% HV	6	5	6	6	7	6	6	6	6	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	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									
	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)	78.1	78.7	79.5	80.1	80.7	79.6	80.0	79.5	80.1	79.7	78.2	77.2	75.7	74.4	73.0	71.6										
	HKPSG Exceedances	8.1	8.7	9.5	10.1	10.7	9.6	10.0	9.5	10.1	9.7	8.2	7.2	5.7	4.4	3.0	1.8										
	16	= number of hours exceeded 70 dB(A)																									
1443	LV	862	1,004	825	814	772	791	656	772	768	794	792	662	970	903	841	764							914	771	821	
	HV	754	1,050	1,087	1,169	1,099	1,030	1,046	1,104	1,143	1,034	898	663	524	483	464	436							1,057	815	855	
	SPD	29.0	29.0	29.0	29.5	29.5	29.5	29.5	29.5	29.5	32.0	32.0	32.0	32.0	29.5	29.5	29.5							29	32	30	
	total	1616	2054	1912	1983	1871	1822	1702	1876	1911	1827	1660	1525	1494	1396	1305	1220										
	% HV	47	51	57	59	59	57	61	59	60	57	52	43	35	35	36	36										
	BNL	74	75	75	75	75	75	75	75	75	75	74	74	74	74	73	73										
	% HV	5	5	5	6	6	5	6	6	6	5	4	3	4	4	4	4										
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
	Distance	8	Distance	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
	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	82.0	82.1	82.4	82.1	81.9	81.9	82.1	82.3	81.7	81.0	79.9	79.1	78.9	78.6	78.3										
	HKPSG Exceedances	10.6	12.0	12.1	12.4	12.1	11.9	11.9	12.1	12.3	11.7	11.0	9.9	9.1	8.9	8.6	8.3										
	16	= number of hours exceeded 70 dB(A)																									
1617	LV	1,830	1,959	1,575	1,526	1,447	1,483	1,229	1,447	1,438	1,509	1,589	1,666	1,817	1,692	1,576	1,468							1,783	1,547	1,538	
	HV	804	1,037	1,128	1,282	1,206	1,130	1,147	1,211	1,254	1,089	789	668	575	541	509	478							1,044	741	938	
	SPD	44.0	44.0	44.0	48.5	46.5	46.5	46.5	46.5	48.5	47.0	47.0	47.0	47.0	46.5	46.5	46.5							44	47	47	
	total	2434	2996	2704	2808	2652	2613	2376	2658	2692	2598	2378	2334	2392	2233	2085	1947										
	% HV	33	35	42	46	45	43	48	46	47	42	33	29	24	24	24	25										
	BNL	76	77	77	77	76	76	76	76	76	76	76	76	76	76	75	75										
	% HV	3	3	4	5	5	4	5	5	5	4	3	2	2	2	2	2										
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
	Distance	12	Distance	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-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									</

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

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Stn.		Hour Start / 2-way Hourly Traffic Volume (veh.) or Speed (km/hr)																Model Output		
		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	AM	PM	OP
2033	LV	347	568	596	457	437	501	457	497	535	489	366	531	711	535	402	303	537	367	492
	HV	326	547	543	478	526	473	507	460	481	469	410	379	396	274	190	132	536	394	397
	SPD	22.5	22.5	22.5	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23	23	23
	total	672	1115	1139	935	963	975	964	957	1016	958	776	909	1107	809	592	434			
	% HV	48	49	48	51	55	49	53	48	47	49	53	42	36	34	32	30			
	BNL	70	73	73	72	72	72	72	72	72	72	71	72	73	71	70	69			
	% HV	6	6	5	6	6	5	6	5	5	5	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			
2201	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr		
	Facade Noise Levels dB(A)	78.6	80.8	80.8	80.2	80.5	80.1	80.4	80.0	80.2	80.1	79.5	79.2	79.5	77.9	76.4	74.8	79.5		
	HKPSG Exceedances	8.6	10.8	10.8	10.2	10.5	10.1	10.4	10.0	10.2	10.1	9.5	9.2	9.5	7.9	6.4	4.8			
		16	= number of hours exceeded 70 dB(A)																	
	LV	2,112	2,805	2,160	1,695	1,582	1,560	1,571	1,617	1,878	1,738	1,798	2,440	2,809	2,040	1,595	1,247	2,244	1,787	1,854
	HV	1,050	1,167	1,163	1,128	1,191	1,157	1,131	1,150	1,214	1,188	859	938	882	839	463	335	1,130	851	975
	SPD	34.5	34.5	34.5	38.0	38.0	38.0	38.0	38.0	38.0	39.5	39.5	39.5	39.5	38.0	38.0	38.0	35	40	38
	total	3,161	3,772	3,323	2,824	2,753	2,717	2,703	2,767	3,092	2,925	2,657	3,378	3,490	2,679	2,058	1,583			
	% HV	33	31	35	40	43	43	42	42	39	41	32	28	25	24	22	21			
	BNL	77	78	77	77	77	77	77	77	77	77	76	77	78	76	75	74			
2215	% 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			
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr		
	Facade Noise Levels dB(A)	82.3	82.8	82.7	82.4	82.6	82.5	82.4	82.5	82.8	82.7	81.4	82.0	81.8	80.4	79.1	77.7	81.9		
	HKPSG Exceedances	12.3	12.8	12.7	12.4	12.6	12.5	12.4	12.5	12.8	12.7	11.4	12.0	11.8	10.4	9.1	7.7			
		16	= number of hours exceeded 70 dB(A)																	
	LV	1,345	2,323	2,154	1,457	1,365	1,347	1,016	1,233	1,390	1,611	1,697	1,792	1,527	1,298	1,104	938	2,178	1,720	1,342
	HV	347	485	686	762	757	747	611	593	680	741	731	403	245	157	100	64	534	679	487
3001	SPD	68.5	66.5	66.5	70.0	70.0	70.0	70.0	70.0	69.5	69.5	69.5	69.5	69.5	70.0	70.0	70.0	67	70	70
	total	1,693	2,808	2,840	2,219	2,123	2,093	1,627	1,926	2,070	2,352	2,428	2,195	1,772	1,455	1,204	1,002			
	% HV	21	17	24	34	36	36	38	36	33	32	30	18	14	11	8	6			
	BNL	74	77	77	76	75	75	74	75	75	76	76	76	75	74	73	72			
	% HV	3	3	4	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			
	Distance	20	Distance	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2			
	Surface	1	Surface	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5	-3.5			
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr		
	Facade Noise Levels dB(A)	73.7	75.5	76.4	76.6	76.5	76.5	75.5	76.1	76.2	76.5	76.6	74.8	73.2	71.9	70.6	69.4	75.2		
3002	HKPSG Exceedances	3.7	5.5	6.4	6.6	6.5	6.5	5.5	6.1	6.2	6.5	6.6	4.8	3.2	1.9	0.6	0.6			
		15	= number of hours exceeded 70 dB(A)																	
	LV	3,724	3,858	4,056	4,226	3,862	4,189	3,851	4,310	4,397	4,086	4,087	4,795	5,049	4,401	4,824	5,096	3,743	4,029	4,417
	HV	1,494	1,194	1,527	1,543	1,907	1,610	1,798	1,929	1,675	1,850	1,387	1,213	878	747	574	496	1,209	1,390	1,406
	SPD	59.0	59.0	59.0	56.0	56.0	56.0	56.0	56.0	56.0	58.0	58.0	58.0	58.0	56.0	56.0	56.0	59	58	58
	total	5,219	5,052	5,583	5,769	5,799	5,849	5,649	6,239	6,272	5,936	5,474	6,008	5,927	5,149	5,398	5,592			
	% HV	29	24	27	28	33	28	32	31	30	31	25	20	15	15	11	9			
	BNL	79	79	80	80	80	80	80	80	80	80	80	80	80	79	80	80			
	% HV	4	3	3	3	4	3	4	4	4	4	3	2	2	1	1	0			
	Gradient	3	Gradient	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
3010	Distance	21	Distance	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3			
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr		
	Facade Noise Levels dB(A)	82.3	81.5	82.4	82.5	83.0	82.4	82.8	83.1	83.0	83.0	82.0	81.8	80.9	80.1	79.6	79.4	82.0		
	HKPSG Exceedances	12.3	11.5	12.4	12.5	13.0	12.4	12.8	13.1	13.0	13.0	12.0	11.8	10.9	10.1	9.6	9.4			
		16	= number of hours exceeded 70 dB(A)																	
	LV	3,604	3,597	3,536	3,487	2,245	2,059	1,896	2,119	2,648	3,591	2,949	3,744	3,004	2,125	2,606	2,481	3,289	3,174	2,759
	HV	1,566	1,907	2,193	2,528	3,139	2,737	2,698	3,298	3,130	2,668	2,352	2,379	2,055	1,329	823	767	1,861	2,226	2,274
	SPD	60.8	60.8	60.8	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	58.3	61	59	59
	total	5,170	5,503	5,728	6,015	5,384	4,795	4,594	5,417	5,778	6,260	5,301	6,123	5,059	3,455	3,428	3,248			
	% HV	30	34	38	42	58	57	59	61	54	43	44	39	41	38	24	24			
	BNL	79	80	80	80	80	79	79	80	80	80	79	80	79	78	78	77			
	% HV	4	4	5	5	6	6	6	6	6	5	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			
	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)	86.9	87.6	88.1	88.5	89.2	88.6	88.5	89.4	89.2	88.7	88.2	86.3	87.7	85.8	84.3	84.0	87.9		
	HKPSG Exceedances	16.9	17.6	18.1	18.5	19.2	18.6	18.5	19.4	19.2	18.7	18.2	18.3	17.7	15.8	14.5	14.0			
		16	= number of hours exceeded 70 dB(A)																	
3010	LV	942	1,402	1,371	1,195	1,098	1,143	1,207	1,242	1,375</										

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2016CTS-3(815100)MAIN MODEL RUN-V86 SCI Low Rev Rec Budget Toll with New Bus

		Hour Start / 2-way Hourly Traffic Volume (veh.) or Speed (km/hr)																						Model Output		
Stn.		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	AM		PM		OP				
3012	LV	1,854	1,794	1,918	1,963	1,951	1,852	1,754	2,054	2,117	2,118	2,064	2,824	2,497	1,994	1,593	1,272	1,802	2,052	2,002						
	HV	892	1,208	1,442	1,716	1,693	1,550	1,451	1,644	1,798	1,624	1,300	1,281	952	663	462	322	1,212	1,273	1,252						
	SPD	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	28.5	28.5	28.5	28.5	28.5	29.5	29.5	30	29	30						
	total	2746	3003	3360	3679	3644	3402	3204	3697	3915	3742	3364	3505	3448	2658	2056	1595									
	% HV	32	40	43	47	46	45	44	46	43	39	33	28	25	22	20										
	BNL	77	77	77	78	78	78	77	78	78	78	77	78	78	76	75	74									
	% HV	3	4	4	5	5	5	4	4	5	4	4	3	3	2	2										
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
	Distance	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10									
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
	Angle	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160									
	Facade Noise Levels dB(A)	80.8	82.0	82.7	83.5	83.4	83.0	82.7	83.3	83.7	83.3	82.4	82.4	81.3	79.7	78.3	76.8									
	HKPSG Exceedances	10.8	12.0	12.7	13.5	13.4	13.0	12.7	13.3	13.7	13.3	12.4	12.4	11.3	9.7	8.3	6.8									
	16 = number of hours exceeded 70 dB(A)																									
3204	LV	4,645	4,767	4,558	4,494	2,894	2,653	2,443	2,730	3,413	4,601	3,703	4,766	3,872	2,739	3,358	3,198	4,241	3,985	3,555						
	HV	1,850	2,304	2,609	2,968	3,585	3,213	3,168	3,872	3,674	3,147	2,824	2,820	2,412	1,561	966	900	2,248	2,672	2,669						
	SPD	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	44.5	44.5	44.5	44.5	48.0	48.0	48.0	48	45	48						
	total	6495	7071	7167	7461	6579	5866	5611	6602	7088	7748	6527	7586	6284	4300	4323	4098									
	% HV	28	33	36	40	56	55	56	59	52	41	43	37	38	36	22	22									
	BNL	80	81	81	81	80	80	80	80	81	80	81	80	81	80	79	78									
	% HV	3	3	4	4	5	5	5	5	5	4	4	4	4	4	2	2									
	Gradient	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8									
	Distance	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10									
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
	Angle	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160									
	Facade Noise Levels dB(A)	86.1	86.9	87.3	87.8	88.5	87.9	87.8	88.7	88.5	87.9	87.4	87.5	86.8	85.1	83.5	83.3									
	HKPSG Exceedances	16.1	16.9	17.3	17.8	18.5	17.9	17.8	18.7	18.5	17.9	17.4	17.5	16.6	15.1	13.5	13.3									
	16 = number of hours exceeded 70 dB(A)																									
3212	LV	3,362	3,829	3,979	3,740	3,886	4,113	3,841	4,113	4,026	4,200	3,581	4,277	4,569	3,872	3,282	2,782	3,725	3,518	3,902						
	HV	1,924	2,015	2,333	2,543	2,520	2,580	2,556	2,515	2,756	2,527	2,317	2,159	1,786	1,273	907	646	2,105	2,229	2,070						
	SPD	37.0	37.0	37.0	38.0	38.0	38.0	38.0	38.0	38.0	37.0	37.0	37.0	37.0	38.0	38.0	38.0	37	37	38						
	total	5286	5843	6312	6283	6406	6793	6400	6627	6781	6727	5898	6436	6355	5145	4189	3428									
	% HV	36	34	37	40	39	39	40	38	41	38	39	34	28	25	22	19									
	BNL	79	80	80	80	80	81	80	80	81	80	80	80	80	79	78	78									
	% HV	3	3	4	4	4	4	4	4	4	4	4	3	3	2	2	1									
	Gradient	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3									
	Distance	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12									
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
	Angle	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160									
	Facade Noise Levels dB(A)	84.2	84.5	85.0	85.4	85.3	85.6	85.4	85.4	85.7	85.4	85.0	84.8	84.1	82.8	81.4	80.1									
	HKPSG Exceedances	14.2	14.5	15.0	15.4	15.3	15.6	15.4	15.4	15.7	15.4	15.0	14.8	14.1	12.8	11.4	10.1									
	16 = number of hours exceeded 70 dB(A)																									
3214	LV	917	938	1,672	1,437	831	1,521	933	1,997	1,055	1,467	2,170	1,596	1,680	1,848	1,932	1,792	1,214	1,971	1,456						
	HV	463	562	748	1,146	1,197	937	1,223	885	1,140	900	633	655	375	252	198	284	580	854	755						
	SPD	30.0	30.0	30.0	28.0	28.0	28.0	28.0	28.0	28.0	27.0	27.0	27.0	27.0	28.0	28.0	28.0	30	27	28						
	total	1380	1500	2420	2583	2028	2458	2156	2882	2194	2367	2803	2240	2055	2100	2129	2075									
	% HV	34	37	31	44	59	38	57	31	52	38	23	29	18	12	9	14									
	BNL	74	74	76	76	75	76	76	77	76	76	77	76	75	75	75	75									
	% HV	3	4	3	5	6	4	5	3	5	4	2	3	1	0	0	0									
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
	Distance	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12									
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
	Angle	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160									
	Facade Noise Levels dB(A)	77.3	78.1	79.5	81.2	81.3	80.4	81.4	80.3	81.1	80.3	79.2	79.1	77.1	75.8	75.1	75.1									
	HKPSG Exceedances	7.3	8.1	9.5	11.2	11.3	10.4	11.4	10.3	11.1	10.3	9.2	9.1	7.1	5.6	5.1	6.1									
	16 = number of hours exceeded 70 dB(A)																									
3219	LV	873	610	755	816	801	868	759	938	826	825	818	1,146	1,187	937	741	585	573	810	885						
	HV	349	341	438	539	583	531	581	572	502	506	377	300	222	160	115	82	361	362	393						
	SPD	46.0	46.0	46.0	44.0	44.0	44.0	44.0	44.0	44.0	45.5	45.5	45.5	45.5	44.0	44.0	44.0	46	46	44						
	total	1222	951	1193	1356	1384	1399	1320	1510	1328	1331	1192	1446	1409	1097	855	667									
	% HV	29	36	37	40	42	38	42	38	38	38	32	21	16	15	13	12									
	BNL	73	72	73	74	74	74	73	74	73	73	73	74	74	73	72	70									
	% HV	3	4	4	4	4	4	4	4	4	4	3	2	1	1	0	0				</					

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2016CTS-3(815100)MAIN MODEL RUN-V86 SCI Low Rev Rec Budget Toll with New Bus

		Hour Start / 2-way Hourly Traffic Volume (veh.) or Speed (km/hr)																					Model Output		
Stn.		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	AM		PM		OP			
3235	LV	1,546	1,545	1,448	1,151	1,016	1,153	1,055	1,103	1,115	1,119	1,251	1,394	1,634	1,335	1,092	892	1,403	1,210	1,222					
	HV	865	693	825	714	747	719	749	735	871	765	781	680	657	466	331	235	704	710	667					
	SPD	45.5	45.5	45.5	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	46	47	47					
	total	2411	2238	2273	1865	1763	1873	1804	1838	1986	1885	2012	2073	2291	1802	1422	1127								
	% HV	36	31	36	38	42	38	42	40	44	41	38	33	29	26	23	21								
	BNL	76	76	76	75	75	75	75	75	75	75	75	75	75	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								
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr							
	Facade Noise Levels dB(A)	81.1	80.2	80.9	80.2	80.3	80.3	80.4	80.3	81.0	80.5	80.5	80.2	80.2	78.8	77.4	76.1								
	HKPSG Exceedances	11.1	10.2	10.9	10.2	10.3	10.3	10.4	10.3	11.0	10.5	10.5	10.2	10.2	8.8	7.4	6.1								
		16 = number of hours exceeded 70 dB(A)																							
3402	LV	1,127	1,620	1,496	1,477	1,303	1,510	1,417	1,517	1,479	1,410	1,218	1,713	1,564	1,322	1,118	945	1,442	1,268	1,400					
	HV	369	457	603	812	804	722	763	747	730	770	583	559	378	317	266	224	443	568	587					
	SPD	28.8	28.8	28.8	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	29	29	29					
	total	1496	2078	2099	2289	2106	2231	2180	2263	2209	2180	1801	2272	1942	1640	1384	1169								
	% HV	25	22	29	35	38	32	35	33	33	35	32	25	19	19	19	19								
	BNL	74	75	75	76	75	76	76	76	76	76	75	76	75	74	74	73								
	% HV	2	2	3	4	4	3	4	3	3	4	3	2	1	1	1	1								
	Gradient	6	Gradient	2	2	2	2	2	2	2	2	2	2	2	2	2	2								
	Distance	21	Distance	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3								
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0								
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr							
	Facade Noise Levels dB(A)	76.4	77.5	78.5	79.5	79.5	79.2	79.4	79.3	79.2	79.4	78.2	78.3	76.8	76.0	75.3	74.5								
	HKPSG Exceedances	6.4	7.5	8.5	9.6	9.5	9.2	9.4	9.3	9.2	9.4	8.2	8.3	6.8	6.0	5.3	4.5								
		16 = number of hours exceeded 70 dB(A)																							
3403	LV	995	1,416	1,317	1,306	1,152	1,335	1,253	1,342	1,308	1,273	1,191	1,583	1,384	1,170	989	836	1,260	1,240	1,238					
	HV	414	522	679	906	897	805	851	833	815	848	610	607	422	354	297	250	505	594	655					
	SPD	37.5	37.5	37.5	35.5	35.5	35.5	35.5	35.5	35.5	35.0	35.0	35.0	35.0	35.0	35.5	35.5	38	35	36					
	total	1408	1938	1996	2213	2049	2141	2105	2175	2123	2121	1801	2189	1806	1524	1286	1086								
	% HV	29	27	34	41	44	38	40	38	38	40	34	28	23	23	23	23								
	BNL	74	75	75	76	75	76	75	76	75	75	75	75	75	74	73	73								
	% HV	3	2	3	4	4	4	4	4	4	4	3	3	2	2	2	2								
	Gradient	6	Gradient	2	2	2	2	2	2	2	2	2	2	2	2	2	2								
	Distance	21	Distance	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3								
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0								
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr							
	Facade Noise Levels dB(A)	76.6	77.7	78.7	79.8	79.7	79.3	79.5	79.5	79.4	79.5	78.2	78.3	76.8	76.2	75.4	74.7								
	HKPSG Exceedances	6.6	7.7	8.7	9.8	9.7	9.3	9.5	9.5	9.4	9.5	8.2	8.3	6.9	6.2	5.4	4.7								
		16 = number of hours exceeded 70 dB(A)																							
3404	LV	483	767	643	582	514	595	559	598	583	553	466	667	617	522	441	373	682	485	552					
	HV	275	342	450	605	598	537	568	556	544	563	394	399	282	236	198	167	331	384	437					
	SPD	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	42.0	42.0	42.0	42.0	42.0	39.0	39.0	39	42	39					
	total	738	1109	1092	1187	1112	1133	1127	1154	1127	1115	860	1066	899	758	639	539								
	% HV	37	31	41	51	54	47	50	48	48	50	46	37	31	31	31	31								
	BNL	71	73	73	73	73	73	73	73	73	73	72	72	72	71	70	70								
	% HV	4	3	4	5	5	4	5	5	5	5	4	4	3	3	3	3								
	Gradient	6	Gradient	2	2	2	2	2	2	2	2	2	2	2	2	2	2								
	Distance	21	Distance	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3								
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0								
	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)	74.7	75.8	76.7	77.9	77.8	77.4	77.6	77.6	77.5	77.6	76.1	76.3	75.0	74.2	73.4	72.6								
	HKPSG Exceedances	4.7	5.8	6.7	7.9	7.8	7.4	7.6	7.6	7.5	7.6	6.1	6.3	5.0	4.2	3.4	2.6								
		16 = number of hours exceeded 70 dB(A)																							
3405	LV	4,402	4,324	4,270	4,299	2,768	2,538	2,337	2,812	3,265	4,344	3,338	4,437	3,704	2,620	3,212	3,059	3,847	3,593	3,401					
	HV	1,725	2,228	2,461	2,737	3,400	2,964	2,922	3,572	3,389	2,894	2,568	2,585	2,225	1,440	891	830	2,174	2,430	2,462					
	SPD	47.3	47.3	47.3	47.8	47.8	47.8	47.8	47.8	47.8	46.3	46.3	46.3	46.3	47.8	47.8	47.8	47	46	48					
	total	6127	6552	6731	7036	6168	5502	5259	6384	6653	7239	5907	7022	5929	4060	4103	3889								
	% HV	28	34	37	39	55	54	56	58	51	40	43	37	38	35	22	21								
	BNL	80	80	80	81	80	80	79	80	80	81	80	81	80	78	78	78								
	% HV	3	4	4	4	5	5	5	5	5	4	4	4	4	4	2	2								
	Gradient	3	Gradient	1	1	1	1	1	1	1	1	1	1	1	1	1	1								
	Distance	10	Distance	0	0	0	0	0	0	0	0	0	0	0	0	0	0								
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0								
	Angle																								

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2016CTS-3(815100)MAIN MODEL RUN-V86 SCI Low Rev Rec Budget Toll with New Bus

		Hour Start / 2-way Hourly Traffic Volume (veh.) or Speed (km/hr)																					Model Output		
Stn.		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	AM		PM		OP			
3412	LV	528	500	591	618	642	680	635	680	665	668	478	650	755	640	543	480	486	468	645					
	HV	751	850	936	968	957	1,018	972	955	1,046	969	920	837	678	483	344	245	888	885	786					
	SPD	25.0	25.0	25.0	26.0	26.0	26.0	26.0	26.0	25.5	25.5	25.5	25.5	25.5	26.0	26.0	26.0	25	26	26					
	total	1280	1349	1527	1584	1599	1698	1606	1635	1712	1638	1396	1487	1433	1123	887	705								
	% HV	59	63	61	61	60	60	60	58	61	59	66	56	47	43	39	35								
	BNL	73	74	74	74	74	74	74	74	75	74	74	74	74	73	72	71								
	% HV	6	6	6	6	6	6	6	6	6	6	5	5	5	5	4	4								
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0								
	Distance	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							
3422	LV	779	1,059	1,044	925	946	914	912	994	1,007	988	904	1,006	1,093	982	991	1,005	1,028	912	973					
	HV	417	568	609	736	687	732	671	641	659	672	682	694	588	474	412	381	533	684	600					
	SPD	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23	23	23					
	total	1196	1627	1653	1662	1634	1646	1583	1635	1666	1660	1586	1700	1681	1456	1403	1386								
	% HV	35	35	37	44	42	44	42	39	40	40	43	41	35	33	29	28								
	BNL	73	74	74	74	74	74	74	74	74	74	74	74	75	74	74	74								
	% HV	4	4	4	5	5	5	5	5	5	5	5	5	4	4	4	3								
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0								
	Distance	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							
3423	LV	1,577	2,145	2,113	1,872	1,914	1,849	1,844	2,011	2,037	2,047	2,027	2,137	2,210	1,987	2,004	2,032	2,082	2,043	1,967					
	HV	472	704	709	812	758	807	740	706	728	735	729	754	649	522	455	420	661	731	661					
	SPD	23.5	23.5	23.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	23.0	23.0	23.0	23.0	24.5	24.5	24	23	25					
	total	2049	2849	2822	2683	2672	2656	2584	2717	2783	2782	2758	2892	2859	2509	2456	2452								
	% HV	23	25	25	30	28	30	29	26	26	26	26	26	23	21	18	17								
	BNL	75	77	77	76	76	76	76	77	77	77	77	77	77	76	76	76								
	% HV	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	1								
	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								
	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							
3425	LV	2,815	4,017	3,729	3,695	3,260	3,778	3,546	3,796	3,700	3,589	3,318	4,446	3,914	3,309	2,797	2,365	3,573	3,454	3,502					
	HV	960	1,319	1,615	2,059	2,037	1,830	1,933	1,893	1,852	1,964	1,516	1,433	959	805	676	567	1,277	1,476	1,488					
	SPD	31.0	31.0	31.0	30.5	30.5	30.5	30.5	30.5	30.5	30.0	30.0	30.0	30.0	30.5	30.5	30.5	31	30	31					
	total	3775	5336	5344	5754	5297	5607	5479	5688	5552	5553	4833	5880	4873	4114	3473	2932								
	% HV	25	25	30	36	38	33	35	33	33	35	31	24	20	20	19	19								
	BNL	78	79	79	80	79	80	80	80	80	80	79	80	79	78	78	77								
	% HV	2	2	3	4	4	3	4	3	3	4	3	2	1	1	1	1								
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0								
	Distance	10	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							
3431	LV	2,417	2,088	1,487	1,473	1,338	1,272	1,416	1,544	1,678	1,604	1,719	2,286	2,180	1,937	1,722	1,531	1,774	1,727	1,725					
	HV	541	622	745	876	819	733	832	871	828	806	694	681	618	461	345	257	599	689	878					
	SPD	42.5	42.5	42.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43	44	44					
	total	2959	2710	2232	2349	2157	2005	2248	2415	2504	2410	2413	2966	2797	2399	2067	1788								
	% HV	18	23	33	37	38	37	37	36	33	33	29	23	22	19	17	14								
	BNL	77	77	76	76	76	75	76	76	76	76	76	77	77	76	75	75								
	% HV	1	2	3	4	4	4	4	4	3	3	3	2	2	2	1	1								
	Gradient	3	Gradient	1	1	1	1	1	1	1	1	1	1	1	1	1	1								
	Distance	12	Distance	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1								
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	Average Level over 16 hr							
3433	LV	426	579	601	557	512	533	563	580	642	578	417	593	669	534	426	340	561	445	543					
	HV	250	279	398	424	425	426	380	467	445	398	342	307	247	185	138	104	288	335	330					
	SPD	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27	27	27					
	total	676	858	999	982	937	959	943	1046	1087	974	759	900	916	719	565	444								
	% HV	37	33	40	43	45	44	40	45	41	41	45	34	27	26	25	23								
	BNL	71	72	72	72	72	72	72	72	73	72	71	72	72	71	70	69								
	% HV	4	3	4	5	5	5	4	5	4	4	5	4	3	3	2	2								
	Gradient	0	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0								
	Distance	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							

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2016CTS-3(815100)MAIN MODEL RUN-V86 SCI Low Rev Rec Budget Toll with New Bus

Stn.		Hour Start / 2-way Hourly Traffic Volume (veh.) or Speed (km/hr)																						Model Output		
		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	AM	PM	OP						
3434	LV	792	1,108	1,129	1,028	943	982	1,037	1,087	1,181	1,108	941	1,196	1,232	983	785	826	1,074	1,004	1,000						
	HV	381	492	633	620	621	622	555	682	850	592	539	465	361	270	202	151	507	528	482						
	SPD	25.0	25.0	26.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	28	27	27						
	total	1173	1600	1761	1646	1564	1604	1592	1749	1832	1700	1480	1661	1593	1253	987	778									
	% HV	32	31	36	38	40	39	35	39	35	35	36	28	23	22	20	19									
	BNL	73	74	75	74	74	74	74	74	75	75	74	74	74	73	72	71									
	% HV	4	3	4	4	4	4	4	4	4	4	4	3	2	2	2	2									
Gradient	6	Gradient	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2									
Distance	10	Distance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0									
Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5									
	Facade Noise Levels dB(A)	79.2	80.3	81.3	81.1	81.1	81.1	80.7	81.5	81.4	81.0	80.5	80.1	79.1	77.9	76.7	75.5									
	HKPSG Exceedances	9.2	10.3	11.3	11.1	11.1	11.1	10.7	11.5	11.4	11.0	10.5	10.1	9.1	7.9	6.7	5.5									
	16	= number of hours exceeded 70 dB(A)																								
3436	LV	812	826	928	933	969	1,026	958	1,026	1,004	1,048	887	1,063	1,139	966	818	694	804	871	973						
	HV	865	1,062	1,110	1,076	1,068	1,134	1,082	1,064	1,165	1,085	1,045	941	755	538	384	273	1,110	1,006	876						
	SPD	25.3	25.3	25.3	27.5	27.5	27.5	27.5	27.5	27.5	26.0	26.0	26.0	26.0	27.5	27.5	27.5	25	26	26						
	total	1677	1888	2038	2008	2035	2159	2040	2089	2169	2131	1932	2005	1895	1504	1202	967									
	% HV	52	56	54	54	52	53	53	51	54	51	54	47	40	36	32	28									
	BNL	74	75	75	75	75	76	75	75	76	75	75	75	75	74	73	72									
	% HV	5	6	6	5	5	5	5	5	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	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)	80.2	81.1	81.3	80.9	80.9	81.1	80.9	80.9	81.3	81.1	80.9	80.5	79.7	78.1	76.7	75.3									
	HKPSG Exceedances	10.2	11.1	11.3	10.9	10.9	11.1	10.9	10.9	11.3	11.1	10.9	10.5	9.7	8.1	6.7	5.3									
	16	= number of hours exceeded 70 dB(A)																								
3450	LV	318	794	769	542	539	576	527	603	582	522	560	672	743	654	638	593	724	559	591						
	HV	412	708	771	851	827	786	705	839	823	843	694	675	485	404	326	304	690	705	649						
	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	20	21	21						
	total	730	1502	1540	1394	1365	1362	1232	1442	1505	1365	1254	1347	1228	1058	864	697									
	% HV	56	47	50	61	61	58	57	58	61	62	55	50	39	38	34	34									
	BNL	71	74	74	74	74	74	73	74	74	74	73	73	73	72	72	72									
	% HV	7	6	6	7	7	7	6	7	7	7	6	6	6	5	4	4									
Gradient	0	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
Distance	8	Distance	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0									
Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5									
	Facade Noise Levels dB(A)	79.2	81.6	81.9	82.1	82.0	81.8	81.3	82.0	82.4	82.0	81.2	81.1	79.8	79.0	78.1	77.8									
	HKPSG Exceedances	9.2	11.6	11.9	12.1	12.0	11.8	11.3	12.0	12.4	12.0	11.2	11.1	9.8	9.0	8.1	7.8									
	16	= number of hours exceeded 70 dB(A)																								
3457	LV	266	235	186	199	189	207	217	224	239	248	279	284	288	188	196	187	210	281	220						
	HV	101	118	201	213	201	189	189	196	183	170	146	128	75	50	39	29	141	147	138						
	SPD	37.0	37.0	37.0	36.0	36.0	36.0	36.0	36.0	36.0	35.5	35.5	35.5	35.5	36.0	36.0	36.0	37	36	36						
	total	368	353	388	412	389	397	405	419	421	418	425	413	342	238	235	216									
	% HV	28	33	52	52	52	48	47	47	43	41	34	31	22	21	17	14									
	BNL	68	68	68	68	68	68	68	68	68	68	68	68	68	66	66	66									
	% HV	3	3	5	5	5	4	4	4	4	4	3	3	2	2	1	0									
Gradient	6	Gradient	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2									
Distance	5	Distance	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2									

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2016CTS-3(815100)MAIN MODEL RUN-V86 SCI Low Rev Rec Budget Toll with New Bus

		Hour Start / 2-way Hourly Traffic Volume (veh.) or Speed (km/hr)																Model Output		
Stn.		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	AM	PM	OP
3603	LV	3,720	3,357	3,533	3,594	2,379	2,181	2,008	2,245	2,806	3,732	2,865	3,810	3,183	2,252	2,760	2,629	2,987	3,084	2,923
	HV	1,140	1,386	1,595	1,841	2,287	1,993	1,965	2,402	2,280	1,925	1,630	1,897	1,497	968	599	559	1,352	1,542	1,656
	SPD	58.0	58.0	58.0	56.0	56.0	56.0	56.0	56.0	56.0	57.3	57.3	57.3	57.3	56.0	56.0	56.0	58	57	56
	total	4660	4743	5128	5535	4665	4174	3974	4647	5086	5657	4495	5507	4680	3220	3360	3187			
	% HV	23	29	31	33	49	48	49	52	45	34	36	31	32	30	18	16			
	BNL	79	79	79	80	79	78	78	79	79	80	79	80	79	77	77	77			
	% HV	3	4	4	4	5	5	5	5	5	4	4	4	4	4	2	2			
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10			
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
	Angle	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	Average Level over 16 hr		
Facade Noise Levels dB(A)		83.0	83.5	84.1	84.5	85.1	84.5	84.4	85.2	85.1	84.7	83.9	84.3	83.7	81.8	80.5	80.2	83.9		
HKPSG Exceedances		13.0	13.5	14.1	14.5	15.1	14.5	14.4	15.2	15.1	14.7	13.9	14.3	13.7	11.8	10.5	10.2			
		16 = number of hours exceeded 70 dB(A)																		
3612	LV	950	1,609	1,364	1,288	1,337	1,312	1,280	1,470	1,580	1,450	1,628	1,889	2,160	2,162	2,164	2,166	1,512	1,698	1,616
	HV	790	907	989	1,002	1,015	968	1,042	985	1,017	1,033	962	889	822	686	572	478	895	932	877
	SPD	20.0	20.0	20.0	20.5	20.5	20.5	20.5	20.5	20.5	20.0	20.0	20.0	20.0	20.5	20.5	20.5	20	19	21
	total	1740	2516	2353	2290	2352	2281	2322	2455	2597	2492	2581	2779	2981	2847	2736	2643			
	% HV	45	36	42	44	43	42	45	40	39	41	37	32	32	28	24	21			
	BNL	75	76	76	76	76	76	76	76	76	76	76	76	77	77	77	76			
	% HV	5	5	5	6	5	5	6	5	5	5	5	4	4	3	3	2			
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10			
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
	Angle	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	Average Level over 16 hr		
Facade Noise Levels dB(A)		81.4	82.1	82.4	82.3	82.4	82.2	82.5	82.3	82.4	82.6	82.3	82.0	81.8	81.0	80.3	79.6	81.9		
HKPSG Exceedances		11.4	12.1	12.4	12.3	12.4	12.2	12.5	12.3	12.4	12.6	12.3	12.0	11.8	11.0	10.3	9.6			
		16 = number of hours exceeded 70 dB(A)																		
3616	LV	1,524	1,282	1,380	1,374	1,347	1,461	1,278	1,578	1,390	1,427	1,591	2,050	1,996	1,577	1,246	984	1,204	1,580	1,489
	HV	735	723	924	1,134	1,225	1,116	1,179	1,202	1,055	1,129	1,003	709	467	336	241	173	766	964	826
	SPD	26.0	26.0	26.0	25.0	25.0	25.0	25.0	25.0	25.0	24.0	24.0	24.0	24.0	25.0	25.0	25.0	26	24	25
	total	2259	2005	2304	2507	2573	2577	2457	2780	2445	2556	2584	2759	2484	1913	1487	1157			
	% HV	33	36	40	46	48	43	48	43	44	39	28	19	18	16	15				
	BNL	76	75	76	76	76	76	76	76	76	76	76	76	77	76	75	74			
	% HV	4	4	4	5	5	5	5	5	5	4	3	2	1	1	1				
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12			
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
	Angle	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	Average Level over 16 hr		
Facade Noise Levels dB(A)		79.6	79.5	80.5	81.5	81.8	81.4	81.6	81.7	81.2	81.6	81.1	79.9	78.3	76.8	75.5	74.1	80.3		
HKPSG Exceedances		9.8	9.5	10.5	11.5	11.8	11.4	11.6	11.7	11.2	11.6	11.1	9.9	8.3	6.8	5.5	4.1			
		16 = number of hours exceeded 70 dB(A)																		
3617	LV	2,002	2,578	2,634	2,422	2,478	2,393	2,386	2,602	2,836	2,637	2,573	2,740	2,860	2,570	2,592	2,629	2,502	2,593	2,545
	HV	899	1,217	1,310	1,591	1,485	1,581	1,449	1,384	1,423	1,410	1,306	1,415	1,271	1,023	891	824	1,142	1,310	1,295
	SPD	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	22.5	22.5	22.5	22.5	23.5	23.5	23.5	24	23	24
	total	2902	3795	3944	4012	3961	3974	3836	3985	4058	4047	3879	4155	4131	3593	3483	3453			
	% HV	31	32	33	40	37	40	38	35	35	35	34	34	31	28	26	24			
	BNL	77	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78			
	% HV	4	4	4	5	4	5	4	4	4	4	4	4	4	3	3	3			
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5			
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
	Angle	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	Average Level over 16 hr		
Facade Noise Levels dB(A)		83.5	84.8	85.1	85.8	85.5	85.8	85.4	85.3	85.4	85.5	85.2	85.5	85.1	84.1	83.5	83.2	85.8		
HKPSG Exceedances		13.5	14.8	15.1	15.8	15.5	15.8	15.4	15.3	15.4	15.5	15.2	15.5	15.1	14.1	13.5	13.2			
		16 = number of hours exceeded 70 dB(A)																		
3618	LV	1,313	1,756	1,749	1,568	1,604	1,549	1,545	1,685	1,707	1,584	1,570	1,725	1,852	1,884	1,679	1,702	1,704	1,583	1,848
	HV	349	545	531	591	552	587	538	514	528	541	555	561	472	380	331	306	511	557	481
	SPD	27.0	27.0	27.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	27	28	28
	total	1662	2300	2281	2159	2155	2137	2084	2199	2235	2225	2126	2286	2324	2044	2010	2008			
	% HV	21	24	23	27	26	27	26	23	24	24	25	25	20	19	16	15			
	BNL	74	76	76	76	76	75	75	76	76	76	75	76	76	75	75	75			
	% HV	2	2	2	3	2	3	3	2	2	2	3	2	2	1	1	1			
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5			
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
	Angle	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	Average Level over 16 hr		
Facade Noise Levels dB(A)		79.2	81.1	81.0	81.3	81.0	81.2	80.9	80.8	80.9	81.0	81.0	81.1	80.5	79.7	79.2	78.9	80.6		
HKPSG Exceedances		9.2	11.1	11.0	11.3	11.0	11.2	10.9	10.8	10.9	11.0	11.0	11.1	10.5	9.7	9.2	8.9			
		16 = number																		

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2016CTS-3(815100)MAIN MODEL RUN-V86 SCI Low Rev Rec Budget Toll with New Bus

Stn.		Hour Start / 2-way Hourly Traffic Volume (veh.) or Speed (km/hr)																		Model Output		
		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	AM	PM	OP		
3620	LV	549	1,047	1,221	1,012	1,007	1,075	983	1,126	1,086	933	845	1,145	1,387	1,220	1,191	1,107	954	843	1,103		
	HV	496	959	968	980	952	905	811	966	1,063	981	833	793	558	465	375	350	935	846	747		
	SPD	21.0	21.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	21	23	23		
	total	1045	2006	2188	1992	1958	1980	1795	2091	2149	1914	1678	1938	1945	1685	1566	1457					
	% HV	47	48	44	49	49	46	45	46	49	51	50	41	29	28	24	24					
	BNL	72	75	76	75	75	75	75	75	76	75	74	75	75	74	74	74					
	% HV	6	6	5	6	5	5	5	5	6	6	6	5	3	3	3	3					
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
	Distance	12	Distance	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1					
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0					
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr				
	Facade Noise Levels dB(A)	78.5	81.4	81.4	81.1	81.0	80.8	80.3	81.0	81.4	81.1	80.4	80.2	78.9	78.1	77.3	80.2					
	HKPSG Exceedances	8.5	11.4	11.4	11.1	11.0	10.8	10.3	11.0	11.4	11.1	10.4	10.2	8.9	8.1	7.3	7.0					
		16 = number of hours exceeded 70 dB(A)																				
3621	LV	2,772	3,903	3,658	3,852	3,222	3,733	3,504	3,751	3,657	3,569	3,375	4,452	3,868	3,270	2,785	2,337	3,472	3,514	3,481		
	HV	957	1,323	1,613	2,050	2,028	1,821	1,924	1,884	1,843	1,955	1,512	1,428	954	801	672	584	1,280	1,472	1,481		
	SPD	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	31.5	31.5	31.5	31.5	32.0	32.0	32.0	32	32	32		
	total	3729	5225	5271	5701	5249	5554	5429	5635	5500	5524	4887	5880	4823	4071	3437	2901					
	% HV	28	25	31	36	39	33	35	33	34	35	31	24	20	20	20	19					
	BNL	78	79	79	80	79	80	80	80	80	80	79	80	79	78	78	77					
	% HV	2	2	3	4	4	3	3	3	3	3	2	1	1	1	1	1					
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
	Distance	10	Distance	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0					
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr				
	Facade Noise Levels dB(A)	81.2	82.6	83.3	84.3	84.2	83.8	84.0	83.9	83.8	84.1	83.1	83.0	81.5	80.7	79.9	82.3					
	HKPSG Exceedances	11.2	12.6	13.3	14.3	14.2	13.6	14.0	13.9	13.8	14.1	13.1	13.0	11.5	10.7	9.9	9.2					
		16 = number of hours exceeded 70 dB(A)																				
3622	LV	2,772	3,903	3,658	3,852	3,222	3,733	3,504	3,751	3,657	3,569	3,375	4,452	3,868	3,270	2,785	2,337	3,472	3,514	3,481		
	HV	957	1,323	1,613	2,050	2,028	1,821	1,924	1,884	1,843	1,955	1,512	1,428	954	801	672	584	1,280	1,472	1,481		
	SPD	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	31.5	31.5	31.5	31.5	32.0	32.0	32.0	32	32	32		
	total	3729	5225	5271	5701	5249	5554	5429	5635	5500	5524	4887	5880	4823	4071	3437	2901					
	% HV	28	25	31	36	39	33	35	33	34	35	31	24	20	20	20	19					
	BNL	78	79	79	80	79	80	80	80	80	80	79	80	79	78	78	77					
	% HV	2	2	3	4	4	3	3	3	3	3	2	1	1	1	1	1					
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
	Distance	10	Distance	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0					
	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	82.0	82.7	83.7	83.6	83.2	83.4	83.3	83.2	83.5	82.5	82.4	80.9	80.1	79.3	78.8					
	HKPSG Exceedances	10.6	12.0	12.7	13.7	13.6	13.2	13.4	13.3	13.2	13.5	12.5	12.4	10.9	10.1	9.3	8.6					
		16 = number of hours exceeded 70 dB(A)																				
3623	LV	4,369	4,263	4,231	4,272	2,751	2,523	2,323	2,596	3,245	4,284	3,198	4,337	3,681	2,604	3,193	3,040	3,792	3,442	3,380		
	HV	1,640	2,128	2,343	2,598	3,227	2,813	2,774	3,390	3,217	2,753	2,461	2,464	2,112	1,387	845	788	2,077	2,328	2,337		
	SPD	29.5	29.5	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.5	29.5	29.5	29.5	29.0	29.0	29.0	30	30	29		
	total	6009	6391	6574	6871	5978	5336	5097	5986	6462	7037	5659	6801	5793	3971	4038	3828					
	% HV	27	33	36	38	54	53	54	57	50	39	43	36	36	34	21	21					
	BNL	80	80	80	81	80	79	79	80	80	81	80	81	80	78	78	78					
	% HV	3	3	4	4	5	5	5	5	5	4	4	4	4	3	2	2					
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
	Distance	10	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)	83.6	84.8	85.0	85.4	86.2	85.6	85.5	86.4	86.2	85.8	85.1	85.2	84.5	82.7	81.0	80.7					
	HKPSG Exceedances	13.6	14.6	15.0	15.4	16.2	15.6	15.5	16.4	16.2	15.6	15.1	15.2	14.5	12.7	11.0	10.7					
		16 = number of hours exceeded 70 dB(A)																				
3624	LV	1,481	1,492	1,448	1,438	926	849	782	874	1,093	1,422	1,006	1,418	1,239	877	1,075	1,024	1,327	1,083	1,138		
	HV	684	994	1,015	1,044	1,297	1,130	1,114	1,362	1,293	1,123	1,084	1,023	849	549	340	317	970	1,007	939		
	SPD	31.5	31.5	31.5	32.5	32.5	32.5	32.5	32.5	32.5	30.0	30.0	30.0	30.0	32.5	32.5	32.5	32	30	33		
	total	2165	2486	2460	2483	2223	1980	1897	2236	2385	2545	2071	2441	2088	1426	1415	1340					
	% HV	32	40	41	42	58	57	59	61	54	44	51	42	41	39	24	24					
	BNL	76	76	76	76	75	75	75	75	76	76	75	76	75	74	74	73					
	% HV	3	4	4	4	5	5	5	6	5	4	5	4	4	4	2	2					
	Gradient	3	Gradient	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
	Distance	10	Distance	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1					
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0					
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr				
	Facade Noise Levels dB(A)	79.9	81.4	81.4	81.5	82.3	81.7	81.8	82.5	82.3	81.9	81.6	81.5	80.7	78.8	77.1	76.8					
	HKPSG Exceedances	9.9	11.4	11.4	11.5	12.3	11.7	11.6	12.5	12.3	11.9	11.6	11.5	10.7	8.8	7.1	6.8					
		16 = number of hours exceeded 70 dB(A)																				
3625	LV	1,475	1,441	1,373																		

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2016CTS-3(815100)MAIN MODEL RUN-V86 SCI Low Rev Rec Budget Toll with New Bus

		Hour Start / 2-way Hourly Traffic Volume (veh.) or Speed (km/hr)																		Model Output		
Stn.		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	AM PM OP				
3626	LV	739	1,147	1,028	1,037	1,076	1,057	1,030	1,183	1,272	1,180	1,248	1,484	1,739	1,740	1,742	1,744	1,078	1,301	1,301		
	HV	641	713	795	820	831	793	853	807	832	847	793	731	673	561	469	391	704	758	718		
	SPD	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	22.5	22.5	22.5	22.5	23.0	23.0	23.0	23	23	23		
	total	1380	1860	1623	1857	1908	1850	1883	1990	2104	2007	2041	2214	2411	2302	2211	2135					
	% HV	46	38	44	44	44	43	45	41	40	42	39	33	28	24	21	18					
	BNL	74	75	75	75	75	75	75	75	75	75	75	76	76	76	76	75					
	% HV	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5					
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
	Distance	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				
3635	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	80.5				
	Facade Noise Levels dB(A)			79.9	80.4	80.8	81.0	81.0	80.8	81.1	80.9	81.1	81.2	81.0	80.7	80.4	79.6	78.9	78.3	80.5		
	HKPSG Exceedances			9.9	10.4	10.8	11.0	11.0	10.8	11.1	10.9	11.1	11.2	11.0	10.7	10.4	9.6	8.9	8.3			
				16	= number of hours exceeded 70 dB(A)																	
	LV	1,118	1,658	1,625	1,419	1,303	1,357	1,433	1,475	1,633	1,495	1,168	1,573	1,703	1,359	1,084	865	1,607	1,246	1,382		
	HV	587	702	952	977	979	981	875	1,075	1,025	931	840	729	589	426	319	259	724	823	760		
	SPD	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31	31	31		
	total	1705	2360	2577	2396	2282	2338	2308	2550	2658	2427	2008	2303	2271	1785	1403	1104					
	% HV	34	30	37	41	43	42	38	42	39	38	42	32	25	24	23	22					
	BNL	75	76	76	76	76	76	76	76	76	76	76	75	75	75	74	73					
	% HV	3	3	4	4	4	4	4	4	4	4	4	3	2	2	2	2					
3636	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
	Distance	10	Distance	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	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	80.0				
	Facade Noise Levels dB(A)			78.9	79.8	81.0	81.0	81.0	81.0	80.6	81.4	81.2	80.8	80.3	79.9	79.0	77.8	76.6	75.4	80.0		
	HKPSG Exceedances			8.9	9.8	11.0	11.0	11.0	10.6	11.4	11.2	10.8	10.3	9.9	9.0	7.8	6.6	5.4				
				16	= number of hours exceeded 70 dB(A)																	
	LV	1,679	2,202	2,342	2,222	2,041	2,126	2,246	2,311	2,558	2,389	2,504	2,569	2,667	2,129	1,699	1,358	2,134	2,138	2,165		
	HV	888	1,119	1,465	1,457	1,460	1,463	1,304	1,602	1,529	1,381	1,227	1,076	948	635	475	356	1,154	1,202	1,133		
	SPD	22.5	22.5	22.5	23.0	23.0	23.0	23.0	23.0	23.0	22.5	22.5	22.5	22.5	23.0	23.0	23.0	23	23	23		
	total	2567	3320	3806	3679	3501	3589	3550	3913	4086	3771	3232	3645	3515	2763	2174	1712					
	% HV	35	34	38	40	42	41	37	41	37	37	38	30	24	23	22	21					
	BNL	76	77	78	78	78	78	78	78	78	78	77	78	78	77	76	75					
	% HV	4	4	5	5	5	5	4	5	4	4	5	4	3	3	2	2					
3637	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	Average Level over 16 hr				
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	84.3				
	Facade Noise Levels dB(A)			83.3	84.3	85.4	85.3	85.3	84.9	85.7	85.5	85.2	84.7	84.2	83.3	82.0	80.8	79.6	84.3			
	HKPSG Exceedances			13.3	14.3	15.4	15.3	15.3	14.9	15.7	15.5	15.2	14.7	14.2	13.3	12.0	10.8	9.6				
				16	= number of hours exceeded 70 dB(A)																	
	LV	1,741	1,847	1,538	1,682	1,581	1,638	1,554	1,697	1,755	1,841	2,072	2,220	2,378	1,984	1,892	1,800	1,658	2,020	1,823		
	HV	739	689	1,072	1,105	1,207	1,045	994	1,039	1,127	1,096	828	870	580	384	383	309	766	879	848		
	SPD	23.0	23.0	23.0	22.0	22.0	22.0	22.0	22.0	21.0	21.0	21.0	21.0	21.0	22.0	22.0	22.0	23	21	22		
	total	2480	2536	2610	2788	2788	2683	2548	2735	2883	2937	2900	3090	2958	2368	2285	2109					
	% HV	30	27	41	40	43	39	39	38	39	37	29	28	20	16	17	15					
	BNL	76	76	76	77	77	76	76	77	77	77	77	77	77	76	76	75					
	% HV	4	3	5	5	5	5	5	5	5	5	4	4	2	2	2	1					
3641	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
	Distance	12	Distance	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1					
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	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	83.3				
	Facade Noise Levels dB(A)			82.2	82.8	83.4	83.9	84.6	84.1	84.0	84.8	84.7	84.1	83.4	83.7	83.1	81.2	79.7	79.4	83.3		
	HKPSG Exceedances			12.2	12.8	13.4	13.9	14.6	14.1	14.0	14.8	14.7	14.1	13.4	13.7	13.1	11.2	9.7	9.4			
				16	= number of hours exceeded 70 dB(A)																	
	LV	2,708	2,576	2,606	2,682	1,714	1,572	1,447	1,618	2,022	2,677	2,021	2,719	2,294	1,622	1,989	1,894	2,292	2,175	2,106		
	HV	899	1,065	1,249	1,463	1,817	1,584	1,562	1,909	1,812	1,532	1,304	1,353	1,189	770	476	444	1,039	1,234	1,316		
	SPD	39.5	39.5	39.5	38.0	38.0	38.0	38.0	38.0	38.0	38.5	38.5	38.5	38.5	38.0	38.0	38.0	40	39	38		
	total	3608	3641	3855	4125	3531	3156	3009	3527	3834	4209	3325	4072	3483	2392	2465	2338					
	% HV	25	29	32	35	51	50	52	54	47	36	39	33	34	32	19	19					
	BNL	78	78	78	78	78	77	77	78	78	78	77	78	78	78	76	76					
	% HV	2	3	3	3	5	5	5	5	4	4	3	3	3	1	1	1					
3652	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
	Distance	8	Distance	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	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	76.5				
	Facade Noise Levels dB(A)			78.0	78.7	79.0	79.0	78.8	79.1	78.9	79.1	78.6	78.4	78.3	77.5	76.8	76.1	76.5				
	HKPSG Exceedances			8.0	8.7	9.0	9.0	8.8	9.1	8.9	9.1	8.6	8.4	8.3	7.5	6.8	6.1					
				16	= number of hours exceeded 70 dB(A)																	
	LV	236	403	340	318	330	324	316	363	390	398	5										

2016CTS-3(815100)MAIN MODEL RUN-V86 SCI Low Rev Rec Budget Toll with New Bus

		Hour Start / 2-way Hourly Traffic Volume (veh.) or Speed (km/hr)																			Model Output		
Stn.		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	AM	PM	OP			
3806	LV	2,488	2,786	2,871	2,551	2,536	2,407	2,279	2,689	2,752	2,714	2,492	3,307	3,245	2,992	2,070	1,654	2,487	2,477	2,502			
	HV	1,428	2,037	2,348	2,702	2,665	2,440	2,284	2,588	2,830	2,588	2,164	2,070	1,498	1,044	728	507	2,043	2,120	1,971			
	SPD	87.0	87.0	87.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	67	69	69			
	total	3914	4823	5020	5253	5201	4847	4563	5257	5582	5303	4656	5377	4743	3636	2798	2161						
	% HV	36	42	47	51	51	50	50	49	51	49	46	38	32	29	26	23						
	BNL	78	79	79	79	79	79	79	79	80	79	79	80	79	78	77	76						
	% HV	5	5	6	6	6	6	6	6	6	6	6	5	5	4	4	4						
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
	Distance	20	-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 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	82.9	83.4	84.1	84.0	83.7	83.4	83.9	84.3	84.0	83.2	83.2	82.1	80.6	79.2	77.8	82.9				
HKPSG Exceedances		11.6	12.9	13.4	14.1	14.0	13.7	13.4	13.9	14.3	14.0	13.2	13.2	12.1	10.6	9.2	7.8						
		16 = number of hours exceeded 70 dB(A)																					
3807	LV	2,401	2,437	2,294	2,065	2,026	2,196	1,921	2,373	2,089	2,152	2,426	3,102	3,002	2,372	1,874	1,480	2,289	2,409	2,239			
	HV	1,135	976	1,369	1,817	1,964	1,789	1,890	1,927	1,691	1,891	1,222	992	749	538	388	277	1,034	1,174	1,324			
	SPD	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	18	16	13			
	total	3536	3413	3663	3883	3990	3985	3811	4300	3781	3843	3647	4093	3751	2910	2260	1758						
	% HV	32	29	37	47	49	45	50	45	45	44	33	24	20	18	17	16						
	BNL	78	78	78	78	78	78	78	79	78	78	78	78	78	77	76	75						
	% HV	4	4	5	6	6	6	6	6	6	6	5	3	3	2	2	2						
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
	Distance	20	-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 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)		80.7	80.1	81.4	82.6	82.9	82.5	82.7	82.9	82.3	82.3	81.0	80.3	79.2	77.8	76.4	75.0	81.1				
HKPSG Exceedances		10.7	10.1	11.4	12.6	12.9	12.5	12.7	12.9	12.3	12.3	11.0	10.3	9.2	7.8	6.4	5.0						
		16 = number of hours exceeded 70 dB(A)																					
3814	LV	1,872	1,584	1,698	1,685	1,653	1,792	1,568	1,938	1,705	1,733	1,854	2,461	2,450	1,935	1,529	1,208	1,488	1,841	1,827			
	HV	591	455	691	972	1,050	957	1,011	1,031	904	892	614	516	400	288	207	148	482	590	708			
	SPD	24.0	24.0	24.0	21.0	21.0	21.0	21.0	21.0	22.5	22.5	22.5	22.5	22.5	21.0	21.0	21.0	24	23	21			
	total	2463	2039	2389	2657	2703	2749	2679	2967	2609	2625	2468	2977	2850	2223	1735	1356						
	% HV	24	22	29	37	39	35	39	35	35	34	25	17	14	13	12	11						
	BNL	76	75	76	76	77	77	76	77	76	76	76	76	77	77	76	75						
	% HV	3	2	3	5	5	5	5	5	5	4	3	2	1	1	1	0						
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
	Distance	12	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1						
	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 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)		79.1	78.0	79.7	81.5	81.9	81.5	81.7	81.8	81.3	80.9	79.5	79.0	78.1	77.0	75.7	74.3	79.9				
HKPSG Exceedances		9.1	8.0	9.7	11.5	11.9	11.5	11.7	11.8	11.3	10.9	9.5	9.0	8.1	7.0	5.7	4.3						
		16 = number of hours exceeded 70 dB(A)																					
3816	LV	1,957	2,264	2,488	2,445	2,501	2,415	2,410	2,627	2,661	2,617	2,413	2,671	2,888	2,596	2,618	2,855	2,197	2,432	2,570			
	HV	671	968	997	1,167	1,089	1,160	1,083	1,015	1,044	1,033	951	1,035	932	750	653	604	908	954	950			
	SPD	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	18	18	17			
	total	2628	3231	3485	3612	3590	3576	3473	3642	3705	3650	3364	3705	3820	3346	3271	3259						
	% HV	26	30	29	32	30	32	31	28	28	28	28	28	24	22	20	19						
	BNL	76	77	78	78	78	78	78	78	78	78	77	78	77	78	77	77						
	% HV	4	4	4	4	4	4	4	4	4	4	4	4	3	3	3	2						
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
	Distance	5	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2						
	Surface	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 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)		82.9	84.4	84.6	85.2	85.0	85.2	84.8	84.7	84.8	84.8	84.4	84.8	84.4	83.5	83.0	82.7	84.4				
HKPSG Exceedances		12.9	14.4	14.6	15.2	15.0	15.2	14.8	14.7	14.8	14.8	14.4	14.8	14.4	13.5	13.0	12.7						
		16 = number of hours exceeded 70 dB(A)																					
3818	LV	538	1,027	1,197	992	996	1,053	964	1,103	1,065	939	948	1,187	1,359	1,196	1,167	1,085	936	946	1,081			
	HV	469	921	921	921	894	850	753	907	999	927	801	754	524	437	353	329	898	813	702			
	SPD	24.0	24.0	24.0	26.0	26.0	26.0	26.0	26.0	26.0	25.5	25.5	25.5	25.5	25.5	26.0	26.0	24	26	26			
	total	1007	1948	2117	1913	1881	1904	1726	2011	2063	1866	1748	1941	1884	1633	1520	1413						
	% HV	47	47	43	48	48	45	44	45	48	50	46	39	28	27	23	23						
	BNL	72	75	75	75	75	75	75	75	75	75	75	75	75	74	74	74						
	% HV	5	5	5	5	5	5	5	5	5	5	5	4	3	3	2	2						
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
	Distance	12	-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 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)		77.8	80.7	80.7	80.4	80.3	80.1	79.6	80.4	80.8	80.5	79.9	79.7	78.3	77.5	76.7	76.4	79.6				
HKPSG Exceedances		7.8	10.7	10.7	10.4	10.3	10.1	9.6	10.4	10.8	10.5	9.9	9.7	8.3	7.5	6.7	6.4						
		16 = number of hours exceeded 70 dB(A)																					
3820	LV	654	1,076	929	897	932	915	892	1,024	1,101	1,013	1,117	1,306	1,505	1,506	1,508	1,509	1,011	1,165	1,126			
	HV	791	855	972	1,020	1,034	987	1,061	1,003	1,035	1,034	910	875	837	698	583	486	844	881	893			
	SPD	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	22.5	22.5	22.5	22.5	23.0	23.0	23.0	23	23	23			
	total	1445	1931	1901	1917	1966	1801	1953	2027	2136	2047	2027	2181	2341	2204	2090	1995						
	% HV	55	44	51	53	53	52	54	49	48	51	45	40	36	32	28	24						
	BNL	74	75	75	75	75	75	75	75	75	75	75	76	76	76	75	75						
	% HV	6	5	6	6	6	6	6	6	6	6	5	5	4	4	3	3						
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
	Distance	10	-1.0	-1.0	-1.0	-1.0	-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 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)		80.7	81.1	81.6	81.8	81.9	81.7	82.0	81.6	81.9	82.0	81.5	81.4	81.2	80.4	79.7	79.0	81.3				
HKPSG Exceedances		10.7																					

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2016CTS-3(815100)MAIN MODEL RUN-V86 SCI Low Rev Rec Budget Toll with New Bus

		Hour Start / 2-way Hourly Traffic Volume (veh.) or Speed (km/hr)																		Model Output		
Stn.		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	AM	PM	OP		
3828	LV	1,118	1,658	1,625	1,419	1,303	1,357	1,433	1,475	1,633	1,495	1,168	1,573	1,703	1,359	1,084	865	1,607	1,246	1,382		
	HV	587	702	952	877	979	981	875	1,075	1,025	931	840	729	569	426	319	239	724	823	760		
	SPD	22.0	22.0	22.0	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	22	24	24		
	total	1705	2360	2577	2396	2282	2338	2308	2550	2558	2427	2008	2303	2271	1785	1403	1104					
	% HV	34	30	37	41	43	42	38	42	39	38	42	32	25	24	23	22					
	BNL	75	76	76	76	76	76	76	76	76	76	75	76	76	75	74	73					
	% HV	4	4	5	5	5	5	4	5	4	4	5	4	3	3	2	2					
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
	Distance	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	Average Level over 16 hr			
Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	80.7				
Facade Noise Levels dB(A)		79.8	80.8	81.9	81.6	81.6	81.6	81.2	82.0	81.8	81.4	80.9	80.5	79.5	78.3	77.1	75.9					
HKPSG Exceedances		9.8	10.6	11.9	11.6	11.6	11.6	11.2	12.0	11.8	11.4	10.9	9.5	8.3	7.1	5.9						
		16 = number of hours exceeded 70 dB(A)																				
3829	LV	1,679	2,202	2,342	2,222	2,041	2,126	2,248	2,311	2,558	2,389	2,004	2,569	2,667	2,129	1,699	1,356	2,134	2,138	2,165		
	HV	888	1,119	1,465	1,457	1,460	1,463	1,304	1,602	1,529	1,381	1,227	1,076	848	635	475	356	1,154	1,202	1,133		
	SPD	22.5	22.5	23.0	23.0	23.0	23.0	23.0	23.0	22.5	22.5	22.5	22.5	22.5	23.0	23.0	23.0	23	23	23		
	total	2567	3320	3806	3679	3501	3589	3550	3913	4086	3771	3232	3645	3515	2763	2174	1712					
	% HV	35	34	38	40	42	41	37	41	37	38	30	24	23	22	21	21					
	BNL	76	77	78	78	78	78	78	78	78	78	77	78	78	77	76	75					
	% HV	4	4	5	5	5	5	4	5	4	4	5	4	3	3	2	2					
	Gradient	6	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2					
	Distance	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	Average Level over 16 hr			
Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	84.3				
Facade Noise Levels dB(A)		83.3	84.3	85.4	85.3	85.3	85.3	84.9	85.7	85.5	85.2	84.7	84.2	83.3	82.0	80.8	79.6					
HKPSG Exceedances		13.3	14.3	15.4	15.3	15.3	15.3	14.9	15.7	15.5	15.2	14.7	14.2	13.3	12.0	10.8	9.6					
		16 = number of hours exceeded 70 dB(A)																				
3830	LV	1,725	1,825	1,523	1,569	1,568	1,624	1,541	1,683	1,741	1,827	2,063	2,206	2,358	1,968	1,877	1,785	1,638	2,011	1,908		
	HV	899	645	1,011	1,048	1,145	991	943	985	1,069	1,037	779	822	550	384	372	293	717	827	804		
	SPD	24.0	24.0	24.0	22.0	22.0	22.0	22.0	22.0	21.0	21.0	21.0	21.0	21.0	21.0	22.0	22.0	24	21	22		
	total	2424	2470	2533	2717	2712	2615	2484	2568	2810	2664	2842	3028	2908	2331	2249	2079					
	% HV	29	26	40	39	42	38	38	37	38	36	27	19	16	17	14	14					
	BNL	76	75	76	77	77	76	76	76	77	77	77	77	77	78	76	75					
	% HV	3	3	5	5	5	5	5	5	5	4	4	2	1	2	1	1					
	Gradient	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
	Distance	12	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1					
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	Average Level over 16 hr			
Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	80.6				
Facade Noise Levels dB(A)		79.7	79.4	81.2	81.7	82.0	81.4	81.2	81.4	81.7	81.8	80.7	81.0	79.5	77.7	77.7	76.8					
HKPSG Exceedances		9.7	9.4	11.2	11.7	12.0	11.4	11.2	11.4	11.7	11.8	10.7	11.0	9.5	7.7	7.7	6.8					
		16 = number of hours exceeded 70 dB(A)																				
3843	LV	908	1,181	1,199	1,095	1,120	1,082	1,079	1,177	1,192	1,189	1,148	1,231	1,293	1,162	1,172	1,189	1,146	1,157	1,151		
	HV	609	864	900	1,064	993	1,057	969	925	951	941	867	943	850	684	596	551	811	869	866		
	SPD	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	18	18	18		
	total	1518	2045	2099	2159	2113	2139	2049	2102	2143	2130	2015	2174	2143	1847	1768	1740					
	% HV	40	42	43	49	47	49	47	44	44	44	43	43	40	37	34	32					
	BNL	74	75	75	76	75	76	75	75	76	75	75	76	76	75	75	75					
	% HV	5	6	6	6	6	6	6	6	6	6	5	6	5	5	5	4					
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
	Distance	5	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2					
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	Average Level over 16 hr			
Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	83.8				
Facade Noise Levels dB(A)		82.3	83.8	84.0	84.7	84.4	84.6	84.3	84.1	84.2	84.2	83.8	84.2	83.8	82.8	82.3	82.0					
HKPSG Exceedances		12.3	13.8	14.0	14.7	14.4	14.8	14.3	14.1	14.2	14.2	13.8	14.2	13.8	12.8	12.3	12.0					
		16 = number of hours exceeded 70 dB(A)																				
3854	LV	2,256	2,093	2,157	2,229	1,435	1,316	1,212	1,354	1,693	2,239	1,685	2,273	1,920	1,358	1,665	1,586	1,862	1,814	1,763		
	HV	702	1,050	1,052	1,061	1,317	1,148	1,132	1,384	1,313	1,166	1,191	1,086	862	558	345	322	1,025	1,127	954		
	SPD	20.5	20.5	20.5	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	21	20	20		
	total	2958	3144	3209	3289	2752	2464	2344	2738	3006	3405	2877	3359	2782	1916	2010	1908					
	% HV	24	33	33	32	48	47	48	51	44	34	41	32	31	29	17	17					
	BNL	77	77	77	77	77	76	76	77	77	78	77	77	77	75	75	75					
	% HV	3	4	4	4	6	6	6	6	5	5	4	4	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	76.5				
Facade Noise Levels dB(A)		81.8	83.3	83.3	83.5	84.3	83.7	83.8	84.5	84.3	83.9	83.9	83.6	82.8	80.8	79.0	78.7					
HKPSG Exceedances		11.8	13.3	13.3	13.5	14.3	13.7	13.6	14.5	14.3	13.9	13.9	13.6	12.6	10.8	9.0	8.7					
		16 = number of hours exceeded 70 dB(A)																				
3893	LV	1,327	1,180	1,220	1,181	1,158	1,256	1,098	1,357	1,195	1,247	1,476	1,823	1,718	1,356	1,071	846	1,109	1,466	1,280		
	HV	423	349	504	684	739	673	711	725	636	690	637	439	282	202	145	104	370	612	498		
	SPD	26.0	26.0	26.0	24.0	24.0	24.0	24.0	24.0	24.0	22.0	22.0	22.0	22.0	24.0	24.0	24.0	26	22	24		
	total	1749	1530	1724	1864	1897	1928	1809	2081	1831	1937	2113	2262	1998	1558	1216	951					
	% HV	24	23	29	37	39	35	39	35	35	36	30	19	14	13	12	11					
	BNL	75	74	75	75	75	75	75	75	75	75	75	76	75	74	73	72					
	% HV	2	2	3	4	4	4	4	4	4	4	4	2	1	1	0	0					
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
	Distance	20	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2					
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	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	76.5				
Facade Noise Levels dB(A)		75.8	74.9	76.3	77.7	78.0	77.7	77.8	78.0	77.4	78.1	77.8	76.5	74.8	73.2	71.9	70.6					
HKPSG Exceedances		5.6	4.9</																			

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2016CTS-3(815100)MAIN MODEL RUN-V86 SCI Low Rev Rec Budget Toll with New Bus

		Hour Start / 2-way Hourly Traffic Volume (veh.) or Speed (km/hr)																						Model Output		
Stn.		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	AM PM OP								
4002	LV	971	1,437	1,300	1,262	1,113	1,290	1,211	1,296	1,264	1,231	1,155	1,531	1,337	1,130	955	808	1,278	1,202	1,196						
	HV	462	641	779	968	977	878	927	908	888	950	757	700	460	386	324	272	621	737	714						
	SPD	61.5	61.5	61.5	63.2	63.2	63.2	63.2	63.2	63.2	62.2	62.2	62.2	62.2	63.2	63.2	63.2	62	62	63						
	total	1433	2078	2079	2250	2090	2168	2138	2204	2152	2181	1912	2232	1797	1516	1279	1080									
	% HV	32	31	37	44	47	40	43	41	41	44	40	31	26	25	25	25									
	BNL	74	75	75	76	75	76	76	76	76	76	75	76	75	74	73	73									
	% HV	4	4	5	5	5	5	5	5	5	5	5	4	3	3	3	3									
	Gradient	3	Gradient	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
	Distance	10	Distance	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0									
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5									
Facade Noise Levels dB(A)		79.8	81.2	81.9	82.8	82.7	82.4	82.6	82.5	82.4	82.6	81.7	81.6	80.1	79.4	78.6	77.9									
HKPSG Exceedances		9.8	11.2	11.9	12.8	12.7	12.4	12.6	12.5	12.4	12.6	11.7	11.6	10.1	9.4	8.6	7.9									
		16 = number of hours exceeded 70 dB(A)																								
4003	LV	3,844	3,915	3,620	3,489	2,246	2,060	1,897	2,120	2,650	3,673	3,234	3,917	3,006	2,126	2,807	2,482	3,483	3,481	2,760						
	HV	1,887	2,322	2,851	3,037	3,771	3,287	3,241	3,962	3,760	3,205	2,822	2,856	2,468	1,597	988	921	2,256	2,670	2,731						
	SPD	57.5	57.5	57.5	58.0	58.0	58.0	58.0	58.0	58.0	55.0	55.0	55.0	55.0	58.0	58.0	58.0	58	55	58						
	total	5531	6237	6271	6525	6017	5347	5138	6082	6410	6878	6057	6773	5474	3723	3595	3404									
	% HV	34	37	42	47	63	61	63	65	59	47	47	42	45	43	27	27									
	BNL	80	80	80	80	80	79	79	80	80	81	80	81	80	78	78	78									
	% HV	4	4	5	5	6	6	6	6	6	5	5	5	5	5	3	3									
	Gradient	5	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									
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5									
Facade Noise Levels dB(A)		83.2	84.0	84.5	85.0	85.7	85.1	85.1	85.9	85.8	85.1	84.5	84.7	84.0	82.3	80.7	80.4									
HKPSG Exceedances		13.2	14.0	14.5	15.0	15.7	15.1	15.1	15.9	15.8	15.1	14.5	14.7	14.0	12.3	10.7	10.4									
		16 = number of hours exceeded 70 dB(A)																								
4011	LV	955	1,347	1,261	1,258	1,110	1,286	1,207	1,292	1,259	1,254	1,272	1,598	1,332	1,126	952	805	1,198	1,324	1,192						
	HV	250	368	429	528	520	467	494	483	473	501	386	366	245	206	173	145	356	376	380						
	SPD	40.0	40.0	40.0	41.0	41.0	41.0	41.0	41.0	39.5	39.5	39.5	39.5	39.5	41.0	41.0	41.0	40	40	41						
	total	1205	1715	1690	1784	1630	1753	1701	1775	1732	1755	1658	1964	1577	1332	1125	950									
	% HV	21	21	25	29	32	27	29	27	27	29	23	19	16	15	15	15									
	BNL	73	75	74	75	74	75	75	75	75	75	74	75	74	73	73	72									
	% HV	2	2	2	3	3	2	3	3	3	3	2	1	1	1	1	1									
	Gradient	3	Gradient	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
	Distance	10	Distance	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0									
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5									
Facade Noise Levels dB(A)		78.5	78.2	78.7	79.4	79.3	79.0	79.2	79.1	79.0	79.2	78.3	78.3	76.8	75.4	74.6	74.6									
HKPSG Exceedances		6.5	8.2	8.7	9.4	9.3	9.0	9.2	9.1	9.0	9.2	8.3	8.3	6.8	6.1	5.4	4.6									
		16 = number of hours exceeded 70 dB(A)																								
4012	LV	1,651	1,318	1,475	1,505	1,476	1,600	1,400	1,729	1,522	1,584	1,855	2,308	2,187	1,728	1,365	1,078	1,238	1,842	1,631						
	HV	604	481	712	986	1,065	970	1,025	1,045	917	915	656	535	406	292	210	150	509	630	718						
	SPD	44.0	44.0	44.0	40.5	40.5	40.5	40.5	40.5	40.5	39.0	39.0	39.0	39.0	40.5	40.5	40.5	44	39	41						
	total	2254	1798	2187	2490	2541	2570	2425	2774	2439	2498	2510	2844	2593	2019	1574	1229									
	% HV	27	27	33	40	42	38	42	38	38	37	26	19	18	14	13	12									
	BNL	76	75	76	76	76	76	76	77	76	76	76	77	76	75	74	73									
	% HV	3	3	3	4	4	4	4	4	4	4	2	1	1	1	0	0									

Future Year Hourly Profile of Traffic Volume and Speed

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

[illegible]

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2016CTS-3(815100)MAIN MODEL RUN-V86 SCI Low Rev Rec Budget Toll with New Bus

		Hour Start / 2-way Hourly Traffic Volume (veh.) or Speed (km/hr)																						Model Output		
Stn.		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22							AM	PM	OP
4203	LV	1,023	1,601	1,516	1,272	1,168	1,217	1,285	1,322	1,464	1,358	1,111	1,449	1,526	1,218	972	776							1,552	1,185	1,239
	HV	458	513	729	777	778	780	695	854	815	740	669	580	452	338	253	190							529	655	604
	SPD	25.0	25.0	25.0	25.5	25.5	25.5	25.5	25.5	25.5	23.0	23.0	23.0	23.0	25.5	25.5	25.5							25	23	28
	total	1481	2114	2245	2048	1947	1997	1980	2177	2279	2098	1780	2029	1978	1557	1226	966									
	% HV	31	24	32	38	40	39	35	39	35	35	35	38	29	23	22	21									
	BNL	74	75	76	75	75	75	75	76	76	75	75	75	75	74	73	72									
	% HV	3	3	4	4	4	4	4	4	4	4	4	3	3	2	2	2									
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
	Distance	10	Distance	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0									
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5									
	Facade Noise Levels dB(A)	78.3	79.0	80.3	80.5	80.4	80.5	80.0	80.8	80.7	80.6	80.1	79.7	78.7	77.2	76.0	74.8									
	HKPSG Exceedances	8.3	9.0	10.3	10.5	10.4	10.5	10.0	10.8	10.7	10.6	10.1	9.7	8.7	7.2	6.0	4.8									
	16	= number of hours exceeded 70 dB(A)																								
4204	LV	1,434	1,683	1,831	1,785	1,825	1,764	1,759	1,918	1,943	1,897	1,706	1,921	2,108	1,895	1,911	1,938							1,633	1,720	1,876
	HV	590	821	887	1,037	968	1,030	945	902	927	912	823	908	828	667	580	537							770	825	844
	SPD	24.5	24.5	24.5	22.7	22.7	22.7	22.7	22.7	22.7	23.0	23.0	23.0	23.0	22.7	22.7	22.7							25	23	23
	total	2025	2503	2698	2822	2793	2794	2704	2820	2870	2809	2529	2829	2936	2561	2491	2475									
	% HV	29	33	32	37	35	37	35	32	32	32	32	32	28	26	23	22									
	BNL	75	76	77	77	77	77	77	77	77	77	76	77	77	76	75	76									
	% HV	3	4	4	4	4	4	4	4	4	4	4	4	3	3	3	2									
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
	Distance	5	Distance	2	2	2	2	2	2	2	2	2	2	2	2	2	2									
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0									
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5									
	Facade Noise Levels dB(A)	81.5	82.9	83.1	84.1	83.8	84.1	83.7	83.6	83.7	83.6	83.1	83.6	83.2	82.4	81.9	81.6									
	HKPSG Exceedances	11.5	12.9	13.1	14.1	13.8	14.1	13.7	13.6	13.7	13.6	13.1	13.6	13.2	12.4	11.9	11.5									
	16	= number of hours exceeded 70 dB(A)																								
4205	LV	1,192	1,500	1,524	1,613	1,423	1,649	1,548	1,657	1,616	1,585	1,526	1,988	1,709	1,445	1,221	1,033							1,334	1,589	1,529
	HV	335	456	562	720	712	639	676	661	647	678	499	488	335	281	236	198							441	486	520
	SPD	32.0	32.0	32.0	28.0	28.0	28.0	28.0	28.0	28.0	25.5	25.5	25.5	25.5	28.0	28.0	28.0							32	26	28
	total	1526	1955	2085	2333	2135	2289	2224	2319	2263	2262	2025	2475	2044	1726	1457	1231									
	% HV	22	23	27	31	33	28	30	29	29	30	25	20	16	16	16	16									
	BNL	74	75	75	78	75	76	76	76	76	76	75	76	75	75	74	73									
	% HV	2	2	2	3	3	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									
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5									
	Facade Noise Levels dB(A)	77.7	79.0	79.8	80.9	80.8	80.5	80.7	80.6	80.5	80.9	79.7	79.8	78.3	77.4	76.6	75.9									
	HKPSG Exceedances	7.7	9.0	9.8	10.9	10.8	10.5	10.7	10.6	10.5	10.9	9.7	9.8	8.3	7.4	6.6	5.9									
	16	= number of hours exceeded 70 dB(A)																								
4208	LV	3,385	3,789	3,677	3,343	3,882	3,789	3,789	3,965	3,813	3,540	3,588	3,768	4,752	4,202	4,259	4,114							3,725	3,518	3,902
	HV	1,929	2,014	2,304	2,352	2,481	2,743	2,622	2,651	2,690	2,649	2,244	2,179	1,481	1,265	1,000	875							2,105	2,229	2,070
	SPD	37.0	37.0	37.0	38.0	38.0	38.0	38.0	38.0	38.0	37.0	37.0	37.0	37.0	38.0	38.0	38.0							37	37	38
	total	5314	5803	5981	5696	6142	6532	6412	6616	6503	6189	5830	5944	6233	5466	5260	4989									
	% HV	36	35	39	41	40	42	41	40	41	43	38	37	24	23	19	18									
	BNL	79	80	80	80	80	80	80	80	80	80	80	80	80	80	79	79									
	% HV	3	3	4	4	4	4	4	4	4	4	4	4	2	2	1	1									
	Gradient	3	Gradient	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
	Distance	12	Distance	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1									
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0									
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5									
	Facade Noise Levels dB(A)	84.2	84.4	85.0	85.0	85.2	85.7	85.5	85.5	85.5	84.8	84.7	83.5	82.8	82.0	81.5	80.6									
	HKPSG Exceedances	14.2	14.4	15.0	15.0	15.2	15.7	15.5	15.5	15.5	15.5	14.8	14.7	13.5	12.8	12.0	11.5									
	16	= number of hours exceeded 70 dB(A)																								
4212	LV	773	693	853	916	952	1,008	941	1,008	986	1,004	768	993	1,119	949	804	682							574	753	956
	HV	762	899	984	984	956	1,016	970	954	1,045	967	915	834	877	483	344	245							939	880	785
	SPD	24.0	24.0	24.0	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							24	25	25
	total	1535	1592	1817	1881	1908	2024	1911	1961	2031	1971	1681	1827	1797	1431	1148	927									
	% HV	50	56	53	51	50	50	51	49	51	49	54	46	38	34	30	26									
	BNL	74	74	75	75	75	75	75	7																	

2016CTS-3(815100)MAIN MODEL RUN-V86 SCI Low Rev Rec Budget Toll with New Bus

2016CTS-3(815100)MAIN MODEL RUN-V80 SCI LOW REV REC BUDGET FOR: WILSON BOYS																						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							
4214	LV	4,120	3,749	3,812	3,847	3,577	3,878	3,392	4,189	3,689	3,759	4,060	5,352	5,300	4,187	3,308	2,613		3,522	4,032	3,953			
	HV	1,459	1,290	1,774	2,320	2,507	2,283	2,413	2,480	2,159	2,203	1,706	1,321	956	687	493	354		1,366	1,639	1,590			
	SPD	57.0	57.0	57.0	55.0	55.0	55.0	55.0	55.0	55.0	56.3	56.3	56.3	56.3	55.0	55.0	55.0		57	56	55			
	total	5579	5039	5587	5967	6084	6161	5805	6649	5848	5962	5785	6673	6256	4874	3801	2967							
	% HV	26	26	32	39	41	37	42	37	37	37	30	20	15	14	13	12							
	BNL	80	79	80	80	80	80	80	80	80	80	80	80	80	80	78	77							
	% HV	3	3	4	4	5	4	5	4	4	4	4	2	2	1	1	1							
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
	Distance	12	Distance	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1						
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0						
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5						
	Facade Noise Levels dB(A)		83.2	82.7	83.8	84.7	85.0	84.7	84.8	85.0	84.4	84.6	83.7	83.2	82.2	80.8	79.5	78.3		83.5				
	HKPSG Exceedances		13.2	12.7	13.8	14.7	15.0	14.7	14.8	15.0	14.4	14.6	13.7	13.2	12.2	10.8	9.5	8.3						
			16	# number of hours exceeded 70 dB(A)																				
4217	LV	2,818	2,910	2,564	2,081	1,837	2,085	1,908	1,954	2,017	2,033	2,309	2,544	2,954	2,415	1,974	1,514		2,543	2,233	2,210			
	HV	1,449	1,119	1,367	1,207	1,263	1,217	1,266	1,243	1,474	1,293	1,279	1,147	1,111	788	559	397		1,137	1,194	1,128			
	SPD	34.5	34.5	34.5	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8		35	37	37			
	total	4267	4029	4032	3288	3100	3302	3175	3237	3490	3326	3588	3690	4065	3203	2533	2011							
	% HV	34	28	34	37	41	37	40	38	42	39	36	31	27	25	22	20							
	BNL	79	78	78	77	77	77	77	77	78	77	78	78	78	77	76	75							
	% HV	3	3	3	4	4	4	4	4	4	4	3	3	2	2	2	1							
	Gradient	6	Gradient	2	2	2	2	2	2	2	2	2	2	2	2	2	2							
	Distance	10	Distance	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0						
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5						
	Facade Noise Levels dB(A)		84.5	83.6	84.3	83.7	83.8	83.7	83.8	83.8	84.5	83.9	84.0	83.6	83.6	82.2	80.8	79.4		83.5				
	HKPSG Exceedances		14.5	13.6	14.3	13.7	13.8	13.7	13.8	13.8	14.5	13.9	14.0	13.5	13.6	12.2	10.8	9.4						
			16	# number of hours exceeded 70 dB(A)																				
5001	LV	3,104	2,834	2,044	1,668	1,668	1,836	1,554	1,611	1,687	2,131	2,338	3,680	3,312	2,641	2,106	1,679		2,516	2,429	2,203			
	HV	1,785	2,371	2,915	3,081	3,211	2,655	2,864	3,415	3,563	3,353	2,803	2,409	1,912	1,342	941	660		2,348	2,492	2,449			
	SPD	34.0	34.0	34.0	37.5	37.5	37.5	37.5	37.5	37.5	34.0	34.0	34.0	34.0	37.5	37.5	37.5		34	34	38			
	total	4889	5205	4959	4947	4879	4492	4518	5026	5252	5484	4941	6088	5224	3983	3047	2339							
	% HV	37	46	59	62	66	59	63	68	68	61	53	40	37	34	31	28							
	BNL	79	79	79	79	79	79	79	79	79	80	79	80	79	78	77	76							
	% HV	4	4	5	6	6	5	6	6	6	5	5	4	4	3	3	3							
	Gradient	0	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
	Distance	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)		77.6	78.7	79.5	79.7	79.8	79.0	79.3	80.1	80.3	80.1	79.0	78.9	77.9	76.4	75.0	73.5		78.8				
	HKPSG Exceedances		7.6	8.7	9.5	9.7	9.8	9.0	9.3	10.1	10.3	10.1	9.0	8.9	7.9	6.4	5.0	3.5						
			16	# number of hours exceeded 70 dB(A)																				
5002	LV	3,991	3,094	2,419	2,170	2,174	2,090	2,086	2,374	2,157	2,526	2,641	3,864	3,459	2,555	1,887	1,394		2,805	2,644	2,493			
	HV	1,217	1,215	1,514	1,891	1,848	1,611	1,582	1,758	2,003	1,812	1,470	1,545	1,495	932	581	382		1,207	1,454	1,454			
	SPD	67.0	67.0	67.0	65.8	65.8	65.8	65.8	65.8	65.8	65.0	65.0	65.0	65.0	65.8	65.8	65.8		67	65	66			
	total	5208	4310	3933	4061	4022	3701	3668	4133	4160	4338	4110	5229	4954	3487	2468	1756							
	% HV	23	28	38	47	46	44	43	43	48	42	36	30	30	27	24	21							
	BNL	79	79	78	78	78	78	78	78	78	79	78	79	79	78	78	75							
	% HV	4	4	5	6	6	5	5	5	6	5	5	4	4	4	3	3							
	Gradient	3	Gradient	1	1	1	1	1	1	1	1	1	1	1	1	1	1							
	Distance	60	Distance	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7						
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0						
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5						
	Facade Noise Levels dB(A)		78.0	77.8	78.3	79.0	78.9	78.4	78.3	78.8	79.2	78.9	78.2	78.6	78.4	76.6	74.7	72.9		78.1				
	HKPSG Exceedances		8.0	7.8	8.3	9.0	8.9	8.4	8.3	8.8	9.2	8.9	8.2	8.6	8.4	6.6	4.7	2.9						
			16	# number of hours exceeded 70 dB(A)																				
5003	LV	2,795	2,810	1,984	1,691	1,677	1,662	1,677	1,869	1,831	1,842	2,379	2,953	2,442	1,915	1,502	1,178		2,553	2,330	1,877			
	HV	1,066	1,237	1,396	2,045	1,963	1,583	1,561	1,627	1,553	1,493	1,572	1,347	1,192	941	742	586		1,201	1,487	1,378			
	SPD	84.0	84.0	84.0	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		84	84	85			
	total	3861	4047	3380	3736	3641	3245	3238	3296	3384	3335	3951	4300	3634	2856	2245	1764							
	% HV	28	31	41	55	54	49	48	49	46	45	40	31	33	33	33	33							
	BNL	78	78	77	78	78	77	77	77	77	77	78	79	78	77	76	75							
	% HV	5	5	6	7	7	7	7	7	7	7	6	6	6	6	6	6							
	Gradient	3	Gradient	1	1	1	1	1	1	1	1	1	1	1	1	1	1							
	Distance	43	Distance	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-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						
	Facade Noise Levels dB(A)		79.8	80.2	80.4	81.7	81.6	80.7	80.7	80.8	80.7	80.5	80.9	80.6	80.0	79.0	77.9	75.9		80.3				
	HKPSG Exceedances		9.8	10.2	10.4	11.7	11.6	10.7	10.7	10.8	10.7	10.5	10.9	10.6	10.0	9.0	7.9	6.9						
			16	# number of hours exceeded 70 dB(A)																				
5005	LV	1,153	1,221	805	618	520	556	496	589	587	594	828	1,087	1,066	978	898	824		1,060	838	760			
	HV	342	320	295	324	301	259	243	213	256	263	316	254	202	156	121	94		305	300	232			
	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	1495	1540	1100	942	822	815	739	802	843	857	1144	1342	1268	1135	1019	918							
	% HV	23	21	27	34	37	32	33	27	30	31	28	19	16	14	12	10							
	BNL	74	74	73	72	71	71	71	71	71	72	73	73	73	73	72	72							
	% HV	2	2	3	4	4	3	4	3	3	3	3	2	1	1	1	0							
	Gradient	3	Gradient	1	1	1	1	1	1	1	1	1	1	1	1	1	1							
	Distance	12	Distance	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1						
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0								

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2016CTS-3(815100)MAIN MODEL RUN-V86 SCI Low Rev Rec Budget Toll with New Bus

		Hour Start / 2-way Hourly Traffic Volume (veh.) or Speed (km/hr)																Model Output		
Stn.		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	AM	PM	OP
5206	LV	1,836	1,205	1,536	1,536	1,050	990	702	816	929	930	1,391	1,613	1,888	1,394	1,171	1,101	1,090	1,446	1,252
	HV	1,196	1,151	1,419	1,458	1,126	814	1,108	1,182	1,160	1,115	1,197	1,686	1,275	892	914	970	1,045	1,278	1,169
	SPD	40.5	40.5	40.5	36.0	36.0	36.0	36.0	36.0	36.0	39.0	39.0	39.0	39.0	36.0	36.0	36.0	41	39	36
	total	3033	2356	3055	3104	2176	1804	1809	1798	2089	2045	2589	3299	3183	2285	2086	2071			
	% HV	39	49	46	47	52	45	81	56	55	55	46	51	40	39	44	47			
	BNL	77	76	77	77	76	75	75	75	75	75	75	77	77	76	75	75			
	% HV	4	5	4	4	5	4	5	6	5	5	4	5	4	4	4	4			
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance	12	Distance	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
5207	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr		
	Facade Noise Levels dB(A)	81.2	80.9	81.9	82.0	80.8	79.4	80.6	80.9	80.9	80.7	81.1	82.5	81.5	79.9	80.0	80.2	81.0		
	HKPSG Exceedances	11.2	10.9	11.9	12.0	10.8	9.4	10.6	10.9	10.9	10.7	11.1	12.5	11.5	9.9	10.0	10.2			
	16	= number of hours exceeded 70 dB(A)																		
	LV	1,967	2,062	1,957	1,607	1,032	972	690	605	913	889	1,232	1,500	1,855	1,369	1,151	1,081	1,866	1,281	1,230
	HV	990	928	1,167	1,221	938	677	921	983	964	899	961	1,314	1,060	742	760	807	842	918	972
	SPD	32.5	32.5	32.5	34.0	34.0	34.0	34.0	34.0	34.0	34.5	34.5	34.5	34.5	34.0	34.0	34.0	33	35	34
	total	2957	2990	3125	2828	1968	1649	1610	1588	1877	1787	2094	2814	2915	2111	1911	1888			
	% HV	33	31	37	43	48	41	57	62	51	50	41	47	36	35	40	43			
	BNL	77	77	77	77	75	74	74	74	75	75	75	77	77	75	75	75			
5210	% HV	3	3	4	4	5	4	5	8	5	5	4	4	4	3	4	4			
	Gradient	3	Gradient	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
	Distance	10	Distance	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr		
	Facade Noise Levels dB(A)	82.0	81.8	82.7	82.7	81.5	80.2	81.4	81.6	81.6	81.3	81.3	83.0	82.2	80.7	80.7	81.0	81.7		
	HKPSG Exceedances	12.0	11.8	12.7	12.7	11.5	10.2	11.4	11.6	11.6	11.3	11.3	13.0	12.2	10.7	10.7	11.0			
	16	= number of hours exceeded 70 dB(A)																		
	LV	1,642	1,585	1,064	839	841	808	807	918	834	1,007	1,188	1,520	1,337	988	730	539	1,437	1,189	964
	HV	837	857	1,049	1,294	1,264	1,102	1,082	1,203	1,370	1,253	1,057	1,081	1,023	638	398	248	851	1,046	995
5213	SPD	30.5	30.5	30.5	31.0	31.0	31.0	31.0	31.0	31.0	30.5	30.5	30.5	30.5	31.0	31.0	31.0	31	31	31
	total	2480	2442	2114	2133	2105	1910	1889	2121	2205	2260	2245	2601	2360	1625	1127	787			
	% HV	34	35	50	61	60	58	57	57	62	55	47	42	43	39	35	32			
	BNL	76	76	75	75	75	75	75	75	76	76	76	76	76	74	73	71			
	% HV	3	3	5	6	6	5	5	5	6	5	5	4	4	4	3	3			
	Gradient	3	Gradient	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
	Distance	12	Distance	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr		
	Facade Noise Levels dB(A)	80.8	80.8	81.5	82.3	82.2	81.7	81.6	82.0	82.6	82.3	81.6	81.8	81.5	79.5	77.5	75.5	81.3		
5229	HKPSG Exceedances	10.8	10.8	11.5	12.3	12.2	11.7	11.6	12.0	12.6	12.3	11.8	11.8	11.5	9.5	7.5	5.5			
	16	= number of hours exceeded 70 dB(A)																		
	LV	1,477	1,284	974	833	701	749	669	793	791	791	1,061	1,432	1,436	1,318	1,210	1,110	1,115	1,074	1,024
	HV	484	347	388	490	456	391	368	322	387	382	409	356	306	237	183	142	331	388	351
	SPD	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	28.5	28.5	28.5	29	29	29
	total	1962	1631	1362	1323	1157	1141	1036	1116	1178	1174	1470	1787	1742	1555	1393	1252			
	% HV	25	21	28	37	39	34	35	29	33	33	28	20	18	15	13	11			
	BNL	75	74	74	73	73	73	72	73	73	73	74	75	75	74	74	73			
	% HV	2	2	3	4	4	4	4	3	3	3	3	2	1	1	0	0			
	Gradient	3	Gradient	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
5231	Distance	50	Distance	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6			
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr		
	Facade Noise Levels dB(A)	73.3	72.0	72.3	73.1	72.8	72.2	71.9	71.5	72.2	72.1	72.5	72.2	71.7	70.7	69.8	68.9	72.0		
	HKPSG Exceedances	3.3	2.0	2.3	3.1	2.8	2.2	1.9	1.5	2.2	2.1	2.5	2.2	1.7	0.7	0.2	1.1			
	16	= number of hours exceeded 70 dB(A)																		
	LV	708	427	621	638	409	386	274	240	362	339	419	551	736	543	457	429	386	435	488
	HV	550	651	687	647	498	359	488	521	511	499	565	767	562	393	403	427	591	602	515
	SPD	29.5	29.5	29.5	26.5	26.5	26.5	26.5	26.5	26.5	29.0	29.0	29.0	29.0	26.5	26.5	26.5	30	29	27
	total	1258	1078	1308	1284	905	744	762	761	873	838	983	1318	1298	936	859	856			
	% HV	44	60	53	50	55	48	64	68	59	60	57	58	43	42	47	50			
	BNL	73	73	73	73	72	71	71	71	72	72	72	73	73	72	72	72			
	% HV	4	6	5	5	5	5	6	6	6	6	5	6	4	4	5	5			
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance	8	Distance	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr		
	Facade Noise Levels dB(A)	79.2	79.8	80.1	80.1	78.9	77.6	78.8	79.1	79.0	78.7	79.3	80.6	79.4	78.0	78.1	78.3	79.1		
	HKPSG Exceedances	9.2	9.8	10.1	10.1	8.9	7.6	8.8	9.1	9.0	8.7	9.3	10.6	9.4	8.0	8.1	8.3			
	16	= number of hours exceeded 70 dB(A)																		
	LV	791	929	813	627	403	379	269	236	356	383	672	705	724	534	449	422	841	698	490
	HV	687	726	815	799	613	443													

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2016CTS-3(815100)MAIN MODEL RUN-V86 SCI Low Rev Rec Budget Toll with New Bus

		Hour Start / 2-way Hourly Traffic Volume (veh.) or Speed (km/hr)																		Model Output		
Stn.		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22		AM	PM	OP	
5232	LV	490	514	427	292	244	233	239	243	267	274	363	491	600	453	342	258		458	390	341	
	HV	1,104	969	1,184	1,206	1,223	1,061	1,190	1,286	1,360	1,236	1,121	1,115	1,067	890	446	289		990	1,108	1,030	
	SPD	31.0	31.0	31.0	30.0	30.0	30.0	30.0	30.0	30.0	31.0	31.0	31.0	31.0	30.0	30.0	30.0		31	31	30	
	total	1594	1483	1611	1497	1466	1294	1429	1528	1627	1510	1485	1606	1667	1143	788	546					
	% HV	69	65	74	81	83	82	83	84	84	82	76	69	64	60	57	53					
	BNL	74	74	74	74	74	73	74	74	74	74	74	74	74	73	71	70					
	% HV	6	6	6	7	7	7	7	7	7	7	6	6	6	6	5	5					
	Gradient	3	Gradient																			
	Distance	8	Distance																			
	Surface	1	Surface																			
5233	LV	1,163	1,165	1,020	939	899	920	712	879	970	904	1,098	1,164	1,116	863	874	819		1,063	1,033	947	
	HV	235	246	337	404	371	281	366	396	388	375	273	302	230	166	119	82		244	275	293	
	SPD	24.5	24.5	24.5	25.5	25.5	25.5	25.5	25.5	24.0	24.0	24.0	24.0	24.0	25.5	25.5	25.5		25	24	26	
	total	1398	1411	1357	1343	1271	1201	1079	1274	1358	1279	1372	1487	1346	1029	993	901					
	% HV	17	17	25	30	29	23	34	31	29	29	20	21	17	16	12	9					
	BNL	74	74	74	73	73	73	73	73	74	73	74	74	73	72	72	72					
	% HV	1	1	3	3	3	2	4	3	3	3	2	2	1	1	0	0					
	Gradient	0	Gradient																			
	Distance	8	Distance																			
	Surface	1	Surface																			
5236	LV	364	374	322	292	280	286	222	273	302	271	282	334	347	268	272	255		342	265	295	
	HV	180	203	264	304	279	211	276	297	292	288	229	239	173	125	90	62		202	230	221	
	SPD	30.3	30.3	30.3	29.8	29.8	29.8	29.8	29.8	30.5	30.5	30.5	30.5	30.5	29.8	29.8	29.8		30	31	30	
	total	544	578	585	596	559	497	571	593	559	510	572	520	393	362	316						
	% HV	33	35	45	51	50	42	55	52	49	52	45	42	33	32	25	20					
	BNL	70	70	70	70	69	69	70	70	70	69	70	69	69	68	68	67					
	% HV	3	4	4	5	5	4	5	5	5	5	4	4	3	3	2	1					
	Gradient	0	Gradient																			
	Distance	8	Distance																			
	Surface	1	Surface																			
5252	LV	1,527	2,002	1,704	1,273	1,082	1,287	1,341	1,087	1,306	1,626	1,869	1,960	1,725	1,479	1,268	1,088		1,916	1,862	1,353	
	HV	1,411	1,618	2,005	2,235	2,376	2,089	2,343	2,258	2,112	2,210	1,933	1,815	1,204	1,071	953	848		1,567	1,841	1,902	
	SPD	55.3	55.3	55.3	55.8	55.8	55.8	55.8	55.8	53.0	53.0	53.0	53.0	53.0	56.8	56.8	56.8		55	53	56	
	total	2938	3620	3709	3508	3458	3376	3684	3345	3417	3835	3801	3674	2929	2550	2221	1935					
	% HV	48	45	54	64	68	62	64	68	62	58	51	49	41	42	43	44					
	BNL	77	78	78	78	78	77	78	77	78	78	78	78	77	76	76	75					
	% HV	5	5	6	6	6	6	6	6	6	6	5	5	4	5	5	5					
	Gradient	0	Gradient																			
	Distance	10	Distance																			
	Surface	1	Surface																			
5255	LV	1,746	1,738	1,118	1,029	935	889	989	1,078	1,171	1,152	1,369	1,693	1,523	1,353	1,203	1,089		1,477	1,376	1,205	
	HV	293	423	433	445	416	372	422	442	420	412	364	351	313	234	175	131		408	361	344	
	SPD	40.5	40.5	40.5	41.5	41.5	41.5	41.5	41.5	41.5	40.0	40.0	40.0	40.0	41.5	41.5	41.5		41	40	42	
	total	2040	2162	1551	1473	1350	1261	1411	1520	1591	1564	1733	2044	1836	1587	1378	1200					
	% HV	14	20	28	30	31	30	30	29	26	26	21	17	17	15	13	11					
	BNL	75	76	74	74	74	73	74	74	74	74	75	75	75	74	74	73					
	% HV	1	1	3	3	3	3	3	3	2	2	2	1	1	1	0	0					
	Gradient	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3					
	Distance	25	Distance																			
	Surface	1	Surface																			
5268	LV	807	488	708	727	467	440	312	274	413	383	459	617	839	619	521	489		442	478	557	
	HV	559	557	697	659	505	365	497	530	620	507	587	776	572	400	410	435		596	606	525	
	SPD	29.3	29.3	29.3	26.3	26.3	26.3	26.3	26.3	28.3	28.3	28.3	28.3	28.3	26.3	26.3	26.3		29	28	26	
	total	1566	1145	1405	1386	972	805	809	804	933	890	1027	1393	1411	1020	831	925					
	% HV	41	57	50	48	52	45	61	66	56	57	55	56	41	39	44	47					
	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	5	5	5	4	4	5	5					
	Gradient	8	Gradient																			
	Distance	8	Distance																			
	Surface	1	Surface																			

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2016CTS-3(815100)MAIN MODEL RUN-V86 SCI Low Rev Rec Budget Toll with New Bus

		Hour Start / 2-way Hourly Traffic Volume [veh.] or Speed (km/hr)																		Model Output		
Stn.		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	AM	PM	OP		
5259	LV	2,607	2,857	1,905	1,531	1,519	1,505	1,519	1,512	1,658	1,652	2,067	2,620	2,211	1,735	1,361	1,067	2,596	2,014	1,700		
	HV	1,539	1,763	2,007	2,961	2,842	2,291	2,259	2,355	2,248	2,127	2,125	1,867	1,726	1,362	1,075	848	1,712	2,011	1,992		
	SPD	77.0	77.0	77.0	78.0	78.0	78.0	78.0	78.0	77.5	77.5	77.5	77.5	77.5	78.0	78.0	78.0	77	78	78		
	total	4,146	4,620	3,913	4,492	4,361	3,796	3,778	3,867	3,908	3,779	4,182	4,507	3,937	3,097	2,435	1,916					
	% HV	37	38	51	66	65	60	60	61	58	56	51	42	44	44	44	44					
	BNL	78	79	78	79	79	78	78	78	78	78	78	79	76	77	76	75					
	% HV	8	6	7	8	7	7	7	7	7	7	6	6	6	6	6	6					
	Gradient	6	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2					
	Distance	43	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-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)		81.3	81.9	82.1	83.7	83.5	82.8	82.6	82.7	82.6	82.3	82.4	82.1	81.7	80.7	79.6	78.6	82.1				
HKPSG Exceedances		11.3	11.9	12.1	13.7	13.5	12.6	12.6	12.7	12.6	12.3	12.4	12.1	11.7	10.7	9.6	8.6					
		16 = number of hours exceeded 70 dB(A)																				
5270	LV	4,049	4,110	2,883	2,442	2,422	2,401	2,422	2,411	2,644	2,648	3,360	4,222	3,527	2,766	2,170	1,702	3,734	3,290	2,711		
	HV	1,761	2,010	2,295	3,392	3,256	2,624	2,588	2,698	2,575	2,457	2,623	2,199	1,977	1,560	1,231	972	1,952	2,387	2,282		
	SPD	81.5	81.5	81.5	83.0	83.0	83.0	83.0	83.0	81.5	81.5	81.5	81.5	81.5	83.0	83.0	83.0	82	82	83		
	total	5,810	6,120	5,178	5,834	5,678	5,025	5,011	5,109	5,220	5,105	5,983	6,421	5,503	4,326	3,401	2,674					
	% HV	30	33	44	58	57	52	52	53	49	48	43	34	36	36	36	36					
	BNL	80	80	79	80	80	79	79	79	79	79	80	80	80	79	78	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	-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)		80.7	81.2	81.4	82.9	82.7	81.9	81.8	82.0	81.8	81.8	81.8	81.5	81.0	80.0	79.0	78.0	81.4				
HKPSG Exceedances		10.7	11.2	11.4	12.9	12.7	11.9	11.8	12.0	11.8	11.6	11.8	11.5	11.0	10.0	9.0	8.0					
		16 = number of hours exceeded 70 dB(A)																				
5279	LV	4,321	3,306	2,757	2,502	2,106	2,250	2,009	2,383	2,377	2,398	3,311	4,377	4,314	3,960	3,634	3,335	2,871	3,352	3,076		
	HV	1,957	1,330	1,548	2,001	1,863	1,599	1,502	1,317	1,580	1,543	1,592	1,416	1,249	966	748	579	1,269	1,511	1,434		
	SPD	60.0	60.0	60.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	58.0	58.0	58.0	58.0	66.0	66.0	60	58	66		
	total	6,278	4,636	4,305	4,503	3,969	3,849	3,511	3,700	3,958	3,941	4,902	5,793	5,563	4,926	4,382	3,914					
	% HV	31	29	36	44	47	42	43	36	40	39	32	24	22	20	17	15					
	BNL	80	79	79	79	78	78	78	78	78	78	79	80	80	79	79	78					
	% HV	4	4	4	5	6	5	5	5	5	5	4	3	3	3	3	2					
	Gradient	0	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2					
	Distance	50	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-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)		80.9	79.3	79.7	81.0	80.6	80.1	79.8	79.4	80.1	79.5	79.8	79.7	79.3	78.9	78.1	77.2	79.7				
HKPSG Exceedances		10.9	9.3	9.7	11.0	10.6	10.1	9.8	9.4	10.1	9.5	9.8	9.7	9.3	8.9	8.1	7.2					
		16 = number of hours exceeded 70 dB(A)																				
5404	LV	2,780	2,750	1,878	1,634	1,481	1,608	1,448	1,411	1,477	1,882	2,140	3,282	2,900	2,312	1,844	1,470	2,441	2,223	1,929		
	HV	1,846	2,333	2,970	3,231	3,367	2,784	3,003	3,581	3,738	3,520	2,745	2,532	2,005	1,407	987	693	2,310	2,628	2,568		
	SPD	36.5	36.5	36.5	37.5	37.5	37.5	37.5	37.5	37.5	32.5	32.5	32.5	32.5	32.5	37.5	37.5	37	33	38		
	total	4,627	5,083	4,846	4,865	4,827	4,392	4,451	4,991	5,215	5,402	4,885	5,814	4,905	3,719	2,831	2,163					
	% HV	40	46	61	66	70	63	67	72	72	65	58	44	41	38	35	32					
	BNL	79	79	79	79	79	79	79	79	79	80	79	80	79	78	77	76					
	% HV	4	4	5	6	6	6	6	6	6	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	-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)		80.4	81.4	82.2	82.6	82.7	81.9	82.2	83.0	83.2	83.0	82.0	81.8	80.8	79.3	77.8	76.3	81.6				
HKPSG Exceedances		10.4	11.4	12.2	12.6	12.7	11.9	12.2	13.0	13.2	13.0	12.0	11.8	10.8	9.3	7.8	6.3					
		16 = number of hours exceeded 70 dB(A)																				
5405	LV	3,005	3,235	2,668	2,603	2,523	2,441	2,415	2,638	2,785	2,673	3,023	3,489	3,408	3,071	2,768	2,495	3,019	2,997	2,777		
	HV	1,411	1,316	1,734	1,982	1,933	1,842	1,855	1,914	1,923	1,855	1,634	1,433	1,294	1,061	871	715	1,344	1,582	1,572		
	SPD	53.5	53.5	53.5	52.5	52.5	52.5	52.5	52.5	52.5	51.0	51.0	51.0	51.0	52.5	52.5	52.5	54	51	53		
	total	4,416	4,551	4,402	4,585	4,455	4,283	4,270	4,552	4,708	4,528	4,657	4,921	4,702	4,133	3,639	3,209					
	% HV	32	29	38	43	43	43	43	42	41	41	35	29	28	26	24	22					
	BNL	79	79	79	79	79	79	79	79	79	79	79	79	79	78	78	77					
	% HV	4	3	4	5	5	5	5	4	4	4	4	3	3	3	3	2					
	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	-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)		81.8	81.6	82.5	82.9	82.8	82.6	82.6	82.8	82.9	82.6	82.2	81.8	81.3	80.8	80.0	79.2	82.0				
HKPSG Exceedances		11.8	11.6	12.5	12.9	12.8	12.6	12.6	12.8	12.9	12.6	12.2	11.8	11.5	10.8	10.0	9.2					
		16 = number of hours exceeded 70 dB(A)																				
5406	LV	4,366	4,512	4,295	4,045	3,212	3,282	3,068	3,663	3,726	4,131	4,580	5,330	4,747	4,122	3,580	3,109	4,224	4,622	3,871		
	HV	2,701	2,919	3,854	4,597	4,372	4,536	4,177	4,753	4,694	4,415	3,516	2,941	2,218	1,697	1,298	993	2,957	3,359	3,410		
	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	11	14		
	total	7,067	7,431	8,149	8,642	7,583	7,818	7,244	8,416	8,420	8,546	8,195	8,271	6,965	5,819	4,878	4,102					
	% HV	38	39	47	53	58	58	56	56	56	52	43	36	32	29	27	24					
	BNL	81	81	81	82	81	81	81	81	81	82	81	81	81	81	80	79	78				
	% HV	5	5	6	6	7	7	7	7	7	6	6	5	4	4	4	3					
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
	Distance	15	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-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</				

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2016CTS-3(815100)MAIN MODEL RUN-V86 SCI Low Rev Rec Budget Toll with New Bus

Stn.		Hour Start / 2-way Hourly Traffic Volume (veh.) or Speed (km/hr)																Model Output		
		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	AM	PM	OP
5407	LV	761	946	795	666	528	540	505	503	813	676	749	866	781	678	589	512	866	740	637
	HV	366	334	498	648	617	640	589	870	662	617	476	407	313	239	163	140	338	455	481
	SPD	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36	36	36
	total	1127	1280	1293	1314	1145	1180	1094	1273	1275	1293	1225	1273	1094	918	772	652			
	% HV	32	26	39	49	54	54	54	53	52	48	39	32	29	26	24	21			
	BNL	73	73	73	73	73	73	73	73	73	73	73	73	73	72	71	70			
	% HV	3	2	4	5	5	5	5	5	5	4	4	3	3	2	2	2			
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance	15	Distance	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr		
	Facade Noise Levels dB(A)	75.4	75.2	76.8	77.6	77.4	77.5	77.2	77.7	77.7	77.4	76.4	75.9	74.8	73.9	72.7	71.6	76.3		
	HKPSG Exceedances	5.4	5.2	6.6	7.6	7.4	7.5	7.2	7.7	7.7	7.4	6.4	5.9	4.8	3.8	2.7	1.6			
	16	= number of hours exceeded 70 dB(A)																		
5409	LV	1,135	1,090	1,211	1,334	1,120	1,148	929	1,048	1,167	1,251	1,374	1,483	1,266	906	977	1,026	983	1,394	1,144
	HV	798	1,176	1,265	1,417	1,427	1,224	1,212	1,339	1,300	1,428	1,160	1,224	933	728	618	555	1,099	1,153	1,109
	SPD	34.0	34.0	34.0	31.0	31.0	31.0	31.0	31.0	31.0	33.5	33.5	33.5	33.5	31.0	31.0	31.0	34	34	31
	total	1933	2265	2478	2752	2547	2370	2141	2387	2467	2679	2534	2707	2199	1632	1595	1580			
	% HV	41	52	51	52	56	52	57	58	53	53	46	45	42	45	39	35			
	BNL	75	76	76	77	76	76	76	76	76	76	76	76	77	76	74	74			
	% HV	4	5	5	5	5	5	5	5	5	5	4	4	4	4	4	3			
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance	12	Distance	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr		
	Facade Noise Levels dB(A)	79.4	81.0	81.3	81.9	81.9	81.3	81.2	81.6	81.5	81.8	81.0	81.2	80.1	79.1	78.4	78.0	80.8		
	HKPSG Exceedances	9.4	11.0	11.3	11.9	11.9	11.3	11.2	11.6	11.5	11.8	11.0	11.2	10.1	9.1	8.4	8.0			
	16	= number of hours exceeded 70 dB(A)																		
5410	LV	1,445	1,532	1,581	1,664	1,397	1,429	1,156	1,307	1,465	1,531	1,584	1,779	1,579	1,130	1,219	1,279	1,382	1,608	1,427
	HV	968	1,492	1,556	1,697	1,709	1,466	1,452	1,604	1,557	1,730	1,486	1,503	1,117	870	740	654	1,395	1,457	1,328
	SPD	33.0	33.0	33.0	28.5	28.5	28.5	28.5	28.5	31.0	31.0	31.0	31.0	31.0	28.5	28.5	28.5	33	31	29
	total	2413	3024	3137	3361	3106	2895	2610	2910	3012	3261	3050	3282	2696	1999	1959	1944			
	% HV	40	49	50	50	55	51	56	55	52	53	48	46	41	44	38	34			
	BNL	76	77	77	77	77	77	76	77	77	77	77	77	77	75	75	75			
	% HV	4	5	5	5	5	5	5	5	5	5	5	4	4	4	4	3			
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance	12	Distance	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr		
	Facade Noise Levels dB(A)	80.3	82.1	82.2	82.8	82.8	82.2	82.1	82.6	82.5	82.8	82.1	82.2	81.0	80.0	79.4	79.0	81.8		
	HKPSG Exceedances	10.3	12.1	12.2	12.8	12.8	12.2	12.1	12.6	12.5	12.8	12.1	12.2	11.0	10.0	9.4	9.0			
	16	= number of hours exceeded 70 dB(A)																		
5411	LV	1,460	1,601	1,340	1,223	852	968	862	846	1,082	996	1,109	1,714	1,523	1,017	680	454	1,327	1,124	1,075
	HV	387	430	620	839	723	550	618	671	663	651	604	505	406	252	157	98	412	577	524
	SPD	41.3	41.3	41.3	44.0	44.0	44.0	44.0	44.0	44.0	42.3	42.3	42.3	42.3	44.0	44.0	44.0	41	42	44
	total	1846	2031	1961	2062	1575	1618	1479	1517	1746	1647	1713	2220	1929	1270	836	551			
	% HV	21	21	32	41	46	40	42	44	38	40	35	23	21	20	19	18			
	BNL	75	75	75	75	74	74	74	74	75	74	75	76	75	73	71	70			
	% HV	2	2	3	4	4	4	4	4	4	4	3	2	2	2	1	1			
	Gradient	3	Gradient	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
	Distance	15	Distance	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr		
	Facade Noise Levels dB(A)	77.1	77.5	78.7	79.9	79.1	78.8	78.5	78.8	78.9	78.8	78.5	78.2	77.3	75.4	73.4	71.4	78.0		
	HKPSG Exceedances	7.1	7.5	8.7	9.9	9.1	8.8	8.5	8.8	8.9	8.8	8.5	8.2	7.3	5.4	3.4	1.4			
	16	= number of hours exceeded 70 dB(A)																		
5418	LV	558	503	371	312	282	280	250	297	296	286	336	498	537	493	452	415	437	340	383
	HV	283	243	239	275	256	220	206	181	217	218	244	206	172	133	103	79	232	232	197
	SPD	32.0	32.0	32.0	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32	33	33
	total	841	746	610	586	538	500	456	478	513	504	580	704	709	626	555	495			
	% HV	34	33	39	47	49	44	45	38	42	43	42	29	24	21	19	16			
	BNL	71	71	70	70	69	69	69	69	69	69	70	71	71	70	70	69			
	% HV	3	3	4	4	5	4	4	4	4	4	4	3	2	2	1	1			
	Gradient	0	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	Distance	50	Distance	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6			
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr		
	Facade Noise Levels dB(A)	69.7	69.1	68.9	69.4	69.0	68.4	68.2	67.7	68.4	68.4	68.9	68.4	67.8	66.8	65.9	64.9	68.3		
	HKPSG Exceedances	-0.3	-0.9	-1.1	-0.8	-1.0	-1.6	-1.8	-2.3	-1.6	-1.6	-1.1	-1.5	-2.2	-3.2	-4.1	-5.1			
	0	= number of hours exceeded 70 dB(A)																		
5419	LV	1,600	2,136	1,533	1,279	1,239	1,199	1,186	1,296	1,388	1,376	1,798	1,882	1,674	1,509	1,380	1,225	1,993	1,783	1,364
	HV	1,340	1,267	1,653	1,876	1,829														

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2016CTS-3(815100)MAIN MODEL RUN-V86 SCI Low Rev Rec Budget Toll with New Bus

		Hour Start / 2-way Hourly Traffic Volume (veh.) or Speed (km/hr)																						Model Output		
Stn.		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	AM		PM		OP				
5421	LV	293	208	174	163	163	157	156	178	162	208	289	328	259	192	142	105	189	289	187						
	HV	68	90	93	98	95	83	82	91	103	103	113	97	77	48	30	19	89	112	75						
	SPD	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	48.5	48.5	48.5	48.5	50.0	50.0	50.0	50	49	50						
	total	362	298	266	260	258	240	238	259	265	309	402	425	337	240	172	123									
	% HV	19	30	35	37	37	35	34	34	39	33	28	23	23	20	17	15									
	BNL	68	67	66	66	66	66	66	66	66	67	66	68	67	66	65	63									
	% HV	2	3	4	4	4	4	4	4	4	3	2	2	2	2	2	1									
	Gradient	3	Gradient																							
	Distance	12	Distance																							
	Surface	1	Surface																							
5463	LV	619	778	803	740	675	602	718	842	750	823	688	783	842	573	531	466	735	691	699						
	HV	597	517	599	653	845	772	673	792	898	771	690	734	497	323	181	190	491	664	633						
	SPD	47.5	47.5	47.5	45.0	45.0	45.0	45.0	45.0	44.0	44.0	44.0	44.0	44.0	45.0	45.0	45.0	48	44	45						
	total	1218	1296	1402	1593	1520	1374	1392	1635	1648	1593	1377	1517	1339	896	712	657									
	% HV	49	40	43	54	56	56	48	48	54	48	50	48	37	36	25	29									
	BNL	73	73	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	2	3									
	Gradient	3	Gradient																							
	Distance	20	Distance																							
	Surface	1	Surface																							
5467	LV	645	572	428	362	305	326	291	345	344	346	471	629	625	573	528	483	496	477	445						
	HV	212	178	177	207	193	185	153	136	163	166	192	158	129	100	77	80	168	182	148						
	SPD	48.2	48.2	48.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	48	49	49						
	total	857	748	604	569	498	491	445	481	508	512	664	787	754	673	603	543									
	% HV	25	24	29	36	39	34	35	28	32	32	29	20	17	15	13	11									
	BNL	72	71	70	70	69	69	69	69	69	69	70	71	71	70	70	70									
	% HV	3	2	3	4	4	4	4	3	3	3	2	2	2	2	2	2									
	Gradient	6	Gradient																							
	Distance	50	Distance																							
	Surface	1	Surface																							
5480	LV	1,554	1,550	1,584	1,417	1,205	1,433	1,493	1,210	1,454	1,741	1,781	1,917	1,921	1,647	1,412	1,211	1,485	1,775	1,506						
	HV	1,207	1,445	1,736	1,891	2,010	1,767	1,982	1,910	1,787	1,873	1,649	1,541	1,019	906	808	717	1,399	1,570	1,524						
	SPD	73.5	73.5	73.5	73.0	73.0	73.0	73.0	73.0	73.0	71.0	71.0	71.0	71.0	73.0	73.0	73.0	74	71	73						
	total	2761	2995	3320	3308	3215	3200	3475	3120	3240	3614	3430	3457	2940	2553	2219	1928									
	% HV	44	48	52	57	63	55	57	61	55	52	48	45	35	35	36	37									
	BNL	77	77	77	77	77	77	78	77	77	78	78	78	77	76	76	75									
	% HV	6	6	6	7	7	7	7	7	7	8	8	8	5	5	5	5									
	Gradient	0	Gradient																							
	Distance	30	Distance																							
	Surface	1	Surface																							
5496	LV	94	80	79	79	76	78	60	74	82	73	75	90	94	73	74	69	73	71	80						
	HV	1,363	1,581	2,010	2,284	2,100	1,588	2,071	2,235	2,192	2,138	1,812	1,741	1,300	937	676	465	1,568	1,622	1,657						
	SPD	62.5	62.5	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	63	62	61						
	total	1457	1681	2089	2363	2176	1665	2131	2310	2273	2211	1688	1832	1394	1009	749	534									
	% HV	94	95	96	97	97	95	97	97	96	97	96	95	93	93	90	87									
	BNL	74	74	75	76	76	74	75	76	76	76	76	74	75	74	72	71									
	% HV	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8									
	Gradient	0	Gradient																							
	Distance	30	Distance																							
	Surface	1	Surface																							
5605	LV	3,347	2,590	2,028	1,821	1,824	1,754	1,750	1,992	1,810	2,099	2,104	3,028	2,902	2,144	1,583	1,169	2,348	2,107	2,092						
	HV	1,113	1,046	1,361	1,755	1,715	1,495	1,469	1,632	1,859	1,676	1,341	1,423	1,387	865	539	338	1,039	1,326	1,350						
	SPD	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	50.5	50.5	50.5	50.5	53.5	53.5	53.5	54	51	54						
	total	4460	3636	3389	3576	3540	3249	3219	3624	3689	3775	3445	4451	4290	3009	2123	1506									
	% HV	25	29	40	49	48	46	45	51	44	39	32	32	32	29	25	22									
	BNL	79	78	78	78	78	77	77	78	78	78	78	79	79	77	75	74									
	% HV	3	3	4	5	5	5	5	5	5	4	3	3	3	3	2										
	Gradient	3	Gradient																							
	Distance	60	Distance																							
	Surface	1	Surface																							
	Angle	160	angle																							
	Facade Noise Levels dB(A)	76.7	76.2	77.0	78.0	77.9	77.3	77.3	77.7	78.2	77.7	76.9	77.3	77.2	75.4	73.5	71.6									
	HKPSG Exceedances	6.7	6.2	7.0	8.0	7.9	7.3	7.3	7.7	8.2	7.7	6.9	7.3	7.2	5.4	3.5	1.8									
	16 = number of hours exceeded 70 dB(A)																									

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2016CTS-3(815100)MAIN MODEL RUN-V86 SCI Low Rev Rec Budget Toll with New Bus

		Hour Start / 2-way Hourly Traffic Volume (veh.) or Speed (km/hr)																						Model Output		
Stn.		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	AM		PM		OP				
5656	LV	1,924	2,108	1,406	1,131	1,121	1,111	1,121	1,116	1,224	1,220	1,518	1,934	1,633	1,281	1,004	788	1,915	1,486	1,255						
	HV	1,446	1,663	1,889	2,779	2,668	2,151	2,121	2,211	2,110	1,999	2,005	1,775	1,620	1,278	1,009	796	1,616	1,898	1,870						
	SPD	79.8	79.8	79.8	80.5	80.5	80.5	80.5	80.5	80.5	80.0	80.0	80.0	80.0	80.5	80.5	80.5	80	80	81						
	total	3370	3771	3295	3910	3790	3262	3242	3327	3335	3219	3523	3709	3253	2559	2013	1584									
	% HV	43	44	57	71	70	66	65	66	63	62	57	48	50	50	50	50									
	BNL	77	78	77	78	78	77	77	77	77	78	78	77	78	77	78	75									
	% HV	6	6	7	9	8	8	8	8	8	7	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									
	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									
5673	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr								
	Facade Noise Levels dB(A)	79.3	79.9	80.1	81.7	81.5	80.6	80.6	80.7	80.6	80.3	80.4	80.1	79.6	78.5	77.6	76.6	80.1								
	HKPSG Exceedances	9.3	9.9	10.1	11.7	11.5	10.8	10.6	10.7	10.6	10.3	10.4	10.1	9.6	8.6	7.6	6.6									
	16 = number of hours exceeded 70 dB(A)																									
	LV	2,611	2,796	1,893	1,547	1,534	1,521	1,534	1,527	1,675	1,660	2,024	2,617	2,234	1,752	1,374	1,078	2,540	1,982	1,717						
	HV	1,203	1,399	1,577	2,305	2,213	1,784	1,759	1,834	1,750	1,683	1,769	1,517	1,344	1,060	837	660	1,359	1,674	1,551						
	SPD	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	82.0	82.0	82.0	82.0	83.0	83.0	83.0	83	82	83						
	total	3814	4195	3470	3852	3747	3304	3293	3361	3425	3343	3793	4134	3577	2812	2211	1738									
	% HV	32	33	45	60	59	54	53	55	51	50	47	37	38	38	38	38									
	BNL	78	78	78	78	78	77	77	77	78	77	78	78	78	77	76	75									
	% HV	5	6	7	7	7	7	7	7	7	7	7	6	6	6	6	6									
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
	Distance	30	Distance	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4									
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0									
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr								
	Facade Noise Levels dB(A)	80.5	81.1	81.2	82.8	82.4	81.6	81.5	81.7	81.5	81.3	81.6	81.3	80.7	79.7	78.7	77.7	81.1								
	HKPSG Exceedances	10.5	11.1	11.2	12.6	12.4	11.6	11.5	11.7	11.5	11.3	11.6	11.3	10.7	9.7	8.7	7.7									
	15 = number of hours exceeded 70 dB(A)																									
5679	LV	1,210	1,148	983	744	606	557	551	686	628	637	619	935	963	753	589	461	996	616	740						
	HV	266	267	289	274	291	247	304	353	330	331	287	288	204	158	120	92	257	282	251						
	SPD	35.0	35.0	35.0	36.0	36.0	36.0	36.0	36.0	36.0	36.5	36.5	36.5	36.5	36.0	36.0	36.0	35	37	36						
	total	1477	1415	1272	1018	897	804	856	1039	959	968	907	1203	1167	910	709	553									
	% HV	18	19	23	27	32	31	36	34	34	34	32	22	17	17	17	17									
	BNL	74	74	73	72	72	71	72	72	72	72	72	73	73	72	71	70									
	% HV	1	1	2	3	3	3	3	3	3	3	3	2	1	1	1	1									
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
	Distance	30	Distance	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4									
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0									
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr								
	Facade Noise Levels dB(A)	72.0	72.0	72.1	71.7	71.8	71.2	72.0	72.7	72.4	72.4	71.8	71.8	70.9	69.8	68.7	67.5	71.5								
	HKPSG Exceedances	2.0	2.0	2.1	1.7	1.8	1.2	2.0	2.7	2.4	2.4	1.8	1.8	0.9	-0.2	-1.3	-2.5									
	13 = number of hours exceeded 70 dB(A)																									
5691	LV	2,704	2,403	2,159	1,683	1,372	1,261	1,248	1,552	1,422	1,437	1,377	2,102	2,180	1,705	1,334	1,044	2,085	1,370	1,676						
	HV	508	486	544	528	561	477	587	680	637	640	561	520	393	302	231	178	468	551	484						
	SPD	65.0	65.0	65.0	68.0	68.0	68.0	68.0	68.0	68.0	70.0	70.0	70.0	70.0	68.0	68.0	68.0	65	70	68						
	total	3211	2889	2702	2211	1933	1738	1835	2232	2059	2077	1939	2623	2573	2007	1568	1221									
	% HV	16	17	20	24	29	27	32	30	31	31	29	20	15	15	15	15									
	BNL	77	77	77	76	75	75	75	76	75	75	75	76	76	75	74	73									
	% HV	2	3	3	4	4	4	4	4	4	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	30	Distance	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4									
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0									
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	Average Level over 16 hr								
	Facade Noise Levels dB(A)	76.7	76.4	76.5	76.3	76.3	75.7	76.4	77.1	76.8	76.9	76.5	76.7	76.0	74.7	73.6	72.5	76.1								
	HKPSG Exceedances	6.7	6.4	6.5	6.3	6.3	5.7	6.4	7.1	6.8	6.9	6.5	6.7	6.0	4.7	3.6	2.5									
	16 = number of hours exceeded 70 dB(A)																									
5806	LV	3,291	2,445	1,971	1,808	1,811	1,741	1,738	1,978	1,797	2,103	2,195	3,066	2,882	2,128	1,572	1,161	2,217	2,198	2,077						
	HV	1,039	1,017	1,285	1,623	1,586	1,382	1,358	1,509	1,719	1,560	1,281	1,335	1,283	800	499	311	1,010	1,267	1,248						
	SPD	30.0	30.0	30.0	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	30	29	29						
	total	4330	3462	3256	3431	3397	3124	3095	3487	3516	3663	3476	4401	4164	2928	2071	1472									
	% HV	24	29	39	47	44	44	43	49	43	37	30	31	27	24	21	21									
	BNL	79	78	77	78	78	77	77	78	78	78	78	79	78	77	75	74									

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2016CTS-3(815100)MAIN MODEL RUN-V86 SCI Low Rev Rec Budget Toll with New Bus

		Hour Start / 2-way Hourly Traffic Volume (veh.) or Speed (km/hr)																					Model Output		
Stn.		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	AM		PM		OP			
5810	LV	1,480	1,516	1,605	1,717	1,442	1,475	1,195	1,348	1,502	1,579	1,633	1,835	1,629	1,166	1,258	1,320	1,368	1,658	1,473					
	HV	1,008	1,330	1,548	1,844	1,856	1,593	1,577	1,742	1,691	1,854	1,495	1,586	1,213	945	804	722	1,243	1,486	1,443					
	SPD	37.5	37.5	37.5	32.0	32.0	32.0	32.0	32.0	32.0	34.5	34.5	34.5	32.0	32.0	32.0	32.0	38	35	32					
	total	2,488	2,846	3,153	3,561	3,298	3,067	2,772	3,090	3,193	3,433	3,128	3,421	2,843	2,110	2,062	2,042								
	% HV	41	47	49	52	56	52	57	56	53	54	48	45	43	45	39	35								
	BNL	76	77	77	78	77	77	77	77	78	77	78	77	78	77	75	75								
	% HV	4	4	5	5	5	5	5	5	5	5	5	4	4	4	4	3								
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0								
	Distance	12	Distance	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1								
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0								
5816	LV	1,056	1,440	1,020	836	810	784	776	847	894	864	999	1,135	1,095	987	899	801	1,344	990	892					
	HV	764	805	974	1,037	1,012	964	971	1,002	1,007	987	915	775	677	556	458	374	822	886	823					
	SPD	24.5	24.5	24.5	26.5	26.5	26.5	26.5	26.5	26.5	24.5	24.5	24.5	24.5	24.5	26.5	26.5	25	25	27					
	total	1820	2245	1994	1874	1822	1749	1747	1849	1901	1851	1914	1911	1772	1542	1345	1175								
	% HV	42	36	49	55	56	55	56	54	53	53	48	41	38	36	34	32								
	BNL	75	76	75	75	75	75	75	75	75	75	75	75	75	74	73	73								
	% HV	5	4	5	6	6	6	6	5	5	6	5	5	4	4	4	3								
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0								
	Distance	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								
5818	LV	453	595	431	365	343	342	338	370	390	387	488	522	477	430	388	349	555	482	389					
	HV	411	448	530	552	538	513	517	533	536	534	517	426	360	296	243	199	458	501	438					
	SPD	28.0	28.0	28.0	29.5	29.5	29.5	29.5	29.5	29.5	27.5	27.5	27.5	27.5	29.5	29.5	29.5	28	28	30					
	total	864	1043	961	917	882	855	855	903	926	920	1004	948	838	726	630	549								
	% HV	48	43	55	60	60	60	60	59	58	58	52	45	43	41	38	36								
	BNL	72	72	72	72	72	72	72	72	72	72	72	72	71	71	70	70								
	% HV	5	4	5	6	6	6	6	5	5	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	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								
5823	LV	484	709	549	414	473	443	435	469	480	495	540	557	544	435	549	461	648	530	478					
	HV	1,113	1,131	1,518	1,668	1,539	1,478	1,641	1,743	1,680	1,534	1,425	1,147	902	651	427	457	1,176	1,325	1,270					
	SPD	20.5	20.5	20.5	22.0	22.0	22.0	22.0	22.0	22.0	20.0	20.0	20.0	20.0	22.0	22.0	22.0	21	19	22					
	total	1598	1840	2065	2282	2012	1921	2076	2211	2160	2030	1965	1703	1446	1085	976	918								
	% HV	70	61	73	82	76	77	79	79	78	78	73	67	62	60	44	50								
	BNL	74	75	75	76	75	75	75	76	76	75	75	75	74	73	72	72								
	% HV	7	7	8	8	7	7	8	8	8	8	8	7	7	6	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								
	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								
5834	LV	1,813	1,991	1,666	1,519	1,058	1,202	1,070	1,051	1,344	1,239	1,384	2,133	1,892	1,263	844	564	1,651	1,403	1,335					
	HV	512	571	823	1,113	958	862	819	689	890	859	785	863	538	334	208	129	546	750	694					
	SPD	43.5	43.5	43.5	45.0	45.0	45.0	45.0	45.0	45.0	43.5	43.5	43.5	43.5	45.0	45.0	45.0	44	44	45					
	total	2,325	2,562	2,489	2,631	2,016	2,064	1,889	1,940	2,224	2,097	2,169	2,797	2,430	1,598	1,052	693								
	% HV	22	22	33	42	48	42	43	46	40	41	36	24	22	21	20	19								
	BNL	76	76	76	76	75	75	75	75	75	75	77	76	74	72	71									
	% HV	2	2	3	4	5	4	4	4	4	4	2	2	2	2	2									
	Gradient	9	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								
	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								
5852	LV	325	327	280	196	163	156	160	163	179	184	245	330	402	303	229	173	292	256	229					
	HV	613	498	643	682	692	600	673	728	770	666	505	570	604	381	253	163	509	499	583					
	SPD	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	19	20	17					
	total	938	825	922	878	855	757	834	890	948	850	749	900	1006	694	482	336								
	% HV	65	60	70	78	81	79	81	82	81	78	67	63	60	56	52	49								
	BNL	72	71	72	72	72	71	71	72	72	71	71	72	72	71	69	67								
	% HV	7	7	8	8	8	8	8	8	8	8	7	7	7	6	6									
	Gradient	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
	Distance	15	Distance	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1								
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0								
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5								
	Facade Noise Levels dB(A)	80.1	80.6	81.8	82.9	82.2	81.8	81.6	81.9	81.9	81.8	81.5	81.2	80.3	78.4	76.4	74.4	81.0							
	HKPSG Exceedances	10.1	10.6	11.8	12.9	12.2	11.8	11.6	11.9	11.9	11.8	11.5	11.2	10.3	8.4	6.4	4.4								
	16 = number of hours exceeded 70 dB(A)																								

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2016CTS-3/815100)MAIN MODEL RUN-V86 SCI Low Rev Rec Budget Toll with New Bus

2016CTS-3(815100)MAIN MODEL RUN-V08 SCI LOW REV REG BDDG																						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							
5455	LV	1,888	1,484	1,251	1,324	1,128	1,116	1,242	1,264	1,355	1,593	1,732	2,142	2,195	1,752	1,399	1,117		1,308	1,689	1,499			
	HV	1,031	1,170	1,447	1,537	1,602	1,457	1,500	1,910	1,798	1,532	1,356	1,300	1,045	829	658	522		1,126	1,331	1,320			
	SPD	56.0	56.0	56.0	52.5	52.5	52.5	52.5	52.5	50.5	50.5	50.5	50.5	50.5	52.5	52.5	52.5		56	51	53			
	total	2919	2654	2698	2861	2730	2573	2742	3175	3153	3225	3088	3442	3240	2581	2056	1638							
	% HV	35	44	54	54	59	57	55	60	57	51	44	38	32	32	32	32							
	BNL	77	77	77	77	77	77	77	77	77	77	77	78	77	76	75	74							
	% HV	4	5	6	5	6	6	5	6	6	5	5	4	3	4	4	4							
	Gradient	0	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2							
	Distance	50	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6						
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0						
Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5							
Facade Noise Levels dB(A)		77.7	78.1	78.8	78.9	79.0	78.7	78.8	79.8	79.8	79.1	78.4	78.4	77.6	76.7	75.7	74.7							
HKPSG Exceedances		7.7	8.1	8.8	8.9	9.0	8.7	8.8	9.8	9.8	9.1	8.4	8.4	7.6	6.7	5.7	4.7							
16 = number of hours exceeded 70 dB(A)																								
6001	LV	2,765	2,242	1,847	1,926	1,641	1,623	1,807	1,840	1,972	2,308	2,457	3,084	3,194	2,549	2,035	1,625		1,975	2,396	2,181			
	HV	2,132	2,681	3,082	3,097	3,228	2,936	3,023	3,549	3,623	3,277	2,891	2,601	2,106	1,670	1,325	1,051		2,579	2,641	2,859			
	SPD	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	50.0	50.0	50.0	50.0	51.5	51.5	51.5		52	50	52			
	total	4897	4922	4929	5023	4869	4559	4830	5689	5594	5584	5148	5685	5299	4220	3360	2676							
	% HV	44	54	63	62	66	64	63	68	65	59	52	46	40	40	39	39							
	BNL	79	79	79	79	79	79	79	80	80	80	79	80	79	78	77	76							
	% HV	5	5	6	6	6	6	6	6	6	5	5	4	4	4	4	4							
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
	Distance	50	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6						
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0						
Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5							
Facade Noise Levels dB(A)		78.7	79.5	80.0	80.0	80.2	79.8	79.9	80.9	80.7	80.2	79.5	79.4	78.6	77.7	76.7	75.7							
HKPSG Exceedances		8.7	9.5	10.0	10.0	10.2	9.8	9.9	10.9	10.7	10.2	9.5	9.4	8.6	7.7	6.7	5.7							
16 = number of hours exceeded 70 dB(A)																								
6002	LV	2,117	2,005	1,477	1,422	1,212	1,198	1,334	1,358	1,455	1,706	1,833	2,287	2,357	1,882	1,502	1,199		1,768	1,788	1,610			
	HV	1,811	2,284	2,620	2,629	2,740	2,492	2,566	3,268	3,075	2,797	2,340	2,233	1,787	1,418	1,125	892		2,197	2,297	2,257			
	SPD	40.5	40.5	40.5	43.5	43.5	43.5	43.5	43.5	43.5	39.5	39.5	39.5	39.5	43.5	43.5	43.5		41	40	44			
	total	3928	4288	4097	4051	3952	3690	3900	4626	4530	4503	4174	4520	4145	3300	2627	2091							
	% HV	45	53	64	65	69	68	66	71	68	62	56	49	43	43	43	43							
	BNL	78	79	78	78	78	78	78	79	79	79	78	79	78	77	76	75							
	% HV	4	5	6	6	6	6	6	5	5	5	5	4	4	4	4	4							
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
	Distance	50	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6						
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0						
Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5							
Facade Noise Levels dB(A)		77.5	78.5	79.0	79.0	79.2	78.8	78.9	79.9	79.7	79.2	78.5	78.4	77.5	76.6	75.6	74.6							
HKPSG Exceedances		7.5	8.5	9.0	9.0	9.2	8.8	8.9	9.9	9.7	9.2	8.5	8.4	7.5	6.6	5.6	4.6							
16 = number of hours exceeded 70 dB(A)																								
6009	LV	980	986	644	494	494	475	474	540	491	590	689	889	787	581	429	317		894	690	567			
	HV	453	536	593	671	656	571	561	624	711	660	587	579	530	331	206	129		532	581	516			
	SPD	39.0	39.0	39.0	41.5	41.5	41.5	41.5	41.5	41.5	39.0	39.0	39.0	39.0	41.5	41.5	41.5		39	39	42			
	total	1432	1522	1237	1164	1150	1047	1036	1164	1201	1251	1277	1468	1317	912	635	446							
	% HV	32	35	48	58	57	55	54	54	59	53	46	39	40	36	32	29							
	BNL	74	74	73	73	73	72	72	73	73	73	73	74	73	72	70	69							
	% HV	3	3	5	5	5	5	5	5	5	4	4	4	4	4	3	3							
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
	Distance	12	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1						
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0						
Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5							
Facade Noise Levels dB(A)		77.2	77.8	78.0	78.5	78.4	77.8	77.8	78.7	78.4	78.0	78.1	77.7	75.7	73.8	71.8	77.5							
HKPSG Exceedances		7.2	7.8	8.0	8.5	8.4	7.8	7.8	8.2	8.7	8.4	8.0	8.1	7.7	5.7	3.8	1.8							
16 = number of hours exceeded 70 dB(A)																								
6011	LV	909	1,033	822	773	749	725	718	784	827	778	816	992	1,012	912	822	741		964	809	825			
	HV	517	577	671	690	672	641	645	666	669	662	630	525	450	369	303	249		589	610	547			
	SPD	27.0	27.0	27.0	29.0	29.0	29.0	29.0	29.0	29.0	28.0	28.0	28.0	28.0	29.0	29.0	29.0		27	28	29			
	total	1426	1610	1493	1483	1422	1366	1363	1450	1496	1440	1446	1517	1463	1282	1125	990							
	% HV	36	38	45	47	47	47	47	46	45	46	44	35	31	29	27	25							
	BNL	74	74	74	74	74	74	74	74	74	74	74	74	74	73	73	72							
	% HV	4	4	5	5	5	5	5	5	4	5	4	4	3	3	3	2							
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
	Distance	12	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1						
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0						
Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5							
Facade Noise Levels dB(A)		78.0	78.4	79.0	78.9	78.8	78.6	78.8	78.8	78.8	78.8	78.6	78.0	77.4	76.5	75.7	74.9							
HKPSG Exceedances		8.0	8.4	9.0	8.9	8.8	8.6	8.6	8.8	8.8	8.8	8.6	8.0	7.4	6.5	5.7	4.9							
16 = number of hours exceeded 70 dB(A)																								
6014	LV	1,746	1,738	1,118	1,029	935	889	989	1,078	1,171	1,152	1,369	1,693	1,523	1,353	1,203	1,069		1,477	1,376	1,205			
	HV	293	423	433	445	416	372	422	442	420	412	364	351	313	234	175	131		408	361	344			
	SPD	40.5	40.5	40.5	41.5	41.5	41.5	41.5	41.5	41.5	40.0	40.0	40.0	40.0	41.5	41.5	41.5		41	40	42			
	total	2040	2162	1551	1473	1350	1261	1411	1520	1591	1564	1733	2044	1836	1587	1378	1200							
	% HV	14	20	28	30	31	30	30	29	26	26	21	17	15	13	11								
	BNL	75	75	74	74	74	73	74	74	74	74	75	75	75	74	74	73							
	% HV	1	1	3	3	3	3	3	3	2	2	2	2	2	2	2	2							
	Gradient	6	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2							
	Distance	12	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1						
	Surface	1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0									

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2016CTS-3(815100)MAIN MODEL RUN-V86 SCI Low Rev Rec Budget Toll with New Bus

		Hour Start / 2-way Hourly Traffic Volume (veh.) or Speed (km/hr)																						Model Output		
Str.		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	AM		PM		OP				
6027	LV	612	551	643	729	612	626	507	572	637	628	572	680	692	495	534	560	497	520	625						
	HV	396	543	647	683	687	590	584	645	626	701	611	614	449	350	258	287	601	607	534						
	SPD	29.0	29.0	29.0	26.0	26.0	26.0	26.0	26.0	27.5	27.5	27.5	27.5	27.5	26.0	26.0	26.0	29	28	26						
	total	1008	1194	1290	1411	1299	1215	1091	1217	1263	1330	1123	1295	1141	844	832	827									
	% HV	39	54	50	48	53	49	53	53	50	53	54	47	39	41	36	32									
	BNL	72	73	73	74	73	73	73	73	73	73	73	73	73	71	71	71									
	% HV	4	5	5	5	5	5	5	5	5	5	5	5	4	4	4	3									
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
	Distance	8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
6028	LV	1244	1149	1197	1045	671	632	448	394	594	581	816	984	1207	890	749	703	1040	848	800						
	HV	939	927	1121	1148	881	636	866	924	907	871	934	1317	997	697	715	758	841	995	914						
	SPD	26.5	26.5	26.5	25.5	25.5	25.5	25.5	25.5	25.5	26.5	26.5	26.5	26.5	25.5	25.5	25.5	27	27	26						
	total	2183	2076	2318	2193	1552	1269	1314	1318	1500	1452	1750	2301	2203	1588	1463	1462									
	% HV	43	45	48	52	57	50	66	70	60	60	53	57	45	44	49	52									
	BNL	76	75	76	76	74	73	73	73	74	74	75	76	76	74	74	74									
	% HV	5	5	5	5	6	5	6	7	6	6	5	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	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
6030	LV	447	359	369	380	364	372	288	356	392	352	365	433	451	349	353	331	328	343	383						
	HV	90	129	156	143	108	141	152	149	142	95	112	89	64	46	32	32	92	96	113						
	SPD	36.5	36.5	36.5	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	537	482	498	535	507	490	429	508	542	494	480	545	540	413	399	363									
	% HV	17	21	26	29	28	23	33	30	28	29	21	21	16	15	12	9									
	BNL	70	69	69	69	69	69	69	69	70	69	69	70	70	68	68	68									
	% HV	1	2	2	3	3	2	3	3	3	2	2	2	1	1	0	-1									
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
	Distance	8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
6033	LV	1107	1066	960	903	865	885	846	934	898	1219	1197	1073	830	840	787	973	1145	911							
	HV	934	1078	1376	1567	1441	1089	1421	1534	1504	1493	1201	1240	892	843	484	319	1068	1208	1137						
	SPD	28.5	26.5	26.5	24.0	24.0	24.0	24.0	24.0	24.0	24.5	24.5	24.5	24.5	24.0	24.0	24.0	27	25	24						
	total	2041	2144	2336	2470	2306	1974	2106	2379	2437	2392	2419	2437	1965	1473	1304	1107									
	% HV	46	50	59	63	62	55	67	64	62	50	51	46	44	36	29										
	BNL	75	76	76	76	76	75	76	76	76	76	76	76	75	74	73	73									
	% HV	5	5	6	6	6	6	7	6	6	5	5	5	5	5	4	3									
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
	Distance	8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
6040	LV	2221	1829	1370	1189	1191	1145	1143	1301	1182	1398	1526	2064	1895	1400	1034	784	1558	1528	1366						
	HV	743	877	973	1103	1077	939	922	1025	1168	1093	996	966	871	543	339	211	871	985	848						
	SPD	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	12	14	16						
	total	2964	2706	2343	2292	2269	2084	2065	2326	2350	2491	2522	3030	2787	1943	1373	975									
	% HV	25	32	42	48	47	45	45	44	50	44	39	32	31	28	25	22									
	BNL	77	77	76	76	76	75	75	76	76	76	76	76	77	75	74	72									
	% HV	3	4	5	6	6	6	6	6	6	6	6	6	4	4	3	3									
	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
	Distance	8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
	Surface	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
6051	LV	351	365	432	441	402	359	428	502	447	523	537	532	502	341	317	278	345	541	417						
	HV	438	367	435	629	623	570	497	585	662	552	435	508	367	239	134	140	349	419	467						
	SPD	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	70.0	70.0	70.0	70	70	70						
	total	789	733	867	1070	1026	928	925	1086	1109	1074	972	1039	868	580	450	418									
	% HV	55	50	50	59	61	61	54	54	60	51	45	49	42	41	30	34									
	BNL	71	71	72	72	72	72	72	72	73	73	72	72	72	70	69	68									
	% HV	6	6	6	7	7	6	6	6	7	6	6	6	6	5	4	5									
	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	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
	Angle	160	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5									
	Facade Noise Levels dB(A)	76.2	75.6	76.3	77.8	77.7	77.3	76.8	77.5	78.0	77.3	76.4	77.0	75.7	73.9	71.8	71.8									
	HKPSG Exceedances	6.2	5.6	6.3	7.8	7.7	7.3	6.8	7.5	8.0	7.3	8.4	7.0	5.7	3.9	1.8	1.8									
		16 = number of hours exceeded 70 dB(A)																								

Third Comprehensive Transport Study (CTS-3)

Future Year Hourly Profile of Traffic Volume and Speed

2016CTS-3(815100)MAIN MODEL RUN-V86 SCI Low Rev Rec Budget Toll with New Bus

Stn.		Hour Start / 2-way Hourly Traffic Volume (veh.) or Speed (km/hr)																						Model Output		
		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	AM	PM	OP						
6057	LV	1,872	1,449	1,134	1,018	1,020	981	979	1,114	1,012	1,167	1,249	1,735	1,523	1,199	886	654	1,314	1,251	1,170						
	HV	594	544	721	943	921	803	789	877	999	910	757	762	745	465	290	181	541	749	725						
	SPD	44.3	44.3	44.3	43.3	43.3	43.3	43.3	43.3	43.0	43.0	43.0	43.0	43.0	43.3	43.3	43.3	44	43	43						
	total	2466	1993	1856	1961	1941	1784	1768	1991	2011	2097	2007	2516	2368	1664	1175	835									
	% HV	24	27	39	48	47	45	45	44	50	43	38	31	31	28	25	22									
	BNL	76	75	75	75	75	75	75	75	75	75	75	76	76	74	73	71									
	% HV	2	3	4	5	5	4	4	4	5	4	4	3	3	3	2	2									
	Gradient	3	Gradient	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
	Distance	12	Distance	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1									
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0									
6058	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5									
	Facade Noise Levels dB(A)	79.7	79.1	80.0	81.0	80.9	80.4	80.3	80.8	81.2	80.9	80.2	80.5	80.3	78.4	76.5	74.6									
	HKPSG Exceedances	9.7	9.1	10.0	11.0	10.9	10.4	10.3	10.8	11.2	10.9	10.2	10.5	10.3	8.4	6.5	4.6									
	16	= number of hours exceeded 70 dB(A)																								
	LV	1,290	1,242	1,118	1,052	1,007	1,031	798	985	1,087	1,023	1,283	1,330	1,250	967	979	917	1,134	1,207	1,061						
	HV	1,013	1,029	1,440	1,752	1,611	1,218	1,588	1,715	1,681	1,638	1,224	1,330	997	718	518	357	1,020	1,231	1,271						
	SPD	39.3	39.3	39.3	37.3	37.3	37.3	37.3	37.3	37.5	37.5	37.5	37.5	37.5	37.3	37.3	37.3	39	38	37						
	total	2303	2271	2558	2804	2618	2249	2387	2700	2768	2659	2507	2659	2247	1685	1497	1274									
	% HV	44	45	56	62	62	54	67	64	61	62	49	50	44	43	35	28									
	BNL	76	76	76	77	76	76	76	77	77	76	76	76	76	74	74	73									
	% HV	4	4	5	6	5	5	6	5	5	5	5	5	4	4	3	3									
6201	Gradient	0	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
	Distance	21	Distance	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3									
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0									
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5									
	Facade Noise Levels dB(A)	78.4	78.5	79.8	80.6	80.2	79.1	80.1	80.5	80.4	80.3	79.2	79.5	78.3	76.9	75.7	74.2									
	HKPSG Exceedances	8.4	8.5	9.8	10.6	10.2	9.1	10.1	10.5	10.4	10.3	9.2	9.5	8.3	6.9	5.7	4.2									
	16	= number of hours exceeded 70 dB(A)																								
	LV	4,453	4,687	4,405	4,105	3,259	3,330	3,113	3,717	3,781	4,188	4,728	5,398	4,816	4,183	3,633	3,156	4,388	4,570	3,928						
	HV	2,741	2,958	3,909	4,687	4,439	4,605	4,240	4,825	4,765	4,483	3,574	2,988	2,252	1,723	1,318	1,008	2,997	3,415	3,462						
	SPD	58.0	59.0	59.0	58.5	58.5	58.5	58.5	58.5	58.5	57.0	57.0	57.0	57.0	58.5	58.5	58.5	59	57	59						
	total	7194	7645	8315	8771	7697	7935	7353	8543	8548	8671	8303	8386	7069	5906	4951	4163									
	% HV	38	39	47	53	58	58	56	56	56	52	43	36	32	29	27	24									
	BNL	81	81	81	82	81	81	81	82	82	82	81	81	81	80	79	78									
	% HV	4	5	5	6	6	6	6	6	6	5	5	4	4	4	3	3									
6203	Gradient	0	Gradient	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
	Distance	15	Distance	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1									
	Surface	1	Surface	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0									
	Angle	160	angle	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5									
	Facade Noise Levels dB(A)	84.9	85.2	86.2	86.9	86.6	86.7	86.4	87.0	86.9	86.6	85.8	85.2	84.1	83.1	82.1	81.1									
	HKPSG Exceedances	14.9	15.2	16.2	16.9	16.6	16.7	16.4	17.0	16.9	16.6	15.8	15.2	14.1	13.1	12.1	11.1									
	16	= number of hours exceeded 70 dB(A)																								
	LV	1,920	2,329	2,182	2,142	1,799	1,840	1,491	1,682	1,873	1,986	2,107	2,327	2,033	1,454	1,569	1,647	2,101	2,138	1,837						
	HV	886	1,187	1,367	1,514	1,625	1,394	1,381	1,525	1,481	1,608	1,251	1,361	1,062	827	704	632	1,110	1,243	1,263						
	SPD	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.0	38.0	38.0	38.0	38.5	38.5	38.5	39	38	39						
	total	2807	3516	3548	3756	3424	3234	2872	3207	3354	3594	3357	3688	3095	2281	2273	2279									
	% HV	32	34	39	43	47	43	48	48	44	45	37	37	34	36	31	28									
	BNL	77	78	78	78	78	77	77	77	77	78	77	78	77	76	76	76									
	% HV	3	3	4	4	4	4	5	4	4	4	4	4	3	3	3	3									
6213	Gradient	3	Gradient	1	1	1																				