

## Glen Isle Development Heating System Boilers Emissions Estimation

Project Development Size <sup>a</sup> :	2,203,750 square feet (ft <sup>2</sup> )
Natural Gas Fuel Use Factor <sup>b</sup> :	163 ft <sup>3</sup> /ft <sup>2</sup> -yr
Natural Gas Emission Factor <sup>c</sup> :	7.6 lbs/MMft <sup>3</sup>

Annual PM Emission Rate:

$$\begin{array}{r} 2.204 \text{ MMft}^2 \\ \times 163 \text{ ft}^3/\text{ft}^2\text{-yr} \\ \times 7.6 \text{ lbs/MMft}^3 \\ \hline = 2730 \text{ lbs/yr} \\ = 1.37 \text{ tons/yr} \end{array}$$

Notes:

- Provided in Glen Isle DEIS.
- Fuel factor for natural gas taken from "Fuel for Residential and Commercial Buildings in New York City" Department of Air Resources; September 1975.
- Emission factor for natural gas is taken from USEPA AP-42 Section 1.4 Table 1.4-2.

## FUEL FACTOR

DEPARTMENT OF AIR RESOURCES

BUREAU OF TECHNICAL SERVICES

1512

Fuel Factors for Residential & Commercial Buildings in New York  
City - Amount of Fuel Oil, Natural Gas, & Coal Consumed for  
Space Heating & Domestic Hot Water.

WILLIAM TANG

Office of Control Strategy Planning,  
Analysis, and Implementation

September 1975

TABLE VIII

RESIDENTIAL FUEL FACTORS FOR GAS AND COAL - NEW YORK CITY  
(SPACE HEATING + DOMESTIC HOT WATER)

No. of Stories	<u>NATURAL GAS</u>			
	Manhattan ft <sup>3</sup> /ft <sup>2</sup> -yr	Bronx ft <sup>3</sup> /ft <sup>2</sup> -yr	Brooklyn ft <sup>3</sup> /ft <sup>2</sup> -yr	Queens ft <sup>3</sup> /ft <sup>2</sup> -yr
1 - 3	153	163 ←	141	137
4 - 6	134	126	112	112
7 - 12	116	109	88	102
13 - up	100	110	110	103

No. of Stories	<u>COAL</u>			
	Manhattan tons/ft <sup>2</sup> -yr	Bronx tons/ft <sup>2</sup> -yr	Brooklyn tons/ft <sup>2</sup> -yr	Queens tons/ft <sup>2</sup> -yr
1 - 3	7.89 x 10 <sup>-3</sup>	8.41 x 10 <sup>-3</sup>	7.31 x 10 <sup>-3</sup>	7.09 x 10 <sup>-3</sup>
4 - 6	6.94 x 10 <sup>-3</sup>	6.51 x 10 <sup>-3</sup>	5.77 x 10 <sup>-3</sup>	5.77 x 10 <sup>-3</sup>
7 - 12	5.99 x 10 <sup>-3</sup>	5.63 x 10 <sup>-3</sup>	4.53 x 10 <sup>-3</sup>	5.26 x 10 <sup>-3</sup>
13 - up	5.19 x 10 <sup>-3</sup>	5.70 x 10 <sup>-3</sup>	5.70 x 10 <sup>-3</sup>	5.34 x 10 <sup>-3</sup>

## **EMISSION FACTOR**

TABLE 1.4-2. EMISSION FACTORS FOR CRITERIA POLLUTANTS AND GREENHOUSE GASES FROM NATURAL GAS COMBUSTION<sup>a</sup>

Pollutant	Emission Factor (lb/10 <sup>6</sup> scf)	Emission Factor Rating
CO <sub>2</sub> <sup>b</sup>	120,000	A
Lead	0.0005	D
N <sub>2</sub> O (Uncontrolled)	2.2	E
N <sub>2</sub> O (Controlled-low-NO <sub>x</sub> burner)	0.64	E
PM (Total) <sup>c</sup>	7.6	D
PM (Condensable) <sup>c</sup>	5.7	D
PM (Filterable) <sup>c</sup>	1.9	B
SO <sub>2</sub> <sup>d</sup>	0.6	A
TOC	11	B
Methane	2.3	B
VOC	5.5	C

<sup>a</sup> Reference 11. Units are in pounds of pollutant per million standard cubic feet of natural gas fired. Data are for all natural gas combustion sources. To convert from lb/10<sup>6</sup> scf to kg/10<sup>6</sup> m<sup>3</sup>, multiply by 16. To convert from lb/10<sup>6</sup> scf to lb/MMBtu, divide by 1,020. The emission factors in this table may be converted to other natural gas heating values by multiplying the given emission factor by the ratio of the specified heating value to this average heating value. TOC = Total Organic Compounds.

VOC = Volatile Organic Compounds.

<sup>b</sup> Based on approximately 100% conversion of fuel carbon to CO<sub>2</sub>. CO<sub>2</sub>[lb/10<sup>6</sup> scf] = (3.67) (CON) (C)(D), where CON = fractional conversion of fuel carbon to CO<sub>2</sub>, C = carbon content of fuel by weight (0.76), and D = density of fuel, 4.2x10<sup>4</sup> lb/10<sup>6</sup> scf.

<sup>c</sup> All PM (total, condensable, and filterable) is assumed to be less than 1.0 micrometer in diameter. Therefore, the PM emission factors presented here may be used to estimate PM<sub>10</sub>, PM<sub>2.5</sub> or PM<sub>1</sub> emissions. Total PM is the sum of the filterable PM and condensable PM. Condensable PM is the particulate matter collected using EPA Method 202 (or equivalent). Filterable PM is the particulate matter collected on, or prior to, the filter of an EPA Method 5 (or equivalent) sampling train.

<sup>d</sup> Based on 100% conversion of fuel sulfur to SO<sub>2</sub>.

Assumes sulfur content is natural gas of 2,000 grains/10<sup>6</sup> scf. The SO<sub>2</sub> emission factor in this table can be converted to other natural gas sulfur contents by multiplying the SO<sub>2</sub> emission factor by the ratio of the site-specific sulfur content (grains/10<sup>6</sup> scf) to 2,000 grains/10<sup>6</sup> scf.

GLEN ISLE MIXED-USE WATERFRONT DEVELOPMENT  
 EPM Intersection Screening Analysis  
 Nassau County  
 ETC, 2016

Trigger is 10%

Intersection	Build LOS			10% Decrease in Source-Receptor Distance?	Additional Queued Lanes?	No Build Volume			Build Volume			% Increase			Volume Threshold Screening			Build Volume (by approach)			
	AM	PM	SATMD			AM	PM	SATMD	AM	PM	SATMD	AM	PM	SATMD	Speed	Cruise EF	Queue EF	Threshold	AM	PM	SATMD
Glen Cove Ave/Brewster St and Pratt Blvd/Charles St	Westbound - L	C	D	C																	
	Westbound - R	B	B	B																	
	Northbound - L	B	C	B																	
	Northbound - R	B	C	B																	
	Southbound - L	C	C	C																	
Glen Cove Avenue and Charles Street	Eastbound - L	B	B	B																	
	Eastbound - R	A	A	A																	
	Westbound - L	A	A	A																	
	Westbound - R	A	A	A																	
	Southbound - L	A	A	A																	
Glen Cove Avenue and Morris Avenue	Eastbound - L	B	B	B																	
	Eastbound - R	A	A	A																	
	Westbound - L	A	A	A																	
	Westbound - R	A	A	A																	
	Southbound - L	A	A	A																	
Brewster Street and Herb Hill Road/Mill Hill Road	Eastbound - L	C	C	C																	
	Eastbound - R	B	B	B																	
	Westbound - L	B	B	B																	
	Westbound - R	A	A	A																	
	Southbound - L	A	A	A																	
Glen Cove Avenue and Shore Road	Eastbound - L	B	C	B																	
	Eastbound - R	A	A	A																	
	Westbound - L	A	A	A																	
	Westbound - R	A	A	A																	
	Southbound - L	A	A	A																	
Glen Cove Avenue and Sea Cliff Avenue	Eastbound - L	B	B	C																	
	Eastbound - R	B	B	B																	
	Westbound - L	C	B	C																	
	Westbound - R	A	A	A																	
	Southbound - L	A	A	A																	
Glen Cove Avenue and Glen Head Road	Eastbound - L	B	C	C																	
	Eastbound - R	B	B	B																	
	Westbound - L	B	B	B																	
	Westbound - R	D	F	F																	
	Southbound - L	B	B	B																	
Glen Cove Road/Route 107 Split	Northbound - T	B	C	B																	
	Southbound - L	F	F	D																	
	Southbound - R	A	A	A																	
	Westbound - L	D	D	B																	
	Westbound - R	D	D	B																	
Glen Cove Road and Glen Head Road	Eastbound - L	E	E	E																	
	Eastbound - R	F	A	F																	
	Westbound - L	F	A	F																	
	Westbound - R	F	C	F																	
	Southbound - L	C	E	F																	
Route 107 and Glen Head Road	Eastbound - LR	F	F	C																	
	Northbound - L	B	B	A																	
	Northbound - R	B	B	A																	
	Southbound - L	B	B	A																	
	Southbound - R	B	B	A																	
Glen Cove Avenue and Back Road	Westbound - L	B	B	B																	
	Westbound - R	A	A	A																	
	Northbound - L	A	A	A																	
	Northbound - R	A	A	A																	
	Southbound - L	D	C	C																	
Glen Cove Road and Back Road/Mary Lane	Eastbound - L	D	E	D																	
	Eastbound - R	D	E	D																	
	Westbound - L	D	E	D																	
	Westbound - R	D	E	D																	
	Southbound - L	C	D	C																	
Pratt Boulevard and Continental Place/Bridge St	Eastbound - L	A	D	D																	
	Eastbound - R	A	A	A																	
	Westbound - L	B	B	A																	
	Westbound - R	B	B	A																	
	Southbound - L	C	C	C																	
Brewster Street and School Street/Cottage Row	Eastbound - L	C	D	D																	
	Eastbound - R	A	A	A																	
	Westbound - L	B	C	C																	
	Westbound - R	B	C	C																	
	Southbound - L	B	D	C																	
Charles Street and Herb Hill Road	Eastbound - L	C	C	C																	
	Eastbound - R	A	A	A																	
	Westbound - L	C	D	C																	
	Westbound - R	B	B	B																	
	Southbound - L	C	C	C																	
Dickson St and Herb Hill Rd/Garvies Point Rd	Westbound - LR	F	F	F																	
	Northbound - L	A	A	A																	
	Northbound - R	A	A	A																	
	Southbound - L	A	A	A																	
	Southbound - R	A	A	A																	
Forest Avenue and Laitingtown Road/Ford Street	Eastbound - L	A	A	A																	
	Eastbound - R	A	A	A																	
	Westbound - L	A	A	A																	
	Westbound - R	B	C	B																	
	Southbound - L	B	C	B																	
Northern Boulevard (Route 25A) and Glen Cove Rd	Eastbound - L	E	F	F																	
	Eastbound - R	D	F	F																	
	Westbound - L	F	F	F																	
	Westbound - R	F	F	F																	
	Southbound - L	B	C	B																	
Driveway/White Lane and Bryant Avenue	Eastbound - L	B	B	B																	
	Eastbound - R	E	D	D																	
	Westbound - L	B	B	B																	
	Westbound - R	D	C	B																	
	Southbound - L	D	B	A																	

Notes:  
 Intersection LOS of D or worse triggers Capture Criteria Screening  
 Triggers volume threshold screening  
 No project specific veh. dist. EFA corresponding to NYSDOT veh dist for Region 10  
 No project specific speed limit provided. Used speed limit when known or assume 25 mph when no other info available  
 For the Volume Threshold Screening, cruise and queue EFs are taken from whichever EFA (by AM/PM/MIX) that has the highest EF for the applicable road.  
 Volume Threshold Screening threshold values were obtained from Table Sc of the EPM.

NYSDOT Environmental Procedures Manual, Chapter 1.1  
 Environmental Analysis Bureau  
 January, 2001

Table 3C. PEAK HOUR TRAFFIC VOLUME THRESHOLDS AT ANY APPROACH FOR SIGNALIZED INTERSECTIONS

		QUEUE EMISSION FACTOR (GRAMS/HOUR)																			
		100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290
	2.5	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	3405
	5.0	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	3930	3670	3333	3157	2769	2593	2272	2042
	7.5	4000	4000	4000	4000	4000	4000	3828	3742	3454	3298	3040	2900	2730	2570	2333	2182	1969	1893	1784	1642
	10.0	3800	3727	3481	3379	3202	3101	2878	2845	2654	2498	2390	2250	2111	1970	1933	1832	1637	1543	1484	1442
	12.5	3075	2927	2856	2679	2602	2501	2378	2279	2179	2048	2015	1850	1804	1720	1633	1557	1474	1418	1384	1329
	15.0	2562	2427	2381	2279	2202	2094	2028	1929	1841	1773	1740	1675	1604	1507	1483	1410	1361	1318	1309	1291
	17.5	2199	2142	2031	1979	1914	1869	1796	1729	1666	1623	1540	1500	1454	1407	1358	1310	1292	1280	1271	1253
	20.0	1927	1892	1815	1754	1689	1669	1621	1604	1528	1498	1415	1371	1354	1322	1292	1285	1254	1248	1221	1178
	22.5	1727	1710	1665	1613	1589	1556	1521	1454	1403	1373	1340	1296	1285	1272	1242	1216	1163	1148	1146	1084
	25.0	1627	1585	1542	1513	1454	1431	1396	1366	1328	1298	1283	1258	1210	1172	1167	1097	1063	1041	1039	1009
	27.5		1481	1429	1402	1354	1331	1296	1266	1228	1210	1183	1158	1110	1072	1067	1047	1000	953	951	934
	30.0			1329	1302	1279	1256	1211	1166	1153	1116	1083	1070	1060	997	979	972	921	903	876	865
	32.5				1202	1186	1181	1117	1116	1053	1041	1033	995	981	937	929	900	871	846	826	805
	35.0					1101	1081	1067	1016	1003	966	958	945	912	887	869	843	833	789	785	755
	37.5						1028	992	969	940	916	908	882	862	849	819	805	776	739	735	730
	40.0							942	908	886	866	851	838	810	797	794	755	738	721	710	686
	42.5								854	836	816	813	788	772	753	750	730	697	683	681	651
	45.0									798	778	763	750	734	715	709	680	672	658	643	626
	47.5										740	738	712	702	680	677	670	634	620	618	601
	50.0											700	687	670	655	645	638	609	595	593	582
F	52.5												662	645	630	620	607	584	570	568	557
R	55.0													620	608	595	582	577	551	543	538
E	57.5														583	579	557	555	538	524	513
E	60.0															557	544	531	513	511	497
	62.5																519	518	500	486	484
F	65.0																	493	490	486	459
L	67.5																		472	473	452
O	70.0																			455	452
W	72.5																				427
	75.0																				
E	77.5																				
M	80.0																				
I	82.5																				
S	85.0																				
S	87.5																				
I	90.0																				
O	92.5																				
N	95.0																				
	97.5																				
F	100.0																				
A	102.5																				
C	105.0																				
T	107.5																				
O	110.0																				
R	112.5																				
	115.0																				
	117.5																				
G	120.0																				
R	122.5																				
A	125.0																				
M	127.5																				
S	130.0																				
/	132.5																				
M	135.0																				
I	137.5																				
L	140.0																				
E	142.5																				
	145.0																				
	147.5																				
	150.0																				
	152.5																				
	155.0																				
	157.5																				
	160.0																				
	162.5																				
	165.0																				
	167.5																				
	170.0																				
	172.5																				
	175.0																				
	177.5																				
	180.0																				
	182.5																				
	185.0																				
	187.5																				
	190.0																				
	192.5																				
	195.0																				
	197.5																				
	200.0																				

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(Table 3c continued)

		QUEUE EMISSION FACTOR (GRAMS/HOUR)																				
		300	310	320	330	340	350	360	370	380	390	400	410	420	430	440	450	460	470	480	490	
	2.5	2777	2400	1983	1770	1607	1492	1421	1387	1334	1308	1294	1274	1266	1254	1243	1227	1199	1149	1131	1092	
	5.0	1777	1721	1533	1470	1419	1367	1333	1312	1290	1276	1269	1255	1247	1229	1193	1177	1136	1111	1081	1042	
	7.5	1477	1421	1383	1357	1344	1310	1289	1274	1265	1251	1244	1205	1172	1154	1118	1077	1036	1023	981	942	
	10.0	1377	1346	1333	1307	1294	1272	1260	1249	1227	1201	1181	1130	1097	1079	1018	995	962	923	831	817	
	12.5	1311	1308	1283	1263	1250	1234	1210	1174	1152	1101	1081	1030	997	929	893	871	865	823	781	767	
	15.0	1273	1258	1245	1231	1225	1184	1135	1111	1052	1001	943	939	922	854	818	802	765	729	706	692	
	17.5	1235	1208	1151	1131	1075	1059	1035	986	952	926	880	839	809	797	768	727	715	679	656	629	
	20.0	1153	1108	1063	1031	1000	959	935	929	852	851	823	789	759	722	705	702	665	629	606	607	
	22.5	1028	1026	1013	931	900	890	885	832	827	776	755	751	734	690	655	639	627	616	581	569	
	25.0	953	925	925	881	850	815	800	782	748	726	705	688	671	652	630	614	577	566	556	550	
	27.5	903	875	841	837	800	765	750	728	698	679	676	650	621	616	598	589	564	541	518	512	
	30.0	853	815	791	771	762	727	700	678	667	629	624	618	589	578	564	551	539	518	493	487	
	32.5	796	765	766	721	708	702	675	653	617	616	599	580	564	553	526	524	514	493	478	474	
	35.0	746	740	716	689	661	658	650	615	604	578	567	555	535	531	501	499	485	480	453	449	
	37.5	699	696	691	664	636	616	615	590	566	553	534	534	510	499	488	470	460	453	446	440	
	40.0	661	652	653	626	611	584	578	577	541	528	509	509	497	474	467	445	447	428	425	421	
	42.5	636	615	615	601	586	559	553	544	534	509	493	484	471	461	441	440	434	415	400	400	
	45.0	611	590	581	576	567	546	528	514	512	509	468	471	446	445	441	427	415	402	387	387	
	47.5	579	565	556	549	542	521	509	489	487	480	455	452	439	423	416	414	394	392	374	374	
	50.0	554	547	531	524	520	507	496	476	462	461	455	439	426	410	400	401	381	374	367	361	
F	52.5	529	522	524	505	495	488	471	469	449	440	436	426	407	398	387	381	374	361	354	354	
R	55.0	525	503	499	480	476	470	464	456	436	420	420	419	407	385	374	368	364	361	340	340	
E	57.5	506	490	480	467	455	451	451	440	423	407	402	400	382	372	364	355	348	342	327	325	
E	60.0	487	465	480	457	442	435	432	427	410	394	385	385	382	359	351	351	335	334	327	318	
	62.5	474	462	455	439	429	419	419	414	397	387	372	370	369	359	338	338	322	320	314	318	
F	65.0	455	449	444	426	416	403	403	401	390	380	372	357	354	346	331	328	322	313	307	305	
L	67.5	439	430	431	426	406	390	388	385	377	367	347	357	342	342	331	328	315	300	297	297	
O	70.0	426	420	418	401	393	390	375	374	370	360	347	344	330	329	318	315	302	296	287	286	
W	72.5	413	407	405	394	379	377	375	361	360	353	340	337	323	319	314	315	298	289	287	279	
	75.0	400	394	392	387	379	367	362	349	347	340	327	337	323	308	307	306	298	282	274	279	
E	77.5		383	379	374	366	354	355	342	337	333	320	324	310	298	297	297	285	275	267	266	
M	80.0			370	361	353	344	343	342	327	326	318	314	304	291	289	287	285	271	263	260	
I	82.5				357	349	334	333	329	317	316	311	310	297	291	280	280	278	271	256	256	
S	85.0					342	334	325	322	309	306	304	303	297	278	272	272	271	258	249	249	
S	87.5						321	325	314	309	299	294	290	284	278	265	264	264	258	245	242	
I	90.0							312	305	296	291	290	286	280	272	265	260	257	251	245	239	
O	92.5								297	296	283	281	282	276	272	252	260	250	247	245	239	
N	95.0										283	276	274	275	269	259	252	247	243	243	232	232
	97.5											269	267	266	262	259	245	247	237	236	232	232
F	100.0												262	261	258	252	244	240	233	230	225	225
A	102.5													254	252	248	240	238	233	224	223	221
C	105.0														248	244	240	238	226	220	219	217
T	107.5															237	227	231	226	214	213	210
O	110.0																227	224	213	210	209	210
R	112.5																	224	213	206	204	204
	115.0																		212	206	201	200
	117.5																			206	196	196
G	120.0																				192	192
R	122.5																					188
A	125.0																					
M	127.5																					
S	130.0																					
/	132.5																					
M	135.0																					
I	137.5																					
L	140.0																					
E	142.5																					
	145.0																					
	147.5																					
	150.0																					
	152.5																					
	155.0																					
	157.5																					
	160.0																					
	162.5																					
	165.0																					
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	177.5																					
	180.0																					
	182.5																					
	185.0																					
	187.5																					
	190.0																					
	192.5																					
	195.0																					
	197.5																					
	200.0																					



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(Table 3c continued)

		QUEUE EMISSION FACTOR (GRAMS/HOUR)																				
		700	710	720	730	740	750	760	770	780	790	800	810	820	830	840	850	860	870	880	890	900
	2.5	242	236	230	228	223	218	216	210	206	205	201	200	196	195	191	189	187	185	182	179	164
	5.0	242	236	230	228	223	218	216	210	206	205	201	200	196	195	191	189	187	178	175	166	151
	7.5	238	232	226	221	216	214	209	206	202	201	197	196	192	191	189	187	180	165	162	153	146
	10.0	229	225	222	219	214	210	207	206	202	201	197	196	192	191	189	187	167	158	155	153	139
	12.5	229	223	219	217	212	208	207	202	198	197	195	192	188	184	182	177	167	158	155	140	137
	15.0	229	223	219	217	212	208	207	202	198	197	195	192	188	184	182	177	154	151	148	140	137
	17.5	225	223	219	217	212	208	207	202	198	197	195	192	188	184	182	177	154	151	148	133	130
	20.0	225	223	219	210	208	204	200	198	196	195	195	186	184	171	169	165	154	151	148	133	130
	22.5	225	223	219	210	208	204	200	198	196	195	188	179	171	165	165	158	147	147	141	133	130
	25.0	225	223	219	210	208	204	200	198	196	195	181	179	171	152	152	149	147	140	134	132	130
	27.5	225	223	219	210	208	204	200	198	189	188	181	172	164	152	152	136	137	135	134	128	123
	30.0	217	216	212	208	207	204	200	185	182	175	174	165	157	149	145	136	137	126	127	124	123
	32.5	213	210	208	204	203	200	198	185	175	175	167	158	150	149	141	136	137	126	127	117	115
	35.0	213	209	206	202	199	197	191	185	175	175	160	151	146	147	141	132	130	126	127	117	115
	37.5	213	209	206	202	199	197	191	178	175	168	160	147	146	140	134	132	126	124	120	117	115
	40.0	213	209	206	202	192	192	191	178	165	161	160	147	139	136	130	129	126	124	116	115	115
	42.5	213	209	206	191	185	185	181	171	165	157	153	147	139	132	129	129	122	120	116	113	111
	45.0	213	209	199	191	178	178	171	171	165	157	146	140	139	132	129	122	122	117	115	113	111
	47.5	213	205	199	191	174	172	171	161	155	157	146	140	135	132	129	120	116	117	115	113	109
	50.0	199	198	192	178	174	172	158	155	153	150	146	136	133	128	129	120	116	117	111	110	109
F	52.5	199	191	185	178	174	172	156	155	146	143	139	136	133	126	122	120	116	117	111	106	105
R	55.0	186	191	180	174	167	172	156	148	141	139	139	136	133	122	120	120	116	117	111	106	105
E	57.5	186	184	173	170	167	162	156	142	141	139	134	132	133	122	119	116	115	113	111	106	105
E	60.0	182	180	173	164	161	158	156	142	141	132	129	128	126	122	119	116	115	111	111	106	105
	62.5	175	173	166	160	157	158	149	142	134	128	129	124	123	122	119	116	115	111	107	106	105
F	65.0	171	169	166	160	150	151	145	142	134	126	125	124	123	118	118	116	115	111	107	104	102
L	67.5	165	165	162	153	148	144	143	135	134	126	125	120	116	116	114	114	111	111	107	104	101
O	70.0	159	159	155	153	148	144	139	135	134	126	125	118	116	116	111	110	110	107	107	104	101
W	72.5	155	155	151	149	148	144	135	133	130	126	125	118	114	112	111	107	106	106	105	104	101
	75.0	155	155	149	145	143	137	132	132	128	126	125	118	114	110	109	107	105	104	103	102	101
E	77.5	155	155	144	141	143	137	130	128	126	124	118	118	114	110	109	107	105	104	103	100	99
M	80.0	148	142	139	138	136	134	130	128	123	122	118	118	114	110	109	107	105	102	101	100	97
I	82.5	147	142	139	135	135	132	130	128	123	118	117	114	114	110	109	107	105	102	99	98	97
S	85.0	147	142	139	135	131	128	128	121	123	116	115	113	112	110	109	107	105	102	99	96	95
S	87.5	143	140	132	135	127	126	124	121	123	115	113	113	111	110	109	107	105	102	99	96	95
I	90.0	143	136	132	128	124	124	120	119	116	115	113	111	110	108	107	105	105	102	99	96	95
O	92.5	143	136	130	128	122	121	120	119	116	115	113	111	108	106	107	104	103	102	99	96	95
N	95.0	136	129	128	124	122	121	117	117	114	114	113	111	108	105	104	102	101	100	99	96	95
	97.5	136	129	128	124	122	121	117	114	112	112	111	109	108	105	102	101	101	99	98	96	95
F	100.0	136	127	125	122	121	121	117	112	111	110	109	107	106	105	102	101	99	99	97	96	95
A	102.5	132	127	125	122	121	117	117	112	109	108	107	107	105	103	102	101	97	96	96	94	93
C	105.0	130	127	125	119	117	115	113	112	109	106	106	105	105	102	102	101	97	95	95	94	93
T	107.5	129	127	125	119	115	115	112	112	109	104	103	103	101	100	99	99	97	95	95	92	91
O	110.0	127	125	125	119	114	111	111	108	109	104	101	101	101	100	99	98	97	95	95	92	91
R	112.5	123	123	118	119	112	111	111	107	105	104	101	99	99	98	97	96	95	95	95	91	90
	115.0	123	121	118	119	112	109	107	107	105	104	101	99	99	97	97	95	94	93	92	91	89
	117.5	121	119	117	115	112	109	106	106	103	103	101	99	99	97	95	95	93	93	92	91	89
G	120.0	119	117	117	115	112	109	105	105	103	103	101	99	99	97	95	95	93	93	91	90	89
R	122.5	116	115	113	112	112	109	105	105	103	102	101	99	98	97	95	95	93	90	91	89	88
A	125.0	115	114	112	111	110	109	105	105	103	101	100	99	97	96	95	95	93	90	88	89	87
M	127.5	115	112	111	109	109	108	105	105	103	101	99	98	97	95	94	92	93	90	88	86	87
S	130.0	115	112	111	109	108	107	105	105	103	101	99	97	96	95	93	92	93	90	88	86	87
/	132.5	115	112	111	107	106	105	105	104	103	101	99	97	95	94	93	91	90	90	88	86	87
M	135.0	115	112	111	107	106	105	103	103	101	101	99	97	95	93	93	91	89	89	88	86	87
I	137.5	113	112	111	107	103	103	101	101	100	99	99	97	95	93	91	91	89	89	87	86	87
L	140.0	113	110	111	107	103	102	101	100	99	99	99	97	95	93	91	89	89	89	87	86	84
E	142.5	113	109	107	107	103	101	99	99	98	97	97	97	95	93	91	89	87	86	87	85	84
	145.0	113	109	107	107	103	101	98	98	97	97	95	94	95	93	91	89	87	86	86	85	84
	147.5	109	109	105	103	103	101	97	96	96	95	95	93	92	93	91	89	87	85	85	84	83
	150.0	109	109	105	103	103	101	97	95	94	95	93	93	92	90	91	89	87	85	85	83	83
	152.5	108	105	105	101	101	101	97	95	93	92	93	91	91	90	90	89	87	85	85	83	82
	155.0	107	105	105	101	100	99	97	95	93	92	91	91	90	89	89	87	85	85	83	81	81
	157.5	107	104	103	101	99	98	97	95	93	91	90	90	89	89	89	87	85	85	83	81	81
	160.0	105	103	103	101	99	97	97	95	93	91	89	89	89	87	87	86	85	85	83	81	81
	162.5	104	103	101	101	99	97	95	95	93	91	89	89	87	87	87	86	85	85	85	83	81
	165.0	103	101	101	99	99	97	95	94	93	91	89	89	87	86	86	85	85	84	84	83	81
	167.5	1																				

**Table 3.5-2  
Existing Traffic Conditions Level-of-Service (LOS) Analysis Results**

Intersection	Approach	Movement	Weekday AM Peak Hour		Weekday PM Peak Hour		Saturday Midday Peak Hour	
			Delay	LOS	Delay	LOS	Delay	LOS
Lattingtown Road & Forest Avenue	EB	L	3.2	A	4.0	A	3.5	A
		TR	3.3	A	3.1	A	3.1	A
	WB	LTR	6.7	A	7.7	A	7.5	A
	NB	LTR	16.0	B	18.6	B	17.4	B
	SB	LT	15.8	B	19.8	B	18.0	B
<b>Overall</b>			<b>4.0</b>	<b>A</b>	<b>5.0</b>	<b>A</b>	<b>4.7</b>	<b>A</b>
Brewster Street & Herb Hill Road/ Mill Hill Road/Shopping Center	EB	L	30.3	C	27.0	C	27.6	C
		TR	13.9	B	18.0	B	16.4	B
	WB	LTR	22.0	C	25.0	C	27.3	C
	NB	L	5.4	A	17.5	B	8.0	A
		TR	2.9	A	4.7	A	4.2	A
	SB	L	2.4	A	3.7	A	3.2	A
	TR	2.5	A	3.9	A	2.8	A	
<b>Overall</b>			<b>4.3</b>	<b>A</b>	<b>7.6</b>	<b>A</b>	<b>5.7</b>	<b>A</b>
Brewster St/Glen Cove Ave & WB Charles St/ Pratt Boulevard	WB	L	32.0	C	33.1	C	33.8	C
		T	29.0	C	29.9	C	28.7	C
		R	10.0	B	12.2	B	10.0	A
	NB	L	8.8	A	9.6	A	9.4	A
		T	23.0	C	25.1	C	26.0	C
		R	9.9	A	9.0	A	8.9	A
	SB	L	26.3	C	26.7	C	27.2	C
TR		11.9	B	13.7	B	13.1	B	
<b>Overall</b>			<b>19.0</b>	<b>B</b>	<b>20.0</b>	<b>C</b>	<b>20.0</b>	<b>C</b>
Glen Cove Ave & Charles Street	EB	L	14.1	B	13.5	B	13.3	B
		T	11.7	B	12.1	B	11.2	B
		R	5.7	A	7.2	A	8.8	A
	WB	LR	9.3	A	8.8	A	7.6	A
	NB	TR	5.4	A	6.1	A	5.9	A
	SB	L	5.7	A	7.0	A	6.2	A
	TR	5.4	A	5.3	A	6.0	A	
<b>Overall</b>			<b>6.2</b>	<b>A</b>	<b>6.3</b>	<b>A</b>	<b>6.5</b>	<b>A</b>
Glen Cove Ave & Sea Cliff Ave	EB	L	14.7	B	15.7	B	17.8	B
		TR	13.8	B	14.4	B	11.1	B
	WB	L	17.9	B	19.1	B	20.2	C
		TR	7.4	A	8.0	A	14.5	B
	NB	LTR	5.8	A	6.9	A	7.6	A
	SB	LTR	8.9	A	10.0	B	11.1	B
<b>Overall</b>			<b>9.2</b>	<b>A</b>	<b>10.0</b>	<b>B</b>	<b>11.2</b>	<b>B</b>
Bridge Street/ Continental Pl & Pratt Blvd	EB	L	6.2	A	10.5	B	10.0	A
		TR	5.9	A	6.8	A	5.3	A
	WB	LTR	5.8	A	7.7	A	5.8	A
	NB	L	14.9	B	16.1	B	17.1	B
		TR	11.3	B	10.0	A	10.8	B
	SB	L	19.9	B	22.7	C	20.5	C
	TR	10.9	B	7.5	A	8.1	A	
<b>Overall</b>			<b>7.4</b>	<b>A</b>	<b>8.8</b>	<b>A</b>	<b>7.3</b>	<b>A</b>
Glen Cove Road & Glen Head Road	EB	L	56.4	E	59.8	E	60.9	E
		T	86.1	F	57.5	E	56.9	E
	WB	LTR	87.5	F	61.4	E	95.9	F
	NB	L	73.7	E	71.3	E	192.1	F
		TR	22.2	C	38.8	D	25.5	C
	SB	L	21.2	C	49.2	D	24.8	C
	TR	28.4	C	43.6	D	55.9	E	
<b>Overall</b>			<b>39.0</b>	<b>D</b>	<b>45.8</b>	<b>D</b>	<b>53.5</b>	<b>D</b>
Glen Cove Road & Northern Blvd	EB	L	70.0	E	76.4	E	72.5	E
		TR	44.6	D	80.5	F	66.6	E
	WB	L	71.0	E	72.3	E	156.0	F
		TR	106.7	F	53.1	D	146.8	F
	NB	L	79.3	E	86.2	F	240.5	F
		T	33.8	C	59.2	E	41.5	D
		R	17.3	B	20.9	C	16.5	B
	SB	L	84.7	F	111.0	F	59.0	E
		T	65.8	E	149.7	F	41.9	D
R		24.0	C	29.4	C	17.6	B	
<b>Overall</b>			<b>62.2</b>	<b>E</b>	<b>77.5</b>	<b>E</b>	<b>88.1</b>	<b>F</b>

TABLE 3.5-2 (continued)

Intersection	Approach	Movement	Weekday AM Peak Hour		Weekday PM Peak Hour		Saturday Midday Peak Hour	
			Delay	LOS	Delay	LOS	Delay	LOS
Glen Cove Avenue & Morris Avenue	EB	L	12.4	B	12.4	B	11.9	B
		R	5.0	A	5.2	A	6.1	A
	NB	L	6.7	A	5.4	A	4.5	A
		T	4.3	A	4.7	A	3.6	A
	SB	TR	4.8	A	4.8	A	4.0	A
<b>Overall</b>			<b>5.1</b>	<b>A</b>	<b>5.2</b>	<b>A</b>	<b>4.0</b>	<b>A</b>
Brewster Street & Cottage Row/School Street	EB	LT	35.5	D	41.0	C	39.8	C
		R	0.3	A	0.2	A	0.2	A
	WB	LT	20.6	C	24.4	C	26.5	C
		R	23.5	C	32.7	C	33.6	C
	NB	L	9.1	A	20.1	C	10.1	B
		TR	15.9	B	20.4	C	20.0	C
	SB	L	11.7	B	29.8	C	23.7	C
TR		16.7	B	19.7	B	16.5	B	
<b>Overall</b>			<b>17.0</b>	<b>B</b>	<b>22.8</b>	<b>C</b>	<b>21.2</b>	<b>C</b>
Glen Cove Rd at NY 107 Divide	NB	T	16.7	B	20.2	C	15.4	B
		L	107.1	F	71.0	E	38.6	D
	SB	T	0.4	A	0.3	A	0.4	A
<b>Overall</b>			<b>26.8</b>	<b>C</b>	<b>21.8</b>	<b>C</b>	<b>11.1</b>	<b>B</b>
Herb Hill Road & Charles Street	EB	LT	27.6	C	26.1	C	25.2	C
		R	0.0	A	0.1	A	0.0	A
	WB	LTR	23.2	C	22.6	C	22.7	C
		L	13.0	B	11.6	B	9.5	A
	NB	T	12.9	B	11.8	B	9.5	A
		R	12.0	B	9.0	A	7.7	A
	SB	L	17.2	B	17.4	B	16.0	B
		TR	22.9	C	22.3	C	20.2	C
<b>Overall</b>			<b>17.8</b>	<b>B</b>	<b>15.4</b>	<b>B</b>	<b>14.7</b>	<b>B</b>
Glen Cove Avenue & Shore Road	EB	L	15.3	B	17.2	B	15.7	B
		R	4.8	A	4.0	A	3.8	A
	NB	L	7.7	A	13.1	B	10.9	B
		T	6.7	A	10.9	B	8.7	A
SB	TR	5.4	A	11.2	B	8.4	A	
<b>Overall</b>			<b>7.3</b>	<b>A</b>	<b>12.3</b>	<b>B</b>	<b>9.7</b>	<b>A</b>
Glen Cove Road & Mary Lane/Back Road	EB	LT	53.4	D	73.5	E	54.1	D
		R	4.0	A	3.3	A	3.8	A
	WB	LTR	44.6	D	41.8	D	49.5	D
		L	58.2	E	59.8	E	53.3	D
	NB	TR	7.0	A	13.5	B	6.0	A
		L	23.2	C	36.9	D	23.4	C
	SB	T	31.9	C	38.3	D	24.7	C
R		4.7	A	3.9	A	3.1	A	
<b>Overall</b>			<b>23.0</b>	<b>C</b>	<b>27.5</b>	<b>C</b>	<b>19.0</b>	<b>B</b>
Glen Cove Avenue & Back Road	WB	L	11.3	B	12.1	B	10.5	B
		R	7.0	A	7.4	A	7.4	A
	NB	T	8.9	A	9.7	A	8.9	A
		R	6.5	A	6.9	A	6.6	A
SB	LT	17.5	C	14.1	B	14.5	B	
<b>Overall</b>			<b>12.7</b>	<b>B</b>	<b>10.5</b>	<b>B</b>	<b>10.7</b>	<b>B</b>
Glen Cove Avenue & Glen Head Road	EB	LTR	17.8	B	21.3	C	23.5	C
		LTR	25.3	C	26.6	C	33.3	C
	NB	L	10.5	B	10.1	B	10.9	B
		TR	11.0	B	13.1	B	12.9	B
	SB	L	28.8	C	42.3	D	51.2	D
TR		14.4	B	13.3	B	13.3	B	
<b>Overall</b>			<b>19.0</b>	<b>B</b>	<b>20.8</b>	<b>C</b>	<b>24.1</b>	<b>C</b>
NY 107 & Glen Head Road	EB	LR	37.8	E	30.5	D	14.6	B
	NB	L	11.1	B	10.1	B	8.8	A
Herb Hill Road & Dickson Street	WB	LR	9.7	A	9.0	A	9.0	A
	SB	LT	7.0	A	6.3	A	6.2	A

**Table 3.5-3  
Future No-Action Level-of-Service (LOS) Analysis Results**

Intersection	Approach	Movement	Weekday AM Peak Hour		Weekday PM Peak Hour		Saturday Midday Peak Hour	
			Delay	LOS	Delay	LOS	Delay	LOS
Lattingtown Road & Forest Avenue	EB	L	3.3	A	4.3	A	3.6	A
		TR	3.4	A	3.1	A	3.1	A
	WB	LTR	6.8	A	7.8	A	7.5	A
	NB	LTR	16.1	B	19.6	B	18.1	B
	SB	LT	15.8	B	20.8	C	18.6	B
<b>Overall</b>			<b>4.1</b>	<b>A</b>	<b>5.1</b>	<b>A</b>	<b>4.7</b>	<b>A</b>
Brewster Street & Herb Hill Road/ Mill Hill Road/Shopping Center	EB	L	29.7	C	28.9	C	27.1	C
		TR	11.5	B	16.1	B	15.2	B
	WB	LTR	18.6	B	20.0	B	22.8	C
	NB	L	3.8	A	16.1	B	7.7	A
		TR	3.0	A	5.1	A	5.0	A
	SB	L	2.6	A	4.8	A	3.8	A
	TR	2.6	A	5.2	A	3.9	A	
<b>Overall</b>			<b>4.0</b>	<b>A</b>	<b>8.1</b>	<b>A</b>	<b>6.4</b>	<b>A</b>
Brewster St/Glen Cove Ave & WB Charles St/ Pratt Boulevard	WB	L	31.1	C	34.6	C	34.4	C
		T	28.9	C	31.5	C	29.7	C
		R	10.7	B	13.3	B	11.0	B
	NB	L	9.2	A	9.7	A	9.8	A
		T	23.2	C	25.1	C	25.7	C
		R	10.7	B	10.3	B	10.2	B
	SB	L	26.0	C	26.3	C	27.3	C
		TR	13.4	B	14.8	B	14.6	B
<b>Overall</b>			<b>19.1</b>	<b>B</b>	<b>20.6</b>	<b>C</b>	<b>20.4</b>	<b>C</b>
Glen Cove Ave & Charles Street	EB	L	12.4	B	12.9	B	11.7	B
		T	11.1	B	12.1	B	10.5	B
		R	5.2	A	8.2	A	7.9	A
	WB	LR	7.4	A	7.8	A	6.3	A
	NB	TR	6.0	A	7.5	A	6.8	A
	SB	L	6.2	A	9.0	A	7.4	A
		TR	5.7	A	6.5	A	6.8	A
<b>Overall</b>			<b>6.2</b>	<b>A</b>	<b>7.5</b>	<b>A</b>	<b>7.1</b>	<b>A</b>
Glen Cove Ave & Sea Cliff Ave	EB	L	16.0	B	16.7	B	19.5	B
		TR	15.0	B	15.3	B	12.6	B
	WB	L	19.8	B	20.6	C	22.3	C
		TR	8.0	A	8.3	A	16.1	B
	NB	LTR	6.0	A	7.6	A	8.4	A
	SB	LTR	10.5	B	11.5	B	14.7	B
<b>Overall</b>			<b>10.3</b>	<b>B</b>	<b>10.9</b>	<b>B</b>	<b>13.3</b>	<b>B</b>
Bridge Street/ Continental Pl & Pratt Blvd	EB	L	6.5	A	13.2	B	11.9	B
		TR	6.1	A	7.5	A	5.4	A
	WB	LTR	6.1	A	8.8	A	6.0	A
	NB	L	16.0	B	16.8	B	17.9	B
		TR	11.0	B	10.0	A	10.2	B
	SB	L	18.4	B	20.7	C	19.4	B
		TR	10.6	B	6.9	A	7.0	A
<b>Overall</b>			<b>7.5</b>	<b>A</b>	<b>9.3</b>	<b>A</b>	<b>7.3</b>	<b>A</b>
Glen Cove Road & Glen Head Road	EB	L	60.5	E	64.5	E	62.4	E
		T	107.8	F	61.6	E	58.5	E
	WB	LTR	107.4	F	70.0	E	109.0	F
	NB	L	86.8	F	114.4	F	247.2	F
		TR	22.6	C	43.9	D	26.7	C
	SB	L	24.8	C	55.8	E	27.2	C
	TR	30.9	C	53.7	D	75.3	E	
<b>Overall</b>			<b>44.2</b>	<b>C</b>	<b>53.5</b>	<b>D</b>	<b>65.5</b>	<b>E</b>
Glen Cove Road & Northern Blvd	EB	L	72.0	E	81.0	F	80.4	F
		TR	45.9	D	101.1	F	77.8	E
	WB	L	72.9	E	74.5	E	214.2	F
		TR	134.1	F	56.6	E	191.7	F
	NB	L	81.7	F	90.5	F	269.1	F
		T	34.5	D	72.6	E	43.2	D
		R	17.5	B	21.0	C	16.8	B
	SB	L	85.7	F	114.9	F	59.3	E
		T	86.1	F	182.8	F	43.1	D
R		24.3	C	29.7	C	17.3	B	
<b>Overall</b>			<b>73.0</b>	<b>E</b>	<b>90.7</b>	<b>F</b>	<b>107.2</b>	<b>F</b>

TABLE 3.5-3 (continued)

Intersection	Approach	Movement	Weekday AM Peak Hour		Weekday PM Peak Hour		Saturday Midday Peak Hour	
			Delay	LOS	Delay	LOS	Delay	LOS
Glen Cove Avenue & Morris Avenue	EB	L	12.4	B	12.5	B	1.9	B
		R	5.0	A	5.1	A	6.1	A
	NB	L	7.4	A	5.6	A	4.7	A
		T	4.6	A	4.9	A	3.8	A
	SB	TR	5.0	A	5.1	A	4.2	A
<b>Overall</b>			<b>5.3</b>	<b>A</b>	<b>5.4</b>	<b>A</b>	<b>4.2</b>	<b>A</b>
Brewster Street & Cottage Row/School Street	EB	LT	31.4	C	43.2	D	38.6	D
		R	0.3	A	0.2	A	0.2	A
	WB	LT	18.7	B	23.1	C	24.3	C
		R	20.9	C	28.8	C	27.5	C
	NB	L	10.2	B	21.6	C	11.7	B
		TR	18.1	A	23.6	C	22.8	C
	SB	L	13.9	B	43.0	D	39.2	D
TR		19.4	B	23.4	C	20.0	B	
<b>Overall</b>			<b>17.9</b>	<b>B</b>	<b>25.5</b>	<b>C</b>	<b>23.5</b>	<b>C</b>
Glen Cove Rd at NY 107 Divide	NB	T	17.4	B	21.9	C	16.3	B
		L	138.5	F	86.6	F	40.9	D
	SB	T	0.5	A	0.3	A	0.5	A
<b>Overall</b>			<b>33.4</b>	<b>C</b>	<b>25.4</b>	<b>C</b>	<b>11.8</b>	<b>B</b>
Herb Hill Road & Charles Street	EB	LT	27.7	C	27.5	C	26.8	C
		R	0.1	A	0.2	A	0.1	A
	WB	LTR	26.2	C	24.4	C	25.3	C
	NB	L	16.4	B	15.4	B	14.1	B
		T	15.8	B	16.6	B	14.2	B
	SB	R	13.0	B	10.7	B	10.0	A
		L	18.4	B	18.9	B	18.2	B
TR	23.0	C	23.7	C	21.6	C		
<b>Overall</b>			<b>18.9</b>	<b>B</b>	<b>16.1</b>	<b>B</b>	<b>17.0</b>	<b>B</b>
Glen Cove Avenue & Shore Road	EB	L	13.7	B	20.3	C	14.8	B
		R	4.3	A	4.2	A	3.6	A
	NB	L	8.5	A	12.4	B	11.1	B
		T	7.7	A	10.5	B	9.0	A
SB	TR	6.1	A	10.7	B	8.6	A	
<b>Overall</b>			<b>7.8</b>	<b>A</b>	<b>12.5</b>	<b>B</b>	<b>9.7</b>	<b>B</b>
Glen Cove Road & Mary Lane/Back Road	EB	LT	46.5	D	68.2	E	46.9	D
		R	3.5	A	3.3	A	3.4	A
	WB	LTR	43.9	D	40.8	D	49.2	D
	NB	L	52.1	D	68.4	E	48.9	D
		TR	7.5	A	15.0	B	6.4	A
	SB	L	24.0	C	37.0	D	26.1	C
		T	36.4	D	41.4	D	28.8	C
R	5.0	A	4.3	A	3.4	A		
<b>Overall</b>			<b>24.2</b>	<b>C</b>	<b>29.8</b>	<b>C</b>	<b>19.8</b>	<b>B</b>
Glen Cove Avenue & Back Road	WB	L	11.9	B	12.8	B	10.9	B
		R	7.0	A	7.6	A	7.6	A
	NB	T	9.1	A	10.0	B	9.1	A
		R	6.6	A	7.0	A	6.6	A
SB	LT	21.2	C	15.5	C	16.2	B	
<b>Overall</b>			<b>14.6</b>	<b>B</b>	<b>11.1</b>	<b>B</b>	<b>11.4</b>	<b>B</b>
Glen Cove Avenue & Glen Head Road	EB	LTR	18.1	B	23.1	C	25.7	C
	WB	LTR	24.1	C	30.1	C	38.5	D
	NB	L	10.8	B	10.3	B	11.2	B
		TR	11.2	B	14.0	B	13.9	B
	SB	L	30.4	C	68.6	E	98.9	F
TR		14.8	B	13.8	B	13.9	B	
<b>Overall</b>			<b>19.1</b>	<b>B</b>	<b>24.9</b>	<b>C</b>	<b>31.5</b>	<b>C</b>
NY 107 & Glen Head Road	EB	LR	54.3	F	39.7	E	15.8	C
	NB	L	11.7	B	10.5	B	9.0	A
Herb Hill Road & Dickson Street	WB	LR	12.1	B	10.3	B	10.1	A
	SB	LT	5.4	A	6.4	A	4.8	A

**Table 3.5-5  
Proposed Action Level-of-Service (LOS) Analysis Results**

Intersection	Approach	Movement	Weekday AM Peak Hour		Weekday PM Peak Hour		Saturday Midday Peak Hour	
			Delay	LOS	Delay	LOS	Delay	LOS
Lattingtown Road & Forest Avenue	EB	L	3.3	A	5.3	A	3.6	A
		TR	3.5	A	4.1	A	3.2	A
	WB	LTR	6.9	A	9.4	A	7.6	A
	NB	LTR	16.1	B	20.6	C	18.7	B
	SB	LT	15.8	B	21.8	C	19.3	B
<b>Overall</b>			<b>4.2</b>	<b>A</b>	<b>6.2</b>	<b>A</b>	<b>4.8</b>	<b>A</b>
Brewster Street & Herb Hill Road/ Mill Hill Road/Shopping Center	EB	L	31.4	C	30.6	C	29.4	C
		TR	11.4	B	15.3	B	15.2	B
	WB	LTR	18.5	B	19.1	B	22.8	C
	NB	L	3.9	A	16.5	B	8.1	A
		TR	3.0	A	5.7	A	5.0	A
	SB	L	2.5	A	5.3	A	3.7	A
	TR	2.7	A	7.1	A	4.5	A	
<b>Overall</b>			<b>4.5</b>	<b>A</b>	<b>9.5</b>	<b>A</b>	<b>6.8</b>	<b>A</b>
Brewster St/Glen Cove Ave & WB Charles St/ Pratt Boulevard	WB	L	31.2	C	38.1	D	34.7	C
		T	32.3	C	58.8	E	46.5	D
		R	12.1	B	17.0	B	13.4	B
	NB	L	10.5	B	12.9	B	12.6	B
		T	24.1	C	27.3	C	26.4	C
		R	17.0	B	21.6	C	19.2	B
	SB	L	26.6	C	25.3	C	27.6	C
TR		14.7	B	15.6	B	16.3	B	
<b>Overall</b>			<b>20.4</b>	<b>C</b>	<b>26.0</b>	<b>C</b>	<b>23.7</b>	<b>C</b>
Glen Cove Ave & Charles Street	EB	L	13.3	B	16.2	B	14.3	B
		T	10.3	B	12.9	B	10.9	B
		R	7.0	A	11.5	B	10.5	B
	WB	LR	7.0	A	8.6	A	6.3	A
	NB	TR	9.2	A	11.9	A	10.3	B
	SB	L	9.1	A	14.8	B	10.7	B
	TR	8.6	A	9.6	A	9.6	A	
<b>Overall</b>			<b>9.0</b>	<b>A</b>	<b>11.4</b>	<b>B</b>	<b>10.3</b>	<b>B</b>
Glen Cove Ave & Sea Cliff Ave	EB	L	17.0	B	17.8	B	20.3	C
		TR	15.8	B	16.3	B	13.1	B
	WB	L	21.0	C	22.0	C	23.7	C
		TR	8.5	A	8.8	A	17.2	B
	NB	LTR	6.2	A	8.1	A	8.9	A
	SB	LTR	11.5	B	13.7	B	17.2	B
<b>Overall</b>			<b>10.9</b>	<b>B</b>	<b>12.0</b>	<b>B</b>	<b>14.6</b>	<b>B</b>
Bridge Street/ Continental Pl & Pratt Blvd	EB	L	7.7	A	43.3	D	49.1	D
		TR	6.7	A	8.4	A	6.2	A
	WB	LTR	6.5	A	12.4	B	7.9	A
		L	18.1	B	19.4	B	20.3	C
	NB	TR	12.5	B	10.6	B	11.1	B
		L	21.3	C	24.5	C	23.0	C
SB	TR	11.4	B	15.0	B	14.1	B	
<b>Overall</b>			<b>8.0</b>	<b>A</b>	<b>13.0</b>	<b>B</b>	<b>11.1</b>	<b>B</b>
Glen Cove Road & Glen Head Road	EB	L	63.0	E	64.5	E	62.4	E
		T	117.8	F	61.6	E	58.5	E
	WB	LTR	117.6	F	70.0	E	109.0	F
	NB	L	86.7	F	114.4	F	247.2	F
		TR	23.8	C	56.9	E	30.3	C
	SB	L	34.5	C	55.8	E	46.4	D
	TR	37.3	D	85.0	F	119.9	F	
<b>Overall</b>			<b>48.2</b>	<b>D</b>	<b>70.1</b>	<b>E</b>	<b>86.0</b>	<b>F</b>
Glen Cove Road & Northern Blvd	EB	L	78.8	E	110.1	F	114.9	F
		TR	45.9	D	101.1	F	77.8	E
	WB	L	72.9	E	74.5	E	244.2	F
		TR	138.9	F	57.6	E	203.1	F
	NB	L	81.7	F	90.5	F	269.1	F
		T	35.9	D	106.0	F	49.1	D
		R	17.5	B	21.0	C	16.8	B
	SB	L	85.7	F	114.9	F	59.3	E
		T	115.0	F	241.7	F	47.0	D
R		24.8	C	30.3	C	17.6	B	
<b>Overall</b>			<b>80.2</b>	<b>F</b>	<b>109.3</b>	<b>F</b>	<b>113.7</b>	<b>F</b>

TABLE 3.5-5 (continued)

Intersection	Approach	Movement	Weekday AM Peak Hour		Weekday PM Peak Hour		Saturday Midday Peak Hour	
			Delay	LOS	Delay	LOS	Delay	LOS
Glen Cove Avenue & Morris Avenue	EB	L	12.8	B	12.7	B	11.9	B
		R	5.2	A	5.3	A	6.1	A
	NB	L	8.3	A	5.8	A	5.2	A
		T	4.6	A	5.1	A	4.0	A
	SB	TR	5.2	A	5.3	A	4.4	A
<b>Overall</b>			<b>5.4</b>	<b>A</b>	<b>5.6</b>	<b>A</b>	<b>4.4</b>	<b>A</b>
Brewster Street & Cottage Row/School Street	EB	LT	32.4	C	44.8	D	39.7	D
		R	0.3	A	0.2	A	0.2	A
	WB	LT	19.1	B	23.5	C	24.7	C
		R	21.3	C	29.5	C	28.0	C
	NB	L	10.7	B	22.1	C	12.6	B
		TR	19.0	B	25.0	C	24.7	C
	SB	L	14.1	B	43.7	D	41.1	D
TR		19.4	B	24.4	C	20.3	C	
<b>Overall</b>			<b>18.3</b>	<b>B</b>	<b>26.4</b>	<b>C</b>	<b>24.4</b>	<b>C</b>
Glen Cove Rd at NY 107 Divide	NB	T	18.8	B	27.5	C	19.2	B
		L	180.2	F	128.5	F	50.8	D
	SB	T	0.6	A	0.4	A	0.6	A
<b>Overall</b>			<b>42.0</b>	<b>D</b>	<b>41.5</b>	<b>D</b>	<b>14.6</b>	<b>B</b>
Herb Hill Road & Charles Street	EB	LT	28.5	C	28.3	C	27.8	C
		R	0.4	A	0.9	A	0.5	A
	WB	LTR	28.1	C	28.6	C	27.7	C
	NB	L	27.8	C	37.7	D	38.6	D
		T	17.6	B	20.1	C	17.1	C
	SB	R	14.0	B	13.0	B	11.3	B
		L	19.4	B	20.7	C	19.4	B
TR	25.5	C	25.6	C	24.0	C		
<b>Overall</b>			<b>19.2</b>	<b>B</b>	<b>20.0</b>	<b>C</b>	<b>21.7</b>	<b>C</b>
Glen Cove Avenue & Shore Road	EB	L	14.0	B	25.0	C	16.2	B
		R	4.3	A	4.7	A	3.8	A
	NB	L	9.2	A	13.3	B	12.6	B
		T	8.2	A	10.5	A	9.9	A
SB	TR	7.0	A	11.2	A	9.8	A	
<b>Overall</b>			<b>8.4</b>	<b>A</b>	<b>13.7</b>	<b>B</b>	<b>10.8</b>	<b>B</b>
Glen Cove Road & Mary Lane/Back Road	EB	LT	46.5	D	68.2	E	46.9	D
		R	3.5	A	3.3	A	3.4	A
	WB	LTR	43.9	D	40.8	D	49.2	D
	NB	L	52.1	D	68.4	E	48.9	D
		TR	8.0	A	17.8	B	7.2	A
	SB	L	25.0	C	37.0	D	35.5	D
		T	46.1	D	54.6	D	32.4	C
R	5.4	A	5.1	A	3.9	A		
<b>Overall</b>			<b>28.4</b>	<b>C</b>	<b>35.0</b>	<b>D</b>	<b>21.2</b>	<b>C</b>
Glen Cove Avenue & Back Road	WB	L	12.4	B	13.7	B	11.5	B
		R	7.0	A	7.6	A	7.6	A
	NB	T	9.6	A	11.2	B	10.1	B
		R	6.6	A	7.0	A	6.6	A
SB	LT	27.3	D	19.1	C	20.3	C	
<b>Overall</b>			<b>17.6</b>	<b>C</b>	<b>12.7</b>	<b>B</b>	<b>13.3</b>	<b>B</b>
Glen Cove Avenue & Glen Head Road	EB	LTR	18.6	B	23.3	C	25.7	C
	WB	LTR	25.3	C	30.4	C	38.5	D
	NB	L	11.3	B	10.6	B	11.8	B
		TR	11.6	B	15.1	B	15.4	B
	SB	L	37.7	D	125.9	F	191.1	F
TR		16.0	B	14.9	B	15.0	B	
<b>Overall</b>			<b>20.6</b>	<b>B</b>	<b>30.8</b>	<b>C</b>	<b>41.5</b>	<b>D</b>
NY 107 & Glen Head Road	EB	LR	75.2	F	59.6	F	18.2	C
	NB	L	12.3	B	11.1	B	9.3	A
Herb Hill Road & Dickson Street	WB	LR	145.4	F	281.9	F	396.7	F
	SB	LT	7.4	A	9.6	A	8.0	A