APPENDIX G
MITIGATION

TABLE G-1

WITH ACTION WITH MITIGATION INTERSECTION LEVEL OF SERVICE ANALYSIS (AM PEAK HOUR)

	No-Action AM Peak Hour					With-Action AM Peak Hour						Mitigation AM Peak Hour					
Intersections	Approach	Lane Group	V/C Ratio	Delay (sec/veh)	LOS	Approach	Lane Group	V/C Ratio	Delay (sec/veh)	LOS		Approach	Lane Group	V/C Ratio	Delay (sec/veh)	LOS	
Signalized																	
Broadway (EB-WB) &	EB	LT	0.44	10.9	B	EB	LT	0.46	11.1	B		EB	LT	0.51	13.9	B	
43rd Street (NB)	WB	TR	0.65	14.9	B	WB	TR	0.65	15.1	B		WB	TR	0.72	19.8	B	
	NB	LTR	1.19	135.2	F	NB	LTR	1.47	244.5	F	*	NB	LTR	1.13	99.9	F	
34th Avenue (EB-WB) &	EB	TR	0.47	11.8	B	EB	TR	0.50	12.3	B		EB	TR	0.50	12.3	B	
38th Street (SB)	WB	LT	0.62	15.0	B	WB	LT	0.64	15.5	B		WB	LT	0.64	15.5	B	
	SB	LTR	0.59	23.2	C	SB	LTR	0.66	25.7	C		SB	LTR	0.66	25.7	C	
34th Avenue (EB-WB) &	EB	LT	0.34	10.1	B	EB	LT	0.37	10.5	B		EB	LT	0.37	10.5	B	
41st Street (NB)	WB	TR	0.56	13.2	B	WB	TR	0.57	13.5	B		WB	TR	0.57	13.5	B	
	NB	LTR	0.36	22.2	C	NB	LTR	0.47	20.3	C		NB	LTR	0.47	20.4	C	
34th Avenue (EB-WB) &	EB	LT	0.33	9.9	A	EB	LT	0.34	10.0	B		EB	LT	0.34	10.0	B	
43rd Street (NB)	WB	TR	0.64	15.2	B	WB	TR	0.66	15.6	B		WB	TR	0.66	15.6	B	
	NB	LTR	0.71	30.8	C	NB	LTR	0.88	42.7	D		NB	LTR	0.88	42.9	D	
35th Avenue (EB-WB) &	EB	LT	0.46	14.1	B	EB	LT	0.49	14.6	B		EB	LT	0.49	14.6	B	
37th Street (NB)	WB	TR	0.65	11.6	B	WB	TR	0.71	11.8	B		WB	TR	0.71	11.8	B	
	NB	LTR	0.55	18.4	B	NB	LTR	0.75	24.7	C		NB	LTR	0.75	24.7	C	
35th Avenue (EB-WB) &	EB	TR	0.45	9.4	A	EB	TR	0.52	10.3	B		EB	TR	0.52	10.3	B	
38th Street (SB)	WB	LT	0.70	25.0	C	WB	LT	0.86	25.4	C		WB	LT	0.86	32.2	C	
	SB	LTR	0.57	24.2	C	SB	LTR	0.66	26.7	C		SB	LTR	0.66	26.7	C	
35th Avenue (EB-WB) &	EB	LTR	0.37	16.5	B	EB	LTR	0.46	18.0	B		EB	LTR	0.45	17.9	B	
Steinway Street (NB-SB)	WB	LTR	0.51	21.3	C	WB	LTR	0.91	44.6	D		WB	LT	0.82	35.1	D	
												WB	R	0.11	14.0	B	
												WB	LTR	-	32.7	C	
	NB	LTR	0.54	15.8	B	NB	LTR	0.85	32.1	C		NB	LTR	0.88	37.5	D	
	SB	LTR	0.92	58.4	E	SB	LTR	1.05	92.2	F	*	SB	LT	0.76	40.8	D	
												SB	R	0.47	32.2	C	
												SB	LTR	-	38.8	D	
35th Avenue (EB-WB) &	EB	LT	0.35	14.9	B	EB	LT	0.43	14.8	B		EB	LT	0.43	15.2	B	
41st Street (NB)	WB	TR	0.42	5.8	A	WB	TR	0.49	5.8	A		WB	TR	0.49	5.8	A	
	NB	LTR	0.28	17.2	B	NB	LTR	0.74	31.5	C		NB	LT	0.71	29.3	C	
35th Avenue (EB-WB) &	EB	TR	0.28	6.8	A	EB	TR	0.38	8.1	A		EB	TR	0.37	7.8	A	
42nd Street (SB)	WB	LT	0.39	7.2	A	WB	LT	0.50	9.7	A		WB	LT	0.50	9.6	A	
	SB	LTR	0.42	16.8	B	SB	LTR	0.50	18.4	B		SB	LTR	0.50	18.4	B	
35th Avenue (EB-WB) &	EB	L	0.19	6.9	A	EB	L	0.28	6.7	A		EB	L	0.28	6.5	A	
43rd Street (NE)	WB	TR	0.44	11.3	B	WB	TR	0.45	11.4	B		WB	TR	0.45	11.3	B	
	NE	LT	0.38	8.6	A	NE	LT	0.61	12.1	B		NE	LT	0.61	13.2	B	
36th Avenue (EB-WB) &	EB	LT	0.36	10.4	B	EB	LT	0.42	11.5	B		EB	LT	0.42	11.5	B	
37th Street (NB)	WB	TR	0.61	10.1	B	WB	TR	0.88	23.9	C		WB	TR	0.88	23.9	C	
	NB	LTR	0.36	17.9	B	NB	LTR	0.40	18.4	B		NB	LTR	0.40	18.0	B	
36th Avenue (EB-WB) &	EB	TR	0.30	7.1	A	EB	TR	0.31	7.1	A		EB	TR	0.33	8.6	A	
38th Street (SB)	WB	LT	0.55	9.3	A	WB	LT	0.62	10.5	B		WB	LT	0.66	12.9	B	
	SB	LTR	0.68	27.3	C	SB	LTR	1.04	71.8	E	*	SB	LTR	0.94	44.7	D	
36th Avenue (EB-WB) &	EB	LTR	0.54	36.9	D	EB	LTR	0.99	88.1	F	*	EB	LTR	0.85	57.3	E	*
Steinway Street (NB-SB)	WB	LTR	0.68	47.1	D	WB	LTR	0.85	62.9	E	*	WB	LTR	0.76	49.8	D	
	NB	LTR	0.34	21.7	C	NB	LTR	0.41	23.8	C		NB	LTR	0.44	24.8	C	
	SB	LTR	0.42	2.0	A	SB	LTR	0.55	5.0	A		SB	LTR	0.58	8.5	A	
Northern Boulevard (EB-WB) &	EB	LT	0.34	16.2	B	EB	LT	0.36	16.5	B		EB	LT	0.36	17.1	B	
Queensboro Bridge (SB)	WB	T	0.26	39.8	D	WB	T	0.31	40.2	D		WB	T	0.31	41.4	D	
	WB	R	1.11	70.6	E	WB	R	1.14	83.2	F	*	WB	R	1.11	72.8	E	
	SB	L	0.86	43.2	D	SB	L	0.87	43.9	D		SB	L	0.85	41.8	D	
Northern Boulevard (EB-WB) &	EB	TR	0.73	34.0	C	EB	TR	0.74	34.7	C		EB	TR	0.74	33.8	C	
40th Road (SB) &	WB	L	0.09	8.5	A	WB	L	0.09	8.5	A		WB	L	0.09	8.5	A	
Driveway (NB)	WB	T	0.96	21.1	C	WB	T	1.00	28.3	C		WB	T	1.00	28.3	C	
	SB	LTR	0.63	54.2	D	SB	LTR	0.63	54.2	D		SB	LTR	0.63	54.2	D	

Intersections	No-Action AM Peak Hour					With-Action AM Peak Hour						Mitigation AM Peak Hour					
	Approach	Lane Group	V/C Ratio	Delay (sec/veh)	LOS	Approach	Lane Group	V/C Ratio	Delay (sec/veh)	LOS		Approach	Lane Group	V/C Ratio	Delay (sec/veh)	LOS	
Northern Boulevard (EB-WB) &	EB	L	0.63	50.3	D	EB	L	0.63	50.0	D		EB	L	0.63	49.8	D	
40th Avenue &	EB	T	0.79	14.5	B	EB	T	0.80	14.8	B		EB	T	0.80	14.7	B	
31st Street (SB)	WB	T	0.90	8.5	A	WB	T	0.94	10.0	B		WB	T	0.94	10.0	B	
	WB	R	0.04	0.0	A	WB	R	0.04	0.0	A		WB	R	0.04	0.0	A	
	SB	TR	0.39	35.6	D	SB	TR	0.39	35.6	D		SB	TR	0.39	35.6	D	
Northern Boulevard (EB-WB) &	EB	LTR	0.78	11.5	B	EB	LTR	0.81	12.6	B		EB	LTR	0.81	12.5	B	
39th Avenue &	WB	TR	0.94	13.2	B	WB	TR	0.98	17.6	B		WB	TR	0.98	17.6	B	
Honeywell Street (NB)	NB	L	0.47	42.8	D	NB	L	0.47	42.8	D		NB	L	0.47	42.8	D	
	NB	TR	0.97	86.5	F	NB	TR	0.97	86.5	F		NB	TR	0.97	86.5	F	
Northern Boulevard (EB-WB) &	EB	T	0.47	7.8	A	EB	T	0.49	7.9	A		EB	T	0.49	7.9	A	
34th Street (SB)	WB	T	0.83	0.6	A	WB	T	0.87	0.8	A		WB	T	0.87	0.8	A	
	SB	LR	0.32	39.6	D	SB	LR	0.32	39.6	D		SB	LR	0.32	39.6	D	
Northern Boulevard (EB-WB) &	EB	L	1.38	254.5	F	EB	L	1.67	377.9	F	*	EB	L	1.67	377.9	F	*
35th Street &	EB	T	0.44	11.8	B	EB	T	0.45	11.9	B		EB	T	0.45	11.9	B	
38th Avenue (SB)	WB	TR	1.01	19.2	B	WB	TR	1.05	31.3	C		WB	TR	1.05	31.3	C	
	SB	LTR	0.72	54.9	D	SB	LTR	0.72	54.9	D		SB	LTR	0.72	54.9	D	
Northern Boulevard (EB-WB) &	EB	T	0.55	12.8	B	EB	T	0.57	12.9	B		EB	T	0.57	12.9	B	
36th Street (SB)	WB	T	0.97	7.3	A	WB	T	1.01	12.9	B		WB	T	1.01	12.9	B	
	SB	LR	0.23	37.4	D	SB	LR	0.24	37.5	D		SB	LR	0.24	37.5	D	
Northern Boulevard (EB-WB) &	EB	L	1.16	179.6	F	EB	L	1.65	380.9	F	*	EB	L	1.65	380.9	F	*
37th Street (SB) &	EB	TR	0.53	16.4	B	EB	TR	0.54	16.6	B		EB	TR	0.54	16.6	B	
Standard Lane (NB)	WB	LT	0.96	12.2	B	WB	LT	1.01	19.3	B		WB	LT	1.01	21.0	C	
	SB	LTR	0.69	54.3	D	SB	LTR	0.71	55.9	E		SB	LTR	0.71	55.9	E	
Northern Boulevard (EB-WB) &	EB	T	0.61	17.7	B	EB	T	0.62	17.5	B		EB	T	0.62	17.5	B	
38th Street (SB)	WB	T	1.03	29.7	C	WB	T	1.05	39.4	D		WB	T	1.05	39.3	D	
	SB	LR	0.84	62.7	E	SB	LR	1.03	90.9	F	*	SB	L	0.58	46.8	D	
												SB	R	0.60	48.6	D	
												SB	LR	-	47.6	D	
Northern Boulevard (EB-WB) &	EB	L	0.95	116.9	F	EB	L	0.98	124.0	F	*	EB	L	0.98	129.4	F	*
39th Street (NB) &	EB	TR	0.81	25.2	C	EB	TR	0.85	27.0	C		EB	TR	0.85	28.0	C	
Steinway Street (SB)	WB	L	1.13	69.8	E	WB	L	1.17	83.9	F	*	WB	L	1.17	84.0	F	*
	WB	TR	1.12	60.0	E	WB	TR	1.12	62.9	E		WB	TR	1.12	63.1	E	
	NB	L	0.85	70.8	E	NB	L	0.85	69.7	E		NB	L	0.85	69.8	E	
	NB	TR	1.05	109.4	F	NB	TR	1.27	188.6	F	*	NB	TR	1.27	188.7	F	*
	SB	LTR	1.24	184.8	F	SB	LTR	1.82	432.4	F	*	SB	LTR	1.82	435.5	F	*
Northern Boulevard (EB-WB) &	EB	L	0.47	22.9	C	EB	L	0.96	80.2	F	*	EB	L	0.96	80.6	F	*
41st Street (SB)	EB	T	0.48	11.0	B	EB	T	0.50	11.0	B		EB	T	0.50	11.0	B	
	WB	TR	1.11	57.2	E	WB	TR	1.12	62.0	E	*	WB	TR	1.12	62.8	E	*
	SB	LR	0.25	38.1	D	SB	LR	0.26	38.3	D		SB	LR	0.26	38.3	D	
Northern Boulevard (EB-WB) &	EB	TR	0.53	16.1	B	EB	TR	0.56	15.7	B		EB	TR	0.55	14.7	B	
42nd Street (SB) &	WB	L	0.12	1.6	A	WB	L	0.13	1.6	A		WB	L	0.12	3.0	A	
Driveway (NB)	WB	T	1.13	63.0	E	WB	T	1.15	71.9	E	*	WB	T	1.13	66.5	E	
	NB	LTR	0.30	39.8	D	NB	LTR	0.30	40.0	D		NB	LTR	0.29	40.3	D	
	SB	LTR	0.80	56.0	E	SB	LTR	1.08	112.3	F	*	SB	L	0.79	60.7	E	
												SB	TR	0.48	41.5	D	
												SB	LTR	-	52.4	D	
Northern Boulevard (EB-WB) &	EB	LTR	0.84	22.4	C	EB	LTR	1.59	138.6	F	*	EB	LTR	1.59	93.5	F	*
43rd Street &	WB	L	0.65	6.8	A	WB	L	0.74	8.4	A		WB	L	0.67	4.3	A	
42nd Place (NB)	WB	TR	1.09	50.7	D	WB	TR	1.14	71.2	E	*	WB	TR	1.08	40.1	D	
	NB	LTR	0.88	67.6	E	NB	LTR	0.93	76.0	E	*	NB	L	0.39	43.8	D	
												NB	TR	0.76	60.7	E	
												NB	LTR	-	54.6	D	
Northern Boulevard (EB-WB) &	EB	L	0.22	16.0	B	EB	L	0.22	11.0	B		EB	L	0.22	11.9	B	
44th Street (SB) &	EB	TR	0.47	8.9	A	EB	TR	0.49	12.4	B		EB	TR	0.49	13.0	B	
35th Avenue	WB	TR	1.13	63.2	E	WB	TR	1.16	78.4	E	*	WB	TR	1.16	79.8	E	*
	SB	LTR	0.83	72.4	E	SB	LTR	0.92	88.6	F	*	SB	LTR	0.92	88.6	F	*
Northern Boulevard (EB-WB) &	EB	T	0.44	15.4	B	EB	T	0.47	16.8	B		EB	T	0.45	14.4	B	
46th Street (SB)	WB	T	1.13	61.8	E	WB	T	1.16	75.7	E	*	WB	T	1.13	59.7	E	
	SB	LR	0.86	69.7	E	SB	LR	0.88	73.1	E		SB	L	0.32	42.4	D	
												SB	R	0.79	67.6	E	
												SB	LR	-	59.2	E	

Intersections	No-Action AM Peak Hour					With-Action AM Peak Hour						Mitigation AM Peak Hour					
	Approach	Lane Group	V/C Ratio	Delay (sec/veh)	LOS	Approach	Lane Group	V/C Ratio	Delay (sec/veh)	LOS		Approach	Lane Group	V/C Ratio	Delay (sec/veh)	LOS	
Northern Boulevard (EB-WB) &	EB	TR	0.78	15.3	B	EB	TR	0.82	19.7	B		EB	TR	0.82	21.4	C	
48th Street (NB) &	WB	L	0.86	23.4	C	WB	L	0.91	30.1	C		WB	L	0.91	30.1	C	
34th Avenue	WB	TR	1.10	50.8	D	WB	TR	1.13	63.5	E	*	WB	TR	1.13	63.5	E	*
	NB	L	1.32	216.3	F	NB	L	1.35	230.5	F	*	NB	L	1.35	230.5	F	*
	NB	TR	0.48	45.4	D	NB	TR	0.48	45.4	D		NB	TR	0.48	45.4	D	
Northern Boulevard (EB-WB) &	EB	L	1.02	123.5	F	EB	L	1.02	123.1	F		EB	L	1.02	123.1	F	
51st Street (SB) &	EB	TR	0.72	35.5	D	EB	TR	0.74	36.4	D		EB	TR	0.74	36.4	D	
Woodside Avenue (NB)	WB	L	0.30	16.6	B	WB	L	0.31	17.1	B		WB	L	0.31	17.1	B	
	WB	TR	1.11	88.6	F	WB	TR	1.12	93.1	F	*	WB	TR	1.12	93.1	F	*
	NB	LTR	1.11	127.7	F	NB	LTR	1.11	127.7	F		NB	LTR	1.11	127.7	F	
	SB	LT	0.45	37.7	D	SB	LT	0.45	37.7	D		SB	LT	0.45	37.7	D	
	SB	R	1.12	121.8	F	SB	R	1.19	150.5	F	*	SB	R	1.19	150.5	F	*
Skillman Avenue (WB) &	WB	LT	0.54	15.1	B	WB	LT	0.54	15.1	B		WB	LT	0.54	15.1	B	
39th Street (NB-SB)	WB	R	0.33	13.8	B	WB	R	0.38	14.7	B		WB	R	0.38	14.7	B	
	NB	LT	0.75	20.3	C	NB	LT	0.87	29.3	C		NB	LT	0.87	31.3	C	
	SB	T	0.71	16.6	B	SB	T	0.80	16.2	B		SB	T	0.80	16.1	B	
	SB	R	0.82	20.3	C	SB	R	0.90	20.0	C		SB	R	0.90	20.0	C	
43rd Avenue (EB) &	EB	LT	0.23	11.8	B	EB	LT	0.25	12.0	B		EB	LT	0.29	14.3	B	
39th Street (NB-SB)	EB	R	0.07	10.8	B	EB	R	0.07	10.8	B		EB	R	0.08	12.8	B	
	NB	TR	0.66	20.0	C	NB	TR	0.69	21.2	C		NB	TR	0.62	16.5	B	
	SB	LT	1.32	175.0	F	SB	LT	1.60	293.8	F	*	SB	LT	1.31	165.9	F	
Greenpoint Avenue (EB-WB) &	EB	LTR	0.29	32.7	C	EB	LTR	0.35	36.4	D		EB	LTR	0.36	39.1	D	
39th Street (NB-SB)	WB	LT	0.36	15.9	B	WB	LT	0.38	16.3	B		WB	LT	0.39	16.9	B	
	WB	R	0.06	12.4	B	WB	R	0.06	12.4	B		WB	R	0.06	12.8	B	
	NB	LTR	0.33	29.7	C	NB	LTR	0.33	29.7	C		NB	LTR	0.33	28.9	C	
	SB	LTR	0.66	40.2	D	SB	LTR	0.77	46.7	D	*	SB	LTR	0.75	44.6	D	
Greenpoint Avenue (EB-WB) &	EB	TR	0.35	8.2	A	EB	TR	0.39	10.3	B		EB	TR	0.39	10.3	B	
38th Street (SB)	WB	LT	0.63	27.4	C	WB	LT	0.71	27.9	C		WB	LT	0.71	28.3	C	
	SB	LTR	0.61	37.9	D	SB	LTR	0.70	41.9	D		SB	LTR	0.70	41.9	D	
Greenpoint Avenue (EB-WB) &	EB	LT	0.33	5.4	A	EB	LT	0.38	7.2	A		EB	LT	0.38	7.2	A	
Hunters Point Avenue (NW-SE)	WB	TR	0.84	33.6	C	WB	TR	0.98	50.6	D	*	WB	TR	0.98	50.8	D	*
	SE	LTR	1.02	90.9	F	SE	LTR	1.09	113.8	F	*	SE	LTR	1.09	113.8	F	*
	NW	LTR	1.10	94.8	F	NW	LTR	1.15	112.6	F	*	NW	LTR	1.15	112.6	F	*
Greenpoint Avenue (NE-SW) &	WB	LTR	0.95	30.3	C	WB	LTR	0.95	30.3	C		WB	LTR	0.95	30.3	C	
Queens Midtown Expressway (WB)	NE	LT	0.34	16.6	B	NE	LT	0.34	16.6	B		NE	LT	0.34	16.6	B	
	SW	TR	0.71	27.1	C	SW	TR	0.78	28.4	C		SW	TR	0.78	28.4	C	
Greenpoint Avenue (NE-SW) &	EB	LTR	1.05	78.1	E	EB	LTR	1.05	78.1	E		EB	LTR	1.05	78.1	E	
Borden Avenue (EB)	NE	T	0.40	36.6	D	NE	T	0.40	36.6	D		NE	T	0.40	36.6	D	
	NE	R	1.10	114.6	F	NE	R	1.10	114.6	F		NE	R	1.10	114.6	F	
	SW	L	1.12	107.0	F	SW	L	1.23	150.7	F	*	SW	L	1.23	150.7	F	*
	SW	T	0.86	24.0	C	SW	T	0.86	22.9	C		SW	T	0.86	22.9	C	
Unsignalized																	
36th Avenue (EB-WB) &	EB	LR	-	7.3	A	EB	LR	-	7.7	A		EB	LR	-	7.7	A	
41st Street (NB)	WB	LTR	-	8.7	A	WB	LTR	-	9.4	A		WB	LTR	-	9.4	A	
(All-Way Stop Controlled)	NB	LT	-	7.9	A	NB	LT	-	8.3	A		NB	LT	-	8.3	A	
Northern Boulevard (EB-WB) &	EB	L	0.02	15.4	C	EB	L	0.03	18.3	C		EB	L	0.03	18.1	C	
36th Avenue (NB-SB) & Driveway (NB)	WB	L	0.00	0.0	A	WB	L	0.00	0.0	A		WB	L	0.00	0.0	A	
	NB	LTR	0.01	9.0	A	NB	LTR	0.01	9.0	A		NB	LTR	0.01	9.0	A	
Northern Boulevard (EB-WB) &	EB	L	0.21	0.0	A	EB	L	0.22	0.0	A		EB	L	0.22	0.0	A	
Newtown Road (SB)	SB	R	0.03	13.0	B	SB	R	0.03	13.0	B		SB	R	0.03	13.0	B	
Hunters Point Avenue (WB) &	SB	R	0.04	14.2	B	SB	R	0.04	14.5	B		SB	R	0.04	14.5	B	
38th Street (SB)																	
Queens Midtown Expressway (WB) &	SB	R	0.08	14.4	B	SB	R	0.08	14.8	B		SB	R	0.08	14.8	B	
39th Street (SB)																	

* Denotes a significant adverse impact.

TABLE G-2

WITH ACTION WITH MITIGATION INTERSECTION LEVEL OF SERVICE ANALYSIS (MIDDAY PEAK HOUR)

	No-Action Midday Peak Hour					With-Action Midday Peak Hour						Mitigation Midday Peak Hour					
Intersections	Approach	Lane Group	V/C Ratio	Delay (sec/veh)	LOS	Approach	Lane Group	V/C Ratio	Delay (sec/veh)	LOS		Approach	Lane Group	V/C Ratio	Delay (sec/veh)	LOS	
Signalized																	
Broadway (EB-WB) &	EB	LT	0.64	16.8	B	EB	LT	0.67	17.8	B		EB	LT	0.72	21.4	C	
43rd Street (NB)	WB	TR	0.63	16.4	B	WB	TR	0.65	16.9	B		WB	TR	0.70	20.1	C	
	NB	LTR	1.27	175.0	F	NB	LTR	1.42	233.8	F	*	NB	LTR	1.22	149.9	F	
34th Avenue (EB-WB) &	EB	TR	0.54	12.9	B	EB	TR	0.57	13.6	B		EB	TR	0.57	13.6	B	
38th Street (SB)	WB	LT	0.66	15.8	B	WB	LT	0.69	16.9	B		WB	LT	0.69	16.9	B	
	SB	LTR	0.65	25.3	C	SB	LTR	0.77	32.1	C		SB	LTR	0.77	32.1	C	
34th Avenue (EB-WB) &	EB	LT	0.53	13.1	B	EB	LT	0.55	13.6	B		EB	LT	0.55	13.6	B	
41st Street (NB)	WB	TR	0.57	13.6	B	WB	TR	0.59	14.2	B		WB	TR	0.59	14.2	B	
	NB	LTR	0.39	18.7	B	NB	LTR	0.55	17.1	B		NB	LTR	0.55	18.6	B	
34th Avenue (EB-WB) &	EB	LT	0.53	13.4	B	EB	LT	0.53	13.3	B		EB	LT	0.53	13.3	B	
43rd Street (NB)	WB	TR	0.64	15.3	B	WB	TR	0.66	15.8	B		WB	TR	0.66	15.8	B	
	NB	LTR	0.73	37.0	D	NB	LTR	0.86	44.7	D		NB	LTR	0.86	44.6	D	
35th Avenue (EB-WB) &	EB	LT	0.47	13.5	B	EB	LT	0.5	14.1	B		EB	LT	0.50	14.1	B	
37th Street (NB)	WB	TR	0.52	9.5	A	WB	TR	0.57	10.2	B		WB	TR	0.57	10.2	B	
	NB	LTR	0.52	24.2	C	NB	LTR	0.56	24.8	C		NB	LTR	0.56	24.8	C	
35th Avenue (EB-WB) &	EB	TR	0.54	9.7	A	EB	TR	0.56	9.4	A		EB	TR	0.56	9.4	A	
38th Street (SB)	WB	LT	0.59	16.9	B	WB	LT	0.70	21.1	C		WB	LT	0.70	21.1	C	
	SB	LTR	0.64	23.6	C	SB	LTR	0.78	29.7	C		SB	LTR	0.78	29.7	C	
35th Avenue (EB-WB) &	EB	LTR	1.29	185.6	F	EB	LTR	1.46	259.2	F	*	EB	LTR	1.33	202.1	F	*
Steinway Street (NB-SB)	WB	LTR	0.70	38.0	D	WB	LTR	1.18	141.8	F	*	WB	LT	0.87	52.4	D	
												WB	R	0.19	21.4	C	
												WB	LTR	-	48.4	D	*
	NB	LTR	0.53	15.1	B	NB	LTR	0.66	19.2	B		NB	LTR	0.72	24.4	C	
	SB	LTR	0.46	13.6	B	SB	LTR	0.51	14.8	B		SB	LT	0.48	16.5	B	
												SB	R	0.14	12.0	B	
												SB	LTR	-	15.8	B	
35th Avenue (EB-WB) &	EB	LT	0.37	10.2	B	EB	LT	0.45	11.3	B		EB	LT	0.48	13.1	B	
41st Street (NB)	WB	TR	0.32	5.5	A	WB	TR	0.35	4.9	A		WB	TR	0.38	6.0	A	
	NB	LTR	0.40	19.3	B	NB	LTR	0.97	66.4	E	*	NB	LTR	0.80	34.7	C	
35th Avenue (EB-WB) &	EB	TR	0.47	8.7	A	EB	TR	0.70	15.2	B		EB	TR	0.58	9.7	A	
42nd Street (SB)	WB	LT	0.30	5.4	A	WB	LT	0.38	5.9	A		WB	LT	0.38	6.5	A	
	SB	LTR	0.44	17.3	B	SB	LTR	0.56	20.3	C		SB	LTR	0.56	20.3	C	
35th Avenue (EB-WB) &	EB	L	0.37	7.9	A	EB	L	0.48	10.8	B		EB	L	0.48	10.3	B	
43rd Street (NE)	WB	TR	0.34	11.7	B	WB	TR	0.38	11.8	B		WB	TR	0.38	11.6	B	
	NE	LT	0.34	12.3	B	NE	LT	0.57	19.0	B		NE	LT	0.57	21.3	C	
36th Avenue (EB-WB) &	EB	LT	0.52	12.6	B	EB	LT	0.55	13.4	B		EB	LT	0.55	13.4	B	
37th Street (NB)	WB	TR	0.46	6.5	A	WB	TR	0.61	9.1	A		WB	TR	0.61	9.1	A	
	NB	LTR	0.34	16.9	B	NB	LTR	0.36	17.3	B		NB	LTR	0.36	17.6	B	
36th Avenue (EB-WB) &	EB	TR	0.43	6.0	A	EB	TR	0.46	6.1	A		EB	TR	0.45	6.1	A	
38th Street (SB)	WB	LT	0.43	7.9	A	WB	LT	0.49	8.9	A		WB	LT	0.48	8.8	A	
	SB	LTR	0.58	25.3	C	SB	LTR	0.82	34.3	C		SB	LTR	0.82	34.3	C	
36th Avenue (EB-WB) &	EB	LTR	0.97	76.7	E	EB	LTR	1.36	217.6	F	*	EB	LTR	1.36	217.6	F	*
Steinway Street (NB-SB)	WB	LTR	0.57	42.7	D	WB	LTR	0.64	45.7	D		WB	LTR	0.64	45.7	D	
	NB	LTR	0.40	2.7	A	NB	LTR	0.48	3.0	A		NB	LTR	0.48	3.0	A	
	SB	LTR	0.39	12.6	B	SB	LTR	0.49	14.3	B		SB	LTR	0.49	14.3	B	
Northern Boulevard (EB-WB) &	EB	LT	0.44	17.9	B	EB	LT	0.46	18.1	B		EB	LT	0.46	18.8	B	
Queensboro Bridge (SB)	WB	T	0.37	26.2	C	WB	T	0.39	26.1	C		WB	T	0.40	26.2	C	
	WB	R	1.05	82.1	F	WB	R	1.07	89.8	F	*	WB	R	1.05	81.4	F	
	SB	L	0.78	38.6	D	SB	L	0.79	39.2	D		SB	L	0.77	37.7	D	
Northern Boulevard (EB-WB) &	EB	TR	0.67	24.4	C	EB	TR	0.68	25.2	C		EB	TR	0.68	25.2	C	
40th Road (SB) &	WB	L	0.03	7.2	A	WB	L	0.03	6.9	A		WB	L	0.03	6.9	A	
Driveway (NB)	WB	T	0.71	15.7	B	WB	T	0.73	15.8	B		WB	T	0.73	15.8	B	
	NB	LTR	0.02	37.1	D	NB	LTR	0.02	37.1	D		NB	LTR	0.02	37.1	D	
	SB	LTR	0.67	56.7	E	SB	LTR	0.67	56.7	E		SB	LTR	0.67	56.7	E	

Intersections	No-Action Midday Peak Hour					With-Action Midday Peak Hour					Mitigation Midday Peak Hour				
	Approach	Lane Group	V/C Ratio	Delay (sec/veh)	LOS	Approach	Lane Group	V/C Ratio	Delay (sec/veh)	LOS	Approach	Lane Group	V/C Ratio	Delay (sec/veh)	LOS
Northern Boulevard (EB-WB) &	EB	L	0.76	47.4	D	EB	L	0.76	47.4	D	EB	L	0.76	47.4	D
40th Avenue &	EB	T	0.77	24.7	C	EB	T	0.79	24.9	C	EB	T	0.79	24.9	C
31st Street (SB)	WB	T	0.61	7.5	A	WB	T	0.63	7.6	A	WB	T	0.63	7.6	A
	WB	R	0.19	0.3	A	WB	R	0.19	0.3	A	WB	R	0.19	0.3	A
	SB	TR	0.42	36.2	D	SB	TR	0.42	36.2	D	SB	TR	0.42	36.2	D
Northern Boulevard (EB-WB) &	EB	LTR	0.64	11.0	B	EB	LTR	0.66	11.8	B	EB	LTR	0.66	11.8	B
39th Avenue &	WB	TR	0.58	12.2	B	WB	TR	0.60	12.2	B	WB	TR	0.60	12.2	B
Honeywell Street (NB)	NB	L	0.68	54.2	D	NB	L	0.68	54.2	D	NB	L	0.68	54.2	D
	NB	TR	1.14	140.8	F	NB	TR	1.14	140.8	F	NB	TR	1.14	140.8	F
Northern Boulevard (EB-WB) &	EB	T	0.46	11.7	B	EB	T	0.47	12.0	B	EB	T	0.47	12.0	B
34th Street (SB)	WB	T	0.51	12.6	B	WB	T	0.53	12.9	B	WB	T	0.53	12.9	B
	SB	LR	0.57	48.9	D	SB	LR	0.57	48.9	D	SB	LR	0.57	48.9	D
Northern Boulevard (EB-WB) &	EB	L	0.35	7.4	A	EB	L	0.37	8.0	A	EB	L	0.37	8.0	A
35th Street &	EB	T	0.46	2.3	A	EB	T	0.47	2.3	A	EB	T	0.47	2.3	A
38th Avenue (SB)	WB	TR	0.63	10.1	B	WB	TR	0.65	10.0	B	WB	TR	0.65	10.0	B
	SB	LTR	1.19	167.1	F	SB	LTR	1.19	167.1	F	SB	LTR	1.19	167.1	F
Northern Boulevard (EB-WB) &	EB	T	0.56	11.9	B	EB	T	0.57	11.8	B	EB	T	0.57	11.8	B
36th Street (SB)	WB	T	0.55	8.1	A	WB	T	0.57	8.0	A	WB	T	0.57	8.0	A
	SB	LR	0.26	39.5	D	SB	LR	0.24	39.2	D	SB	LR	0.24	39.2	D
Northern Boulevard (EB-WB) &	EB	L	0.34	5.4	A	EB	L	0.39	6.5	A	EB	L	0.39	6.5	A
37th Street (SB) &	EB	TR	0.63	3.3	A	EB	TR	0.64	3.4	A	EB	TR	0.64	3.4	A
Standard Lane (NB)	WB	LT	0.57	6.7	A	WB	LT	0.59	6.9	A	WB	LT	0.59	7.2	A
	NB	LTR	0.02	31.9	C	NB	LTR	0.02	31.9	C	NB	LTR	0.02	31.9	C
	SB	LTR	0.72	52.7	D	SB	LTR	0.73	53.4	D	SB	LTR	0.73	53.4	D
Northern Boulevard (EB-WB) &	EB	T	0.63	7.2	A	EB	T	0.64	7.1	A	EB	T	0.64	7.1	A
38th Street (SB)	WB	T	0.59	4.4	A	WB	T	0.60	4.9	A	WB	T	0.60	4.8	A
	SB	LR	0.68	61.3	E	SB	LR	0.77	65.5	E *	SB	L	0.34	51.8	D
											SB	R	0.53	56.4	E
											SB	LR	-	54.5	D
Northern Boulevard (EB-WB) &	EB	L	0.47	19.3	B	EB	L	0.50	21.1	C	EB	L	0.50	21.8	C
39th Street (NB) &	EB	TR	0.96	28.9	C	EB	TR	1.00	36.9	D	EB	TR	1.00	37.7	D
Steinway Street (SB)	WB	L	1.61	324.5	F	WB	L	1.91	454.8	F *	WB	L	1.91	453.5	F *
	WB	TR	1.10	69.6	E	WB	TR	1.11	72.0	E	WB	TR	1.11	70.7	E
	NB	L	0.41	37.2	D	NB	L	0.41	36.8	D	NB	L	0.41	37.9	D
	NB	TR	1.14	128.8	F	NB	TR	1.38	226.1	F *	NB	TR	1.38	228.2	F *
	SB	LTR	1.28	202.7	F	SB	LTR	1.61	338.3	F *	SB	LTR	1.61	338.3	F *
Northern Boulevard (EB-WB) &	EB	L	0.18	6.7	A	EB	L	0.39	7.7	A	EB	L	0.39	7.6	A
41st Street (SB)	EB	T	0.56	7.1	A	EB	T	0.57	7.7	A	EB	T	0.57	7.7	A
	WB	TR	0.57	10.9	B	WB	TR	0.58	11.2	B	WB	TR	0.58	11.5	B
	SB	LR	0.35	40.8	D	SB	LR	0.35	40.9	D	SB	LR	0.35	40.9	D
Northern Boulevard (EB-WB) &	EB	TR	0.58	10.7	B	EB	TR	0.58	10.7	B	EB	TR	0.58	10.7	B
42nd Street (SB) &	WB	L	0.10	17.5	B	WB	L	0.10	17.5	B	WB	L	0.10	15.1	B
Driveway (NB)	WB	T	0.56	25.3	C	WB	T	0.57	26.2	C	WB	T	0.57	22.9	C
	NB	LTR	0.56	55.6	E	NB	LTR	0.56	55.6	E	NB	LTR	0.60	58.6	E
	SB	LTR	1.09	124.9	F	SB	LTR	1.40	243.1	F *	SB	L	0.97	98.9	F
											SB	TR	0.62	51.1	D
											SB	LTR	-	76.6	E
Northern Boulevard (EB-WB) &	EB	LTR	0.84	30.6	C	EB	LTR	0.94	40.0	D	EB	LTR	0.91	32.2	C
43rd Street &	WB	L	1.03	86.0	F	WB	L	1.13	115.3	F *	WB	L	1.03	77.2	E
42nd Place (NB)	WB	TR	0.58	11.2	B	WB	TR	0.60	11.3	B	WB	TR	0.58	8.0	A
	NB	LTR	0.98	89.3	F	NB	LTR	1.00	95.3	F *	NB	L	0.31	42.6	D
											NB	TR	0.78	62.9	E
											NB	LTR	-	56.4	E
Northern Boulevard (EB-WB) &	EB	L	0.16	4.1	A	EB	L	0.17	3.9	A	EB	L	0.20	8.6	A
44th Street (SB) &	EB	TR	0.64	5.0	A	EB	TR	0.65	4.6	A	EB	TR	0.69	11.1	B
35th Avenue	WB	TR	0.69	16.8	B	WB	TR	0.73	17.3	B	WB	TR	0.77	21.2	C
	SB	LTR	1.00	107.4	F	SB	LTR	1.21	180.2	F *	SB	LTR	1.00	107.3	F
Northern Boulevard (EB-WB) &	EB	T	0.64	6.3	A	EB	T	0.65	6.2	A	EB	T	0.65	3.7	A
46th Street (SB)	WB	T	0.61	4.0	A	WB	T	0.63	4.0	A	WB	T	0.63	4.0	A
	SB	LR	0.69	55.4	E	SB	LR	0.73	58.2	E	SB	L	0.24	39.2	D
											SB	R	0.62	55.3	E
											SB	LR	-	49.1	D

Intersections	No-Action Midday Peak Hour					With-Action Midday Peak Hour						Mitigation Midday Peak Hour					
	Approach	Lane Group	V/C Ratio	Delay (sec/veh)	LOS	Approach	Lane Group	V/C Ratio	Delay (sec/veh)	LOS		Approach	Lane Group	V/C Ratio	Delay (sec/veh)	LOS	
Northern Boulevard (EB-WB) &	EB	TR	1.06	57.2	E	EB	TR	1.10	72.4	E	*	EB	TR	1.10	71.6	E	*
48th Street (NB) &	WB	L	1.18	162.3	F	WB	L	1.21	174.7	F	*	WB	L	1.21	174.7	F	*
34th Avenue	WB	TR	1.16	83.4	F	WB	TR	1.23	113.6	F	*	WB	TR	1.23	113.6	F	*
	NB	L	1.62	351.7	F	NB	L	1.71	392.0	F	*	NB	L	1.71	392.0	F	*
	NB	TR	0.91	83.5	F	NB	TR	0.91	83.5	F		NB	TR	0.91	83.5	F	
Northern Boulevard (EB-WB) &	EB	L	0.71	36.5	D	EB	L	0.72	36.9	D		EB	L	0.73	37.8	D	
51st Street (SB) &	EB	TR	0.91	45.3	D	EB	TR	0.92	45.8	D		EB	TR	0.94	46.9	D	
Woodside Avenue (NB)	WB	L	0.32	20.5	C	WB	L	0.32	20.8	C		WB	L	0.33	21.8	C	
	WB	TR	0.65	23.3	C	WB	TR	0.66	23.5	C		WB	TR	0.67	24.4	C	
	NB	LTR	1.11	125.1	F	NB	LTR	1.11	125.1	F		NB	LTR	1.08	111.9	F	
	SB	LT	0.37	35.6	D	SB	LT	0.37	35.6	D		SB	LT	0.36	34.6	C	
	SB	R	0.81	58.4	E	SB	R	0.86	63.9	E	*	SB	R	0.83	59.6	E	
Skillman Avenue (WB) &	WB	LT	0.27	12.1	B	WB	LT	0.27	12.1	B		WB	LT	0.30	13.6	B	
39th Street (NB-SB)	WB	R	0.30	13.2	B	WB	R	0.38	14.5	B		WB	R	0.42	16.6	B	
	NB	LT	0.85	36.6	D	NB	LT	1.01	64.9	E	*	NB	LT	0.85	37.2	D	
	SB	T	0.80	29.2	C	SB	T	0.89	34.9	C		SB	T	0.82	28.4	C	
	SB	R	0.38	16.7	B	SB	R	0.41	18.0	B		SB	R	0.38	15.4	B	
43rd Avenue (EB) &	EB	LT	0.26	12.0	B	EB	LT	0.28	12.2	B		EB	LT	0.32	14.5	B	
39th Street (NB-SB)	EB	R	0.07	10.8	B	EB	R	0.07	10.8	B		EB	R	0.08	12.8	B	
	NB	TR	0.68	21.0	C	NB	TR	0.70	21.8	C		NB	TR	0.63	16.9	B	
	SB	LT	1.56	273.9	F	SB	LT	1.80	378.3	F	*	SB	LT	1.52	254.6	F	
Greenpoint Avenue (EB-WB) &	EB	LTR	0.50	34.7	C	EB	LTR	0.53	36.0	D		EB	LTR	0.53	36.0	D	
39th Street (NB-SB)	WB	LT	0.21	13.9	B	WB	LT	0.22	14.0	B		WB	LT	0.22	14.0	B	
	WB	R	0.03	12.0	B	WB	R	0.03	12.0	B		WB	R	0.03	12.0	B	
	NB	LTR	0.25	28.2	C	NB	LTR	0.25	28.2	C		NB	LTR	0.25	28.2	C	
	SB	LTR	0.61	37.5	D	SB	LTR	0.64	38.7	D		SB	LTR	0.64	38.7	D	
Greenpoint Avenue (EB-WB) &	EB	TR	0.52	19.7	B	EB	TR	0.54	20.9	C		EB	TR	0.54	21.1	C	
38th Street (SB)	WB	LT	0.45	18.7	B	WB	LT	0.47	19.1	B		WB	LT	0.47	19.1	B	
	SB	LTR	0.50	34.2	C	SB	LTR	0.54	35.4	D		SB	LTR	0.54	35.4	D	
Greenpoint Avenue (EB-WB) &	EB	LT	0.33	18.1	B	EB	LT	0.34	18.1	B		EB	LT	0.34	18.7	B	
Hunters Point Avenue (NW-SE)	WB	TR	0.71	25.8	C	WB	TR	0.75	28.0	C		WB	TR	0.76	29.3	C	
	SE	LTR	1.18	137.3	F	SE	LTR	1.22	156.4	F	*	SE	LTR	1.16	132.4	F	
	NW	LTR	1.12	104.5	F	NW	LTR	1.16	118.8	F	*	NW	LTR	1.13	106.6	F	
Greenpoint Avenue (NE-SW) &	WB	LTR	0.78	25.8	C	WB	LTR	0.78	25.8	C		WB	LTR	0.78	25.8	C	
Queens Midtown Expressway (WB)	NE	LT	0.25	5.4	A	NE	LT	0.25	5.4	A		NE	LT	0.25	5.4	A	
	SW	TR	0.63	21.5	C	SW	TR	0.66	21.9	C		SW	TR	0.66	21.9	C	
Greenpoint Avenue (NE-SW) &	EB	LTR	0.93	44.7	D	EB	LTR	0.93	44.7	D		EB	LTR	0.93	44.7	D	
Borden Avenue (EB)	NE	T	0.42	32.0	C	NE	T	0.42	32.0	C		NE	T	0.42	32.0	C	
	NE	R	1.10	104.5	F	NE	R	1.10	104.5	F		NE	R	1.10	104.5	F	
	SW	L	1.11	89.6	F	SW	L	1.15	103.6	F	*	SW	L	1.15	103.6	F	*
	SW	T	0.63	10.8	B	SW	T	0.63	10.6	B		SW	T	0.63	10.6	B	
Unsignalized																	
36th Avenue (EB-WB) &	EB	LR	-	8.3	A	EB	LR	-	9.0	A		EB	LR	-	9.0	A	
41st Street (NB)	WB	LTR	-	8.9	A	WB	LTR	-	9.8	A		WB	LTR	-	9.8	A	
(All-Way Stop Controlled)	NB	LT	-	8.2	A	NB	LT	-	8.9	A		NB	LT	-	8.9	A	
Northern Boulevard (EB-WB) &	EB	L	0.02	11.8	B	EB	L	0.03	13	B		EB	L	0.03	13.0	B	
36th Avenue (NB-SB) & Driveway (NB)	WB	L	0.01	9.4	A	WB	L	0.01	9.5	A		WB	L	0.01	9.5	A	
	NB	LTR	0.04	10.5	B	NB	LTR	0.04	10.5	B		NB	LTR	0.04	10.5	B	
Northern Boulevard (EB-WB) &	EB	L	0.02	0.7	A	EB	L	0.02	0.8	A		EB	L	0.02	0.8	A	
Newtown Road (SB)	SB	R	0.05	10.2	B	SB	R	0.05	10.3	B		SB	R	0.05	10.2	B	
Hunters Point Avenue (WB) &	SB	R	0.02	12.1	B	SB	R	0.02	12.3	B		SB	R	0.02	12.3	B	
38th Street (SB)																	
Queens Midtown Expressway (WB) &	SB	R	0.05	12.2	B	SB	R	0.05	12.4	B		SB	R	0.05	12.4	B	
39th Street (SB)																	

* Denotes a significant adverse impact.

TABLE G-3

WITH ACTION WITH MITIGATION INTERSECTION LEVEL OF SERVICE ANALYSIS (PM PEAK HOUR)

	No-Action PM Peak Hour					With-Action PM Peak Hour						Mitigation PM Peak Hour					
Intersections	Approach	Lane Group	V/C Ratio	Delay (sec/veh)	LOS	Approach	Lane Group	V/C Ratio	Delay (sec/veh)	LOS		Approach	Lane Group	V/C Ratio	Delay (sec/veh)	LOS	
Signalized																	
Broadway (EB-WB) &	EB	LT	0.70	16.5	B	EB	LT	0.71	17.1	B		EB	LT	0.76	20.8	C	
43rd Street (NB)	WB	TR	0.68	15.5	B	WB	TR	0.68	15.5	B		WB	TR	0.73	18.7	B	
	NB	LTR	1.28	171.2	F	NB	LTR	1.50	265.7	F	*	NB	LTR	1.28	166.8	F	
34th Avenue (EB-WB) &	EB	TR	0.70	17.4	B	EB	TR	0.73	18.9	B		EB	TR	0.73	18.9	B	
38th Street (SB)	WB	LT	0.56	13.1	B	WB	LT	0.58	13.8	B		WB	LT	0.58	13.8	B	
	SB	LTR	0.66	25.5	C	SB	LTR	0.78	31.7	C		SB	LTR	0.78	31.7	C	
34th Avenue (EB-WB) &	EB	LT	0.62	15.1	B	EB	LT	0.64	15.9	B		EB	LT	0.64	15.9	B	
41st Street (NB)	WB	TR	0.64	15.2	B	WB	TR	0.67	16.2	B		WB	TR	0.67	16.2	B	
	NB	LTR	0.54	26.9	C	NB	LTR	0.72	24.9	C		NB	LTR	0.72	27.8	C	
34th Avenue (EB-WB) &	EB	LT	0.54	13.1	B	EB	LT	0.54	13.1	B		EB	LT	0.58	15.4	B	
43rd Street (NB)	WB	TR	0.64	15.0	B	WB	TR	0.67	16.1	B		WB	TR	0.72	19.3	B	
	NB	LTR	0.88	46.4	D	NB	LTR	1.04	76.1	E	*	NB	LTR	0.94	48.4	D	
35th Avenue (EB-WB) &	EB	LT	0.52	14.5	B	EB	LT	0.54	15	B		EB	LT	0.54	15.0	B	
37th Street (NB)	WB	TR	0.56	10.2	B	WB	TR	0.61	10.4	B		WB	TR	0.61	10.2	B	
	NB	LTR	0.90	40.3	D	NB	LTR	0.80	30.3	C		NB	LTR	0.80	30.0	C	
35th Avenue (EB-WB) &	EB	TR	0.75	15.5	B	EB	TR	0.66	11.3	B		EB	TR	0.69	12.9	B	
38th Street (SB)	WB	LT	0.71	21.6	C	WB	LT	0.76	23.9	C		WB	LT	0.81	28.6	C	
	SB	LTR	0.78	27.4	C	SB	LTR	0.99	54.2	D	*	SB	LTR	0.94	42.2	D	
35th Avenue (EB-WB) &	EB	LTR	1.39	226.8	F	EB	LTR	1.60	316.9	F	*	EB	LTR	1.55	294.1	F	*
Steinway Street (NB-SB)	WB	LTR	0.71	37.6	D	WB	LTR	1.65	340.8	F	*	WB	LT	1.15	127.4	F	
												WB	R	0.29	23.4	C	
												WB	LTR	-	111.3	F	*
	NB	LTR	0.60	16.9	B	NB	LTR	0.71	21.0	C		NB	LTR	0.77	26.9	C	
	SB	LTR	0.53	15.1	B	SB	LTR	0.60	16.9	B		SB	LT	0.53	17.6	B	
												SB	R	0.22	13.3	B	
												SB	LTR	-	16.8	B	
35th Avenue (EB-WB) &	EB	LT	0.50	12.2	B	EB	LT	0.62	15.0	B		EB	LT	0.71	21.5	C	
41st Street (NB)	WB	TR	0.48	9.5	A	WB	TR	0.54	8.5	A		WB	TR	0.62	11.8	B	
	NB	LTR	0.30	17.3	B	NB	LTR	1.12	107.1	F	*	NB	LTR	0.83	33.5	C	
35th Avenue (EB-WB) &	EB	TR	0.49	8.9	A	EB	TR	0.78	16.8	B		EB	TR	0.67	11.7	B	
42nd Street (SB)	WB	LT	0.33	8.2	A	WB	LT	0.51	11.0	B		WB	LT	0.50	10.7	B	
	SB	LTR	0.61	21.4	C	SB	LTR	0.85	37.2	D		SB	LTR	0.85	37.2	D	
35th Avenue (EB-WB) &	EB	L	0.48	9.9	A	EB	L	0.62	12.0	B		EB	L	0.62	13.1	B	
43rd Street (NE)	WB	TR	0.36	14.2	B	WB	TR	0.44	15.3	B		WB	TR	0.44	15.4	B	
	NE	LT	0.47	15.8	B	NE	LT	0.76	17.8	B		NE	LT	0.76	19.7	B	
36th Avenue (EB-WB) &	EB	LT	0.60	14.5	B	EB	LT	0.63	15.3	B		EB	LT	0.63	15.3	B	
37th Street (NB)	WB	TR	0.35	11.4	B	WB	TR	0.58	14.6	B		WB	TR	0.58	14.3	B	
	NB	LTR	0.49	19.2	B	NB	LTR	0.51	19.9	B		NB	LTR	0.51	19.4	B	
36th Avenue (EB-WB) &	EB	TR	0.47	4.3	A	EB	TR	0.50	4.4	A		EB	TR	0.50	4.3	A	
38th Street (SB)	WB	LT	0.34	8.9	A	WB	LT	0.42	9.7	A		WB	LT	0.42	9.1	A	
	SB	LTR	0.67	22.4	C	SB	LTR	0.97	42.8	D		SB	LTR	0.97	43.8	D	
36th Avenue (EB-WB) &	EB	LTR	1.20	157.0	F	EB	LTR	1.79	411.5	F	*	EB	LTR	1.72	378.2	F	*
Steinway Street (NB-SB)	WB	LTR	0.67	47.5	D	WB	LTR	0.76	54.4	D	*	WB	LTR	0.74	51.7	D	
	NB	LTR	0.37	16.0	B	NB	LTR	0.46	18.3	B		NB	LTR	0.47	18.8	B	
	SB	LTR	0.36	12.1	B	SB	LTR	0.54	15.6	B		SB	LTR	0.55	16.3	B	
Northern Boulevard (EB-WB) &	EB	LT	0.51	19.1	B	EB	LT	0.53	19.6	B		EB	LT	0.54	20.3	C	
Queensboro Bridge (SB)	WB	T	0.47	35.4	D	WB	T	0.48	35.8	D		WB	T	0.49	37.4	D	
	WB	R	1.07	61.4	E	WB	R	1.10	71.1	E	*	WB	R	1.07	61.4	E	
	SB	L	1.02	70.0	E	SB	L	1.05	77.8	E	*	SB	L	1.03	70.0	E	
Northern Boulevard (EB-WB) &	EB	TR	0.89	20.0	C	EB	TR	0.92	22.0	C		EB	TR	0.92	21.4	C	
40th Road (SB) &	WB	L	-	-		WB	L	-	-			WB	L	-	-		
Driveway (NB)	WB	T	0.67	16.8	B	WB	T	0.69	17.5	B		WB	T	0.69	17.5	B	
	NB	LTR	0.04	37.3	D	NB	LTR	0.04	37.3	D		NB	LTR	0.04	37.3	D	
	SB	LTR	0.93	86.0	F	SB	LTR	0.93	86.0	F		SB	LTR	0.93	86.0	F	

Intersections	No-Action PM Peak Hour					With-Action PM Peak Hour						Mitigation PM Peak Hour					
	Approach	Lane Group	V/C Ratio	Delay (sec/veh)	LOS	Approach	Lane Group	V/C Ratio	Delay (sec/veh)	LOS		Approach	Lane Group	V/C Ratio	Delay (sec/veh)	LOS	
Northern Boulevard (EB-WB) &	EB	L	0.46	48.5	D	EB	L	0.46	48.6	D		EB	L	0.46	48.5	D	
40th Avenue &	EB	T	0.94	16.0	B	EB	T	0.97	19.0	B		EB	T	0.97	18.9	B	
31st Street (SB)	WB	T	0.57	5.7	A	WB	T	0.59	5.9	A		WB	T	0.59	5.9	A	
	WB	R	0.20	0.3	A	WB	R	0.20	0.3	A		WB	R	0.20	0.3	A	
	SB	TR	0.48	37.4	D	SB	TR	0.48	37.4	D		SB	TR	0.48	37.4	D	
Northern Boulevard (EB-WB) &	EB	LTR	1.03	26.2	C	EB	LTR	1.06	37.4	D		EB	LTR	1.06	37.4	D	
39th Avenue &	WB	TR	0.61	38.7	D	WB	TR	0.63	39.0	D		WB	TR	0.63	39.0	D	
Honeywell Street (NB)	NB	L	0.61	48.1	D	NB	L	0.61	48.1	D		NB	L	0.61	48.1	D	
	NB	TR	1.14	136.5	F	NB	TR	1.14	136.5	F		NB	TR	1.14	136.5	F	
Northern Boulevard (EB-WB) &	EB	T	0.90	34.7	C	EB	T	0.93	36.4	D		EB	T	0.93	36.4	D	
34th Street (SB)	WB	T	0.57	12.6	B	WB	T	0.59	13.0	B		WB	T	0.59	13.7	B	
	SB	LR	0.48	43.8	D	SB	LR	0.48	43.8	D		SB	LR	0.48	43.8	D	
Northern Boulevard (EB-WB) &	EB	L	0.67	10.2	B	EB	L	0.70	10.6	B		EB	L	0.70	10.6	B	
35th Street &	EB	T	0.83	3.9	A	EB	T	0.87	4.2	A		EB	T	0.87	4.2	A	
38th Avenue (SB)	WB	TR	0.65	11.6	B	WB	TR	0.67	12.2	B		WB	TR	0.67	11.8	B	
	SB	LTR	1.19	161.2	F	SB	LTR	1.19	161.2	F		SB	LTR	1.19	161.2	F	
Northern Boulevard (EB-WB) &	EB	T	0.94	17.4	B	EB	T	0.97	19.7	B		EB	T	0.97	19.7	B	
36th Street (SB)	WB	T	0.59	11.5	B	WB	T	0.62	11.3	B		WB	T	0.62	10.9	B	
	SB	LR	0.29	38.6	D	SB	LR	0.24	37.6	D		SB	LR	0.24	37.6	D	
Northern Boulevard (EB-WB) &	EB	L	0.52	4.2	A	EB	L	0.58	5.1	A		EB	L	0.60	5.7	A	
37th Street (SB) &	EB	TR	0.90	4.7	A	EB	TR	0.93	5.4	A		EB	TR	0.94	6.2	A	
Standard Lane (NB)	WB	LT	0.60	9.7	A	WB	LT	0.63	9.9	A		WB	LT	0.64	11.6	B	
	NB	LTR	0.02	34.0	C	NB	LTR	0.02	34.0	C		NB	LTR	0.02	33.3	C	
	SB	LTR	1.02	103.2	F	SB	LTR	1.07	118.5	F	*	SB	LTR	1.03	105.9	F	
Northern Boulevard (EB-WB) &	EB	T	1.05	42.4	D	EB	T	1.08	51.9	D	*	EB	T	1.06	46.4	D	
38th Street (SB)	WB	T	0.65	15.0	B	WB	T	0.66	15.0	B		WB	T	0.65	14.1	B	
	SB	LR	0.71	53.1	D	SB	LR	0.80	52.7	D		SB	L	0.55	44.7	D	
												SB	R	0.39	41.4	D	
												SB	LR	-	43.4	D	
Northern Boulevard (EB-WB) &	EB	L	0.66	9.3	A	EB	L	0.74	7.5	A		EB	L	0.74	12.8	B	
39th Street (NB) &	EB	TR	1.16	82.5	F	EB	TR	1.21	102.7	F	*	EB	TR	1.21	104.6	F	*
Steinway Street (SB)	WB	L	1.38	259.3	F	WB	L	1.43	280.3	F	*	WB	L	1.43	280.3	F	*
	WB	TR	1.04	58.2	E	WB	TR	1.04	58.9	E		WB	TR	1.04	58.9	E	
	NB	L	0.69	55.2	E	NB	L	0.69	49.8	D		NB	L	0.69	55.8	E	
	NB	TR	1.29	193.9	F	NB	TR	1.73	379.2	F	*	NB	TR	1.73	385.0	F	*
	SB	LTR	1.22	179.0	F	SB	LTR	1.62	337.2	F	*	SB	LTR	1.62	338.3	F	*
Northern Boulevard (EB-WB) &	EB	L	0.39	4.7	A	EB	L	0.80	11.5	B		EB	L	0.80	11.4	B	
41st Street (SB)	EB	T	0.91	9.0	A	EB	T	0.92	10.4	B		EB	T	0.92	10.4	B	
	WB	TR	0.55	13.4	B	WB	TR	0.55	12.9	B		WB	TR	0.55	13.6	B	
	SB	LR	0.45	42.0	D	SB	LR	0.45	42.0	D		SB	LR	0.45	42.0	D	
Northern Boulevard (EB-WB) &	EB	TR	1.03	32.4	C	EB	TR	1.04	34.9	C		EB	TR	1.04	34.9	C	
42nd Street (SB) &	WB	L	0.26	11.5	B	WB	L	0.26	11.5	B		WB	L	0.26	12.0	B	
Driveway (NB)	WB	T	0.64	12.8	B	WB	T	0.68	13.6	B		WB	T	0.68	14.3	B	
	NB	LTR	0.53	46.3	D	NB	LTR	0.55	47.2	D		NB	LTR	0.57	48.2	D	
	SB	LTR	0.82	63.3	E	SB	LTR	1.23	166.0	F	*	SB	L	0.93	78.2	E	
												SB	TR	0.46	41.9	D	
												SB	LTR	-	63.6	E	
Northern Boulevard (EB-WB) &	EB	LTR	1.15	82.1	F	EB	LTR	1.41	198.7	F	*	EB	LTR	1.41	198.9	F	*
43rd Street &	WB	L	1.14	126.8	F	WB	L	1.14	117.4	F		WB	L	1.14	117.4	F	
42nd Place (NB)	WB	TR	1.09	74.1	E	WB	TR	1.19	110.5	F	*	WB	TR	1.19	110.4	F	*
	NB	LTR	1.03	99.7	F	NB	LTR	1.09	118.0	F	*	NB	L	0.32	39.0	D	
												NB	TR	0.85	65.0	E	
												NB	LTR	-	57.4	E	
Northern Boulevard (EB-WB) &	EB	L	0.08	1.7	A	EB	L	0.10	1.9	A		EB	L	0.10	1.9	A	
44th Street (SB) &	EB	TR	1.01	13.4	B	EB	TR	1.02	18.5	B		EB	TR	1.02	18.7	B	
35th Avenue	WB	TR	0.69	20.7	C	WB	TR	0.77	22.7	C		WB	TR	0.77	22.9	C	
	SB	LTR	1.27	202.0	F	SB	LTR	1.49	292.9	F	*	SB	LTR	1.49	292.9	F	*

Intersections	No-Action PM Peak Hour					With-Action PM Peak Hour						Mitigation PM Peak Hour					
	Approach	Lane Group	V/C Ratio	Delay (sec/veh)	LOS	Approach	Lane Group	V/C Ratio	Delay (sec/veh)	LOS		Approach	Lane Group	V/C Ratio	Delay (sec/veh)	LOS	
Northern Boulevard (EB-WB) &	EB	T	0.94	10.4	B	EB	T	0.95	11.7	B		EB	T	0.95	11.7	B	
46th Street (SB)	WB	T	0.63	10.6	B	WB	T	0.68	10.7	B		WB	T	0.68	10.7	B	
	SB	LR	0.55	45.3	D	SB	LR	0.64	49.4	D		SB	L	0.22	36.4	D	
												SB	R	0.54	47.6	D	
												SB	LR	-	43.1	D	
Northern Boulevard (EB-WB) &	EB	TR	1.20	99.5	F	EB	TR	1.24	117.4	F	*	EB	TR	1.24	117.4	F	*
48th Street (NB) &	WB	L	1.13	137.2	F	WB	L	1.13	133.8	F		WB	L	1.13	133.8	F	
34th Avenue	WB	TR	1.16	89.9	F	WB	TR	1.25	128.9	F	*	WB	TR	1.25	128.9	F	*
	NB	L	1.48	289.4	F	NB	L	1.53	312.5	F	*	NB	L	1.53	312.5	F	*
	NB	TR	1.09	128.6	F	NB	TR	1.09	128.6	F		NB	TR	1.09	128.6	F	
Northern Boulevard (EB-WB) &	EB	L	1.24	148.2	F	EB	L	1.29	171.6	F	*	EB	L	1.29	172.8	F	*
51st Street (SB) &	EB	TR	1.14	71.6	E	EB	TR	1.15	76.6	E	*	EB	TR	1.15	77.0	E	*
Woodside Avenue (NB)	WB	L	0.34	32.2	C	WB	L	0.34	32.2	C		WB	L	0.34	32.2	C	
	WB	TR	0.69	29.4	C	WB	TR	0.71	30.1	C		WB	TR	0.71	30.1	C	
	NB	LTR	1.11	119.6	F	NB	LTR	1.11	119.6	F		NB	LTR	1.11	119.6	F	
	SB	LT	0.45	32.2	C	SB	LT	0.45	32.2	C		SB	LT	0.45	32.2	C	
	SB	R	0.67	41.3	D	SB	R	0.81	51.6	D	*	SB	R	0.81	51.6	D	*
Skillman Avenue (WB) &	WB	LT	0.31	12.4	B	WB	LT	0.31	12.4	B		WB	LT	0.36	14.8	B	
39th Street (NB-SB)	WB	R	0.28	13.1	B	WB	R	0.34	13.9	B		WB	R	0.39	16.9	B	
	NB	LT	1.00	53.9	D	NB	LT	1.27	152.4	F	*	NB	LT	0.96	42.6	D	
	SB	T	0.82	14.7	B	SB	T	0.89	14.6	B		SB	T	0.80	10.8	B	
	SB	R	0.33	8.1	A	SB	R	0.38	7.7	A		SB	R	0.34	6.4	A	
43rd Avenue (EB) &	EB	LT	0.41	13.4	B	EB	LT	0.46	14.0	B		EB	LT	0.52	16.9	B	
39th Street (NB-SB)	EB	R	0.06	10.7	B	EB	R	0.06	10.7	B		EB	R	0.07	12.7	B	
	NB	TR	0.68	20.6	C	NB	TR	0.73	22.9	C		NB	TR	0.66	17.5	B	
	SB	LT	1.51	262.5	F	SB	LT	1.77	377.9	F	*	SB	LT	1.47	242.2	F	
Greenpoint Avenue (EB-WB) &	EB	LTR	0.59	27.9	C	EB	LTR	0.67	31.1	C		EB	LTR	0.67	31.1	C	
39th Street (NB-SB)	WB	LT	0.18	13.5	B	WB	LT	0.20	13.7	B		WB	LT	0.20	13.7	B	
	WB	R	0.06	12.3	B	WB	R	0.06	12.3	B		WB	R	0.06	12.3	B	
	NB	LTR	0.18	27.2	C	NB	LTR	0.18	27.2	C		NB	LTR	0.18	27.2	C	
	SB	LTR	0.70	41.2	D	SB	LTR	0.75	44.4	D		SB	LTR	0.75	44.4	D	
Greenpoint Avenue (EB-WB) &	EB	TR	0.65	36.6	D	EB	TR	0.72	39.8	D		EB	TR	0.72	39.8	D	
38th Street (SB)	WB	LT	0.32	17.6	B	WB	LT	0.37	18.9	B		WB	LT	0.37	18.9	B	
	SB	LTR	0.56	35.7	D	SB	LTR	0.60	37.2	D		SB	LTR	0.60	37.2	D	
Greenpoint Avenue (EB-WB) &	EB	LT	0.32	8.0	A	EB	LT	0.32	8.1	A		EB	LT	0.32	8.1	A	
Hunters Point Avenue (NW-SE)	WB	TR	0.53	18.9	B	WB	TR	0.60	19.9	B		WB	TR	0.60	19.9	B	
	SE	LTR	0.88	55.1	E	SE	LTR	0.98	76.8	E	*	SE	LTR	0.98	76.8	E	*
	NW	LTR	0.99	59.5	E	NW	LTR	1.06	82.2	F	*	NW	LTR	1.06	82.2	F	*
Greenpoint Avenue (NE-SW) &	WB	LTR	0.67	24.9	C	WB	LTR	0.67	24.9	C		WB	LTR	0.67	24.9	C	
Queens Midtown Expressway (WB)	NE	LT	0.34	7.8	A	NE	LT	0.34	7.8	A		NE	LT	0.34	7.8	A	
	SW	TR	0.53	21.1	C	SW	TR	0.57	21.5	C		SW	TR	0.57	21.5	C	
Greenpoint Avenue (NE-SW) &	EB	LTR	0.98	55.5	E	EB	LTR	0.98	55.5	E		EB	LTR	0.98	55.5	E	
Borden Avenue (EB)	NE	T	0.67	53.4	D	NE	T	0.67	53.4	D		NE	T	0.67	53.4	D	
	NE	R	1.10	123.3	F	NE	R	1.10	123.3	F		NE	R	1.10	123.3	F	
	SW	L	1.04	82.3	F	SW	L	1.11	105.8	F	*	SW	L	1.11	105.8	F	*
	SW	T	0.72	23.8	C	SW	T	0.72	23.1	C		SW	T	0.72	23.1	C	
Unsignalized																	
36th Avenue (EB-WB) &	EB	LR	-	8.8	A	EB	LR	-	11.1	B		EB	LR	-	11.1	B	
41st Street (NB)	WB	LTR	-	9.8	A	WB	LTR	-	12.9	B		WB	LTR	-	12.9	B	
(All-Way Stop Controlled)	NB	LT	-	8.9	A	NB	LT	-	10.6	B		NB	LT	-	10.6	B	
Northern Boulevard (EB-WB) &	EB	L	0.05	13.1	B	EB	L	0.05	14.9	B		EB	L	0.05	14.9	B	
36th Avenue (NB-SB) & Driveway (NB)	WB	L	0.01	11.7	B	WB	L	0.01	11.7	B		WB	L	0.01	11.7	B	
	NB	LTR	0.05	11.6	B	NB	LTR	0.05	11.7	B		NB	LTR	0.05	11.7	B	
Northern Boulevard (EB-WB) &	EB	L	0.01	0.3	A	EB	L	0.01	0.4	A		EB	L	0.01	0.4	A	
Newtown Road (SB)	SB	R	0.03	10.6	B	SB	R	0.03	10.7	B		SB	R	0.03	10.7	B	
Hunters Point Avenue (WB) &	SB	R	0.04	12.9	B	SB	R	0.05	13.4	B		SB	R	0.05	13.4	B	
38th Street (SB)																	
Queens Midtown Expressway (WB) &	SB	R	0.08	12.8	B	SB	R	0.09	13.3	B		SB	R	0.09	13.3	B	
39th Street (SB)																	

* Denotes a significant adverse impact.

TABLE G-4

WITH ACTION WITH MITIGATION INTERSECTION LEVEL OF SERVICE ANALYSIS (SAT PEAK HOUR)

	No-Action SAT Peak Hour					With-Action SAT Peak Hour						Mitigation SAT Peak Hour					
Intersections	Approach	Lane Group	V/C Ratio	Delay (sec/veh)	LOS	Approach	Lane Group	V/C Ratio	Delay (sec/veh)	LOS		Approach	Lane Group	V/C Ratio	Delay (sec/veh)	LOS	
Signalized																	
Broadway (EB-WB) &	EB	LT	0.86	28.4	C	EB	LT	0.86	28.9	C		EB	LT	0.95	43.9	D	
43rd Street (NB)	WB	TR	0.77	21.5	C	WB	TR	0.76	20.9	C		WB	TR	0.82	26.2	C	
	NB	LTR	1.28	174.5	F	NB	LTR	1.51	271.9	F	*	NB	LTR	1.30	175.0	F	
34th Avenue (EB-WB) &	EB	TR	0.65	15.6	B	EB	TR	0.67	16.1	B		EB	TR	0.67	16.1	B	
38th Street (SB)	WB	LT	0.57	13.7	B	WB	LT	0.59	14.1	B		WB	LT	0.59	14.1	B	
	SB	LTR	0.69	26.9	C	SB	LTR	0.78	32.3	C		SB	LTR	0.78	32.3	C	
34th Avenue (EB-WB) &	EB	LT	0.67	16.2	B	EB	LT	0.68	16.8	B		EB	LT	0.68	16.8	B	
41st Street (NB)	WB	TR	0.60	14.1	B	WB	TR	0.62	14.8	B		WB	TR	0.62	14.8	B	
	NB	LTR	0.44	22.5	C	NB	LTR	0.63	19.5	B		NB	LTR	0.63	22.0	C	
34th Avenue (EB-WB) &	EB	LT	0.62	15.0	B	EB	LT	0.62	15.0	B		EB	LT	0.66	17.8	B	
43rd Street (NB)	WB	TR	0.64	15.1	B	WB	TR	0.66	15.7	B		WB	TR	0.71	18.8	B	
	NB	LTR	0.82	42.3	D	NB	LTR	0.99	62.0	E	*	NB	LTR	0.89	39.8	D	
35th Avenue (EB-WB) &	EB	LT	0.49	13.9	B	EB	LT	0.50	14.1	B		EB	LT	0.50	14.1	B	
37th Street (NB)	WB	TR	0.59	10.7	B	WB	TR	0.64	11.5	B		WB	TR	0.64	11.5	B	
	NB	LTR	0.73	30.2	C	NB	LTR	0.49	21.9	C		NB	LTR	0.49	22.0	C	
35th Avenue (EB-WB) &	EB	TR	0.78	18.0	B	EB	TR	0.61	10.2	B		EB	TR	0.61	10.2	B	
38th Street (SB)	WB	LT	1.09	90.6	F	WB	LT	0.74	22.6	C		WB	LT	0.74	22.6	C	
	SB	LTR	0.70	25.4	C	SB	LTR	0.84	33.7	C		SB	LTR	0.84	33.7	C	
35th Avenue (EB-WB) &	EB	LTR	1.34	205.1	F	EB	LTR	1.48	265.8	F	*	EB	LTR	1.51	279.6	F	*
Steinway Street (NB-SB)	WB	LTR	0.78	42.3	D	WB	LTR	1.70	363.4	F	*	WB	LT	1.31	191.2	F	
												WB	R	0.19	21.1	C	
												WB	LTR	-	173.2	F	*
	NB	LTR	0.79	24.3	C	NB	LTR	0.84	28.7	C		NB	LTR	0.91	39.6	D	
	SB	LTR	0.49	14.2	B	SB	LTR	0.53	15.2	B		SB	LT	0.48	16.3	B	
												SB	R	0.19	12.8	B	
												SB	LTR	-	15.7	B	
35th Avenue (EB-WB) &	EB	LT	0.39	10.5	B	EB	LT	0.47	11.8	B		EB	LT	0.53	14.8	B	
41st Street (NB)	WB	TR	0.44	7.6	A	WB	TR	0.47	6.5	A		WB	TR	0.52	8.3	A	
	NB	LTR	0.28	17.1	B	NB	LTR	1.06	86.8	F	*	NB	LTR	0.82	33.2	C	
35th Avenue (EB-WB) &	EB	TR	0.44	8.0	A	EB	TR	0.73	15.7	B		EB	TR	0.61	10.1	B	
42nd Street (SB)	WB	LT	0.34	6.2	A	WB	LT	0.52	8.6	A		WB	LT	0.50	8.9	A	
	SB	LTR	0.62	21.6	C	SB	LTR	0.73	26.5	C		SB	LTR	0.73	26.5	C	
35th Avenue (EB-WB) &	EB	L	0.34	6.8	A	EB	L	0.43	9.0	A		EB	L	0.43	8.6	A	
43rd Street (NE)	WB	TR	0.38	11.5	B	WB	TR	0.44	11.8	B		WB	TR	0.44	11.9	B	
	NE	LT	0.43	13.8	B	NE	LT	0.73	19.5	B		NE	LT	0.73	20.2	C	
36th Avenue (EB-WB) &	EB	LT	0.46	11.7	B	EB	LT	0.44	11.3	B		EB	LT	0.44	11.3	B	
37th Street (NB)	WB	TR	0.47	7.5	A	WB	TR	0.65	10.3	B		WB	TR	0.65	10.4	B	
	NB	LTR	0.33	17.5	B	NB	LTR	0.31	17.5	B		NB	LTR	0.31	17.7	B	
36th Avenue (EB-WB) &	EB	TR	0.37	6.0	A	EB	TR	0.42	6.2	A		EB	TR	0.41	6.2	A	
38th Street (SB)	WB	LT	0.42	7.8	A	WB	LT	0.49	8.4	A		WB	LT	0.49	8.3	A	
	SB	LTR	0.62	20.6	C	SB	LTR	0.83	33.1	C		SB	LTR	0.83	33.1	C	
36th Avenue (EB-WB) &	EB	LTR	1.15	138.3	F	EB	LTR	1.62	331.6	F	*	EB	LTR	1.62	331.6	F	*
Steinway Street (NB-SB)	WB	LTR	0.72	50.0	D	WB	LTR	0.76	53.9	D		WB	LTR	0.76	53.9	D	
	NB	LTR	0.49	2.9	A	NB	LTR	0.55	4.5	A		NB	LTR	0.55	4.5	A	
	SB	LTR	0.45	13.3	B	SB	LTR	0.68	19.2	B		SB	LTR	0.68	19.2	B	
Northern Boulevard (EB-WB) &	EB	LT	0.46	18.2	B	EB	LT	0.48	18.6	B		EB	LT	0.49	19.4	B	
Queensboro Bridge (SB)	WB	T	0.38	19.8	B	WB	T	0.41	19.9	B		WB	T	0.42	19.9	B	
	WB	R	1.12	103.1	F	WB	R	1.14	112.0	F	*	WB	R	1.12	101.3	F	
	SB	L	0.89	45.9	D	SB	L	0.92	48.7	D		SB	L	0.90	45.7	D	
Northern Boulevard (EB-WB) &	EB	TR	0.77	29.2	C	EB	TR	0.79	30.5	C		EB	TR	0.79	30.6	C	
40th Road (SB) &	WB	L	0.06	7.0	A	WB	L	0.06	6.7	A		WB	L	0.06	6.7	A	
Driveway (NB)	WB	T	0.84	18.9	B	WB	T	0.86	19.3	B		WB	T	0.86	19.3	B	
	NB	LTR	-	-		NB	LTR	-	-			NB	LTR	-	-		
	SB	LTR	0.67	55.9	E	SB	LTR	0.67	55.9	E		SB	LTR	0.67	55.9	E	

Intersections	No-Action SAT Peak Hour					With-Action SAT Peak Hour					Mitigation SAT Peak Hour				
	Approach	Lane Group	V/C Ratio	Delay (sec/veh)	LOS	Approach	Lane Group	V/C Ratio	Delay (sec/veh)	LOS	Approach	Lane Group	V/C Ratio	Delay (sec/veh)	LOS
Northern Boulevard (EB-WB) &	EB	L	0.50	37.1	D	EB	L	0.50	37.0	D	EB	L	0.50	37.0	D
40th Avenue &	EB	T	0.75	17.7	B	EB	T	0.78	17.5	B	EB	T	0.78	17.5	B
31st Street (SB)	WB	T	0.72	10.2	B	WB	T	0.74	10.2	B	WB	T	0.74	10.2	B
	WB	R	0.16	0.2	A	WB	R	0.16	0.2	A	WB	R	0.16	0.2	A
	SB	TR	0.49	37.4	D	SB	TR	0.49	37.4	D	SB	TR	0.49	37.4	D
Northern Boulevard (EB-WB) &	EB	LTR	0.73	10.5	B	EB	LTR	0.76	11.7	B	EB	LTR	0.76	11.7	B
39th Avenue &	WB	TR	0.66	14.7	B	WB	TR	0.68	15.3	B	WB	TR	0.68	15.3	B
Honeywell Street (NB)	NB	L	1.05	107.8	F	NB	L	1.05	107.8	F	NB	L	1.05	107.8	F
	NB	TR	1.04	106.2	F	NB	TR	1.04	106.2	F	NB	TR	1.04	106.2	F
Northern Boulevard (EB-WB) &	EB	T	0.50	12.1	B	EB	T	0.52	12.5	B	EB	T	0.52	12.5	B
34th Street (SB)	WB	T	0.62	14.1	B	WB	T	0.65	14.4	B	WB	T	0.65	14.4	B
	SB	LR	0.43	43.4	D	SB	LR	0.43	43.4	D	SB	LR	0.43	43.4	D
Northern Boulevard (EB-WB) &	EB	L	0.50	14.9	B	EB	L	0.53	17.6	B	EB	L	0.53	17.6	B
35th Street &	EB	T	0.50	2.2	A	EB	T	0.53	2.2	A	EB	T	0.53	2.2	A
38th Avenue (SB)	WB	TR	0.69	11.4	B	WB	TR	0.71	11.4	B	WB	TR	0.71	11.4	B
	SB	LTR	0.68	55.3	E	SB	LTR	0.68	55.3	E	SB	LTR	0.68	55.3	E
Northern Boulevard (EB-WB) &	EB	T	0.56	7.9	A	EB	T	0.58	7.9	A	EB	T	0.58	7.9	A
36th Street (SB)	WB	T	0.64	6.3	A	WB	T	0.67	6.8	A	WB	T	0.67	6.8	A
	SB	LR	0.25	39.3	D	SB	LR	0.19	38.2	D	SB	LR	0.19	38.2	D
Northern Boulevard (EB-WB) &	EB	L	0.64	20.8	C	EB	L	0.64	22.5	C	EB	L	0.64	22.5	C
37th Street (SB) &	EB	TR	0.59	2.4	A	EB	TR	0.62	2.6	A	EB	TR	0.62	2.6	A
Standard Lane (NB)	WB	LT	0.69	6.2	A	WB	LT	0.73	6.5	A	WB	LT	0.73	6.9	A
	NB	LTR	-	-		NB	LTR	-	-		NB	LTR	-	-	
	SB	LTR	0.70	51.2	D	SB	LTR	0.71	52.0	D	SB	LTR	0.71	52.0	D
Northern Boulevard (EB-WB) &	EB	T	0.63	8.7	A	EB	T	0.66	8.8	A	EB	T	0.66	8.8	A
38th Street (SB)	WB	T	0.67	3.9	A	WB	T	0.69	4.8	A	WB	T	0.69	4.8	A
	SB	LR	0.71	63.3	E	SB	LR	0.79	67.2	E	SB	L	0.44	54.1	D
											SB	R	0.47	55.3	E
											SB	LR	-	54.7	D
Northern Boulevard (EB-WB) &	EB	L	1.03	99.3	F	EB	L	1.11	123.3	F *	EB	L	1.11	125.6	F *
39th Street (NB) &	EB	TR	0.90	20.3	C	EB	TR	0.95	27.0	C	EB	TR	0.95	27.8	C
Steinway Street (SB)	WB	L	1.40	227.7	F	WB	L	1.76	385.0	F *	WB	L	1.76	385.0	F *
	WB	TR	0.78	6.7	A	WB	TR	0.78	6.9	A	WB	TR	0.78	7.2	A
	NB	L	0.31	35.1	D	NB	L	0.31	34.5	C	NB	L	0.31	34.5	C
	NB	TR	1.15	131.9	F	NB	TR	1.38	222.2	F *	NB	TR	1.38	222.2	F *
	SB	LTR	1.29	201.1	F	SB	LTR	1.62	333.5	F *	SB	LTR	1.62	333.5	F *
Northern Boulevard (EB-WB) &	EB	L	0.24	6.8	A	EB	L	0.85	14.4	B	EB	L	0.85	14.2	B
41st Street (SB)	EB	T	0.57	6.2	A	EB	T	0.58	6.8	A	EB	T	0.58	6.8	A
	WB	TR	0.69	10.7	B	WB	TR	0.69	10.9	B	WB	TR	0.69	8.4	A
	SB	LR	0.33	40.3	D	SB	LR	0.34	40.5	D	SB	LR	0.34	40.5	D
Northern Boulevard (EB-WB) &	EB	TR	0.59	11.0	B	EB	TR	0.59	10.9	B	EB	TR	0.63	14.4	B
42nd Street (SB) &	WB	L	0.18	16.1	B	WB	L	0.18	15.9	B	WB	L	0.20	19.4	B
Driveway (NB)	WB	T	0.66	27.3	C	WB	T	0.69	28.0	C	WB	T	0.73	33.6	C
	NB	LTR	0.78	72.4	E	NB	LTR	0.77	71.2	E	NB	LTR	0.81	76.2	E
	SB	LTR	1.12	133.2	F	SB	LTR	1.67	358.9	F *	SB	L	1.00	95.1	F
											SB	TR	0.61	44.9	D
											SB	LTR	-	71.9	E
Northern Boulevard (EB-WB) &	EB	LTR	0.87	31.0	C	EB	LTR	1.27	153.3	F *	EB	LTR	1.27	157.3	F *
43rd Street &	WB	L	1.26	154.4	F	WB	L	1.48	241.4	F *	WB	L	1.48	239.6	F *
42nd Place (NB)	WB	TR	0.91	20.1	C	WB	TR	0.98	24.5	C	WB	TR	0.98	22.7	C
	NB	LTR	1.13	134.6	F	NB	LTR	1.18	151.6	F *	NB	L	0.35	41.1	D
											NB	TR	0.91	76.2	E
											NB	LTR	-	65.9	E
Northern Boulevard (EB-WB) &	EB	L	0.21	4.7	A	EB	L	0.26	3.6	A	EB	L	0.29	5.7	A
44th Street (SB) &	EB	TR	0.66	4.7	A	EB	TR	0.67	4.0	A	EB	TR	0.70	6.6	A
35th Avenue	WB	TR	0.79	19.5	B	WB	TR	0.86	21.4	C	WB	TR	0.90	26.3	C
	SB	LTR	1.54	316.2	F	SB	LTR	1.80	431.3	F *	SB	LTR	1.55	316.1	F

Intersections	No-Action SAT Peak Hour					With-Action SAT Peak Hour						Mitigation SAT Peak Hour					
	Approach	Lane Group	V/C Ratio	Delay (sec/veh)	LOS	Approach	Lane Group	V/C Ratio	Delay (sec/veh)	LOS		Approach	Lane Group	V/C Ratio	Delay (sec/veh)	LOS	
Northern Boulevard (EB-WB) &	EB	T	0.66	6.1	A	EB	T	0.67	5.8	A		EB	T	0.67	3.8	A	
46th Street (SB)	WB	T	0.76	3.6	A	WB	T	0.80	3.9	A		WB	T	0.80	3.9	A	
	SB	LR	0.63	50.1	D	SB	LR	0.73	56.0	E	*	SB	L	0.32	40.8	D	
												SB	R	0.51	47.5	D	
												SB	LR	-	44.5	D	
Northern Boulevard (EB-WB) &	EB	TR	1.19	108.0	F	EB	TR	1.22	122.6	F	*	EB	TR	1.22	122.6	F	*
48th Street (NB) &	WB	L	1.10	97.0	F	WB	L	1.10	97.1	F		WB	L	1.10	97.1	F	
34th Avenue	WB	TR	1.18	86.6	F	WB	TR	1.23	110.1	F	*	WB	TR	1.23	110.1	F	*
	NB	L	1.62	350.6	F	NB	L	1.67	371.6	F	*	NB	L	1.67	371.6	F	*
	NB	TR	1.05	113.6	F	NB	TR	1.05	113.6	F		NB	TR	1.05	113.6	F	
Northern Boulevard (EB-WB) &	EB	L	0.83	44.0	D	EB	L	0.85	46.4	D		EB	L	0.85	46.4	D	
51st Street (SB) &	EB	TR	0.88	38.3	D	EB	TR	0.90	39.0	D		EB	TR	0.90	39.0	D	
Woodside Avenue (NB)	WB	L	0.30	20.1	C	WB	L	0.31	20.7	C		WB	L	0.31	20.7	C	
	WB	TR	0.72	25.1	C	WB	TR	0.73	25.6	C		WB	TR	0.73	25.6	C	
	NB	LTR	1.12	129.3	F	NB	LTR	1.12	129.3	F		NB	LTR	1.12	129.3	F	
	SB	LT	0.49	38.2	D	SB	LT	0.49	38.2	D		SB	LT	0.49	38.2	D	
	SB	R	1.15	137.6	F	SB	R	1.29	192.1	F	*	SB	R	1.29	192.1	F	*
Skillman Avenue (WB) &	WB	LT	0.31	12.5	B	WB	LT	0.31	12.5	B		WB	LT	0.31	12.5	B	
39th Street (NB-SB)	WB	R	0.33	13.6	B	WB	R	0.36	14.1	B		WB	R	0.36	14.1	B	
	NB	LT	0.75	28.4	C	NB	LT	0.87	34.3	C		NB	LT	0.87	36.8	D	
	SB	T	0.72	28.4	C	SB	T	0.78	32.8	C		SB	T	0.78	32.8	C	
	SB	R	0.23	16.8	B	SB	R	0.28	18.1	B		SB	R	0.28	18.2	B	
43rd Avenue (EB) &	EB	LT	0.12	10.9	B	EB	LT	0.15	11.2	B		EB	LT	0.17	13.2	B	
39th Street (NB-SB)	EB	R	0.13	11.4	B	EB	R	0.13	11.4	B		EB	R	0.15	13.5	B	
	NB	TR	0.84	29.2	C	NB	TR	0.88	33.5	C		NB	TR	0.79	22.8	C	
	SB	LT	1.60	297.7	F	SB	LT	1.95	448.6	F	*	SB	LT	1.49	244.9	F	
Greenpoint Avenue (EB-WB) &	EB	LTR	0.58	36.9	D	EB	LTR	0.66	40.1	D		EB	LTR	0.66	39.9	D	
39th Street (NB-SB)	WB	LT	0.24	14.1	B	WB	LT	0.25	14.3	B		WB	LT	0.25	14.3	B	
	WB	R	0.01	11.8	B	WB	R	0.01	11.8	B		WB	R	0.01	11.8	B	
	NB	LTR	0.16	26.8	C	NB	LTR	0.16	26.8	C		NB	LTR	0.16	26.8	C	
	SB	LTR	0.69	40.6	D	SB	LTR	0.75	44.4	D		SB	LTR	0.75	44.4	D	
Greenpoint Avenue (EB-WB) &	EB	TR	0.58	19.6	B	EB	TR	0.63	21.7	C		EB	TR	0.63	21.8	C	
38th Street (SB)	WB	LT	0.47	19.1	B	WB	LT	0.52	19.5	B		WB	LT	0.52	19.5	B	
	SB	LTR	0.43	32.0	C	SB	LTR	0.48	33.4	C		SB	LTR	0.48	33.4	C	
Greenpoint Avenue (EB-WB) &	EB	LT	0.55	22.9	C	EB	LT	0.60	24.9	C		EB	LT	0.65	28.0	C	
Hunters Point Avenue (NW-SE)	WB	TR	0.64	22.2	C	WB	TR	0.72	25.8	C		WB	TR	0.75	28.5	C	
	SE	LTR	0.91	57.9	E	SE	LTR	0.97	71.5	E	*	SE	LTR	0.88	51.9	D	
	NW	LTR	1.13	109.0	F	NW	LTR	1.19	133.8	F	*	NW	LTR	1.13	107.1	F	
Greenpoint Avenue (NE-SW) &	WB	LTR	0.77	25.3	C	WB	LTR	0.77	25.3	C		WB	LTR	0.77	25.3	C	
Queens Midtown Expressway (WB)	NE	LT	0.31	5.1	A	NE	LT	0.31	5.1	A		NE	LT	0.31	5.1	A	
	SW	TR	0.60	20.7	C	SW	TR	0.64	21.4	C		SW	TR	0.64	21.4	C	
Greenpoint Avenue (NE-SW) &	EB	LTR	1.04	67.4	E	EB	LTR	1.04	67.4	E		EB	LTR	1.04	67.4	E	
Borden Avenue (EB)	NE	T	0.55	34.9	C	NE	T	0.55	34.9	C		NE	T	0.55	34.9	C	
	NE	R	1.10	109.9	F	NE	R	1.10	109.9	F		NE	R	1.10	109.9	F	
	SW	L	1.09	83.8	F	SW	L	1.17	111.3	F	*	SW	L	1.17	111.3	F	*
	SW	T	0.47	9.0	A	SW	T	0.47	8.7	A		SW	T	0.47	8.7	A	
Unsignalized																	
36th Avenue (EB-WB) &	EB	LR	-	7.7	A	EB	LR	-	9.7	A		EB	LR	-	9.7	A	
41st Street (NB)	WB	LTR	-	9.3	A	WB	LTR	-	12.2	B		WB	LTR	-	12.2	B	
(All-Way Stop Controlled)	NB	LT	-	8.2	A	NB	LT	-	9.8	A		NB	LT	-	9.8	A	
Northern Boulevard (EB-WB) &	EB	L	0.02	11.9	B	EB	L	0.02	13.4	B		EB	L	0.02	13.2	B	
36th Avenue (NB-SB) & Driveway (NB)	WB	L	0.01	9.8	A	WB	L	0.01	9.9	A		WB	L	0.01	9.9	A	
	NB	LTR	0.01	9.2	A	NB	LTR	0.01	9.2	A		NB	LTR	0.01	9.2	A	
Northern Boulevard (EB-WB) &	EB	L	0.02	0.7	A	EB	L	0.02	0.8	A		EB	L	0.02	0.8	A	
Newtown Road (SB)	SB	R	0.05	11.6	B	SB	R	0.05	11.8	B		SB	R	0.05	11.8	B	
Hunters Point Avenue (WB) &	SB	R	0.05	13.4	B	SB	R	0.05	13.8	B		SB	R	0.05	13.8	B	
38th Street (SB)																	
Queens Midtown Expressway (WB) &	SB	R	0.03	13.4	B	SB	R	0.03	13.8	B		SB	R	0.03	13.8	B	
39th Street (SB)																	

* Denotes a significant adverse impact.

TABLE G-5

WITH-ACTION WITH MITIGATION CONSTRUCTION PEAK HOUR INTERSECTION LEVEL OF SERVICE ANALYSIS (AM PEAK HOUR)

	No-Action AM (6-7) Peak Hour					With-Action AM (6-7) Peak Hour						Mitigation AM (6-7) Peak Hour					
Intersections	Approach	Lane Group	V/C Ratio	Delay (sec/veh)	LOS	Approach	Lane Group	V/C Ratio	Delay (sec/veh)	LOS		Approach	Lane Group	V/C Ratio	Delay (sec/veh)	LOS	
Signalized																	
35th Avenue (EB-WB) &	EB	LTR	0.12	16.4	B	EB	LTR	0.23	18.1	B		EB	LTR	0.23	18.1	B	
Steinway Street (NB-SB)	WB	LTR	0.15	12.0	B	WB	LTR	0.22	17.1	B		WB	LT	0.18	16.4	B	
													R	0.04	14.3	B	
													LTR	-	16.0	B	
	NB	LTR	0.27	12.7	B	NB	LTR	0.33	13.6	B		NB	LTR	0.33	13.6	B	
	SB	LTR	0.66	34.4	C	SB	LTR	0.74	38.6	D		SB	LTR	0.74	38.6	D	
35th Avenue (EB-WB) &	EB	LT	0.08	12.8	B	EB	LT	0.10	12.3	B		EB	LT	0.10	12.3	B	
41st Street (NB)	WB	TR	0.13	3.8	A	WB	TR	0.14	3.7	A		WB	TR	0.14	3.7	A	
	NB	LTR	0.06	14.5	B	NB	LTR	0.23	16.6	B		NB	LTR	0.22	16.5	B	
35th Avenue (EB-WB) &	EB	TR	0.08	5.3	A	EB	TR	0.14	6.2	A		EB	TR	0.13	6.1	A	
42nd Street (SB)	WB	LT	0.12	6.7	A	WB	LT	0.29	5.9	A		WB	LT	0.28	6.0	A	
	SB	LTR	0.19	13.7	B	SB	LTR	0.22	14.0	B		SB	LTR	0.22	14.0	B	
35th Avenue (EB-WB) &	EB	L	0.03	7.4	A	EB	L	0.03	7.4	A		EB	L	0.03	7.4	A	
43rd Street (NE)	WB	TR	0.11	9.1	A	WB	TR	0.23	9.4	A		WB	TR	0.23	9.4	A	
	NE	LT	0.09	4.4	A	NE	LT	0.11	5.7	A		NE	LT	0.11	5.8	A	
36th Avenue (EB-WB) &	EB	LTR	0.24	34.1	C	EB	LTR	0.29	35.1	D		EB	LTR	0.29	35.1	D	
Steinway Street (NB-SB)	WB	LTR	0.22	33.5	C	WB	LTR	0.37	37.0	D		WB	LTR	0.37	37.0	D	
	NB	LTR	0.18	19.2	B	NB	LTR	0.23	19.5	B		NB	LTR	0.23	19.5	B	
	SB	LTR	0.39	2.8	A	SB	LTR	0.52	8.2	A		SB	LTR	0.52	8.2	A	
Northern Boulevard (EB-WB) &	EB	L	0.98	154.0	F	EB	L	1.13	202.9	F	*	EB	L	1.13	202.9	F	*
39th Street (NB) &	EB	TR	0.42	16.6	B	EB	TR	0.43	16.9	B		EB	TR	0.43	16.9	B	
Steinway Street (SB)	WB	L	0.59	6.3	A	WB	L	0.62	7.0	A		WB	L	0.62	7.0	A	
	WB	TR	0.99	14.2	B	WB	TR	0.99	14.8	B		WB	TR	0.99	14.7	B	
	NB	L	0.48	45.4	D	NB	L	0.48	49.0	D		NB	L	0.48	49.0	D	
	NB	TR	0.66	52.1	D	NB	TR	1.19	159.0	F	*	NB	TR	1.19	159.0	F	*
	SB	LTR	1.08	132.4	F	SB	LTR	1.21	179.3	F	*	SB	LTR	1.21	179.3	F	*
Northern Boulevard (EB-WB) &	EB	L	0.17	13.8	B	EB	L	2.46	722.8	F	*	EB	L	2.46	722.8	F	*
41st Street (SB)	EB	T	0.29	8.0	A	EB	T	0.29	9.6	A		EB	T	0.29	9.6	A	
	WB	TR	1.00	14.4	B	WB	TR	1.01	10.7	B		WB	TR	1.01	10.8	B	
	SB	LR	0.09	35.7	D	SB	LR	0.11	36.0	D		SB	LR	0.11	36.0	D	
Northern Boulevard (EB-WB) &	EB	TR	0.32	7.3	A	EB	TR	0.33	6.6	A		EB	TR	0.33	6.6	A	
42nd Street (SB) &	WB	L	0.03	1.2	A	WB	L	0.03	1.1	A		WB	L	0.03	1.3	A	
Driveway (NB)	WB	T	1.02	20.1	C	WB	T	1.09	43.6	D		WB	T	1.09	43.7	D	
	NB	LTR	0.10	35.1	D	NB	LTR	0.10	35.1	D		NB	LTR	0.09	35.1	D	
	SB	LTR	0.38	36.6	D	SB	LTR	0.56	44.1	D		SB	L	0.34	38.2	D	
												SB	TR	0.26	36.1	D	
												SB	LTR	-	37.2	D	
Northern Boulevard (EB-WB) &	EB	LTR	0.42	15.6	B	EB	LTR	0.51	15.1	B		EB	LTR	0.51	15.5	B	
43rd Street &	WB	L	0.31	3.3	A	WB	L	0.33	3.4	A		WB	L	0.33	3.4	A	
42nd Place (NB)	WB	TR	0.99	10.7	B	WB	TR	1.06	34.6	C		WB	TR	1.06	34.6	C	
	NB	LTR	0.39	40.4	D	NB	LTR	0.39	40.5	D		NB	L	0.20	36.7	D	
												NB	TR	0.22	37.2	D	
												NB	LTR	-	36.9	D	
Northern Boulevard (EB-WB) &	EB	L	0.00	0.0	A	EB	L	0.00	0.0	A		EB	L	0.00	0.0	A	
44th Street (SB) &	EB	TR	0.25	8.0	A	EB	TR	0.26	7.9	A		EB	TR	0.26	8.1	A	
35th Avenue	WB	TR	1.05	29.7	C	WB	TR	1.17	83.0	F	*	WB	TR	1.17	84.6	F	*
	SB	LTR	0.73	59.5	E	SB	LTR	0.74	60.4	E		SB	LTR	0.74	60.4	E	
Northern Boulevard (EB-WB) &	EB	T	0.30	12.2	B	EB	T	0.32	11.5	B		EB	T	0.31	11.2	B	
46th Street (SB)	WB	T	1.01	15.9	B	WB	T	1.11	53.1	D	*	WB	T	1.08	37.9	D	
	SB	LR	0.47	44.0	D	SB	LR	0.49	44.6	D		SB	LR	0.52	47.6	D	
Northern Boulevard (EB-WB) &	EB	TR	0.43	4.4	A	EB	TR	0.45	4.3	A		EB	TR	0.45	4.4	A	
48th Street (NB) &	WB	L	0.22	3.3	A	WB	L	0.23	3.1	A		WB	L	0.23	3.1	A	
34th Avenue	WB	TR	1.08	51.5	D	WB	TR	1.18	93.1	F	*	WB	TR	1.18	93.1	F	*
	NB	L	0.15	36.9	D	NB	L	0.17	37.2	D		NB	L	0.17	37.2	D	
	NB	TR	0.43	44.0	D	NB	TR	0.43	44.0	D		NB	TR	0.43	44.0	D	

Intersections	No-Action AM (6-7) Peak Hour					With-Action AM (6-7) Peak Hour						Mitigation AM (6-7) Peak Hour					
	Approach	Lane Group	V/C Ratio	Delay (sec/veh)	LOS	Approach	Lane Group	V/C Ratio	Delay (sec/veh)	LOS		Approach	Lane Group	V/C Ratio	Delay (sec/veh)	LOS	
Northern Boulevard (EB-WB) &	EB	L	0.40	41.5	D	EB	L	0.44	46.2	D		EB	L	0.44	46.2	D	
51st Street (SB) &	EB	TR	0.36	33.7	C	EB	TR	0.38	34.1	C		EB	TR	0.38	34.1	C	
Woodside Avenue (NB)	WB	L	0.05	11.8	B	WB	L	0.05	11.8	B		WB	L	0.05	11.8	B	
	WB	TR	0.87	32.9	C	WB	TR	0.92	37.2	D		WB	TR	0.92	37.2	D	
	NB	LTR	0.64	45.7	D	NB	LTR	0.64	45.7	D		NB	LTR	0.64	45.7	D	
	SB	LT	0.24	33.0	C	SB	LT	0.24	33.0	C		SB	LT	0.24	33.0	C	
	SB	R	1.10	118.1	F	SB	R	1.39	233.8	F	*	SB	R	1.39	233.8	F	*
Skillman Avenue (WB) &	WB	LT	0.32	12.5	B	WB	LT	0.32	12.5	B		WB	LT	0.32	12.5	B	
39th Street (NB-SB)	WB	R	0.13	11.4	B	WB	R	0.16	11.7	B		WB	R	0.16	11.7	B	
	NB	LT	0.49	14.7	B	NB	LT	0.66	17.7	B		NB	LT	0.66	17.7	B	
	SB	T	0.48	11.5	B	SB	T	0.51	11.5	B		SB	T	0.51	11.5	B	
	SB	R	0.46	11.6	B	SB	R	0.47	11.3	B		SB	R	0.47	11.3	B	
43rd Avenue (EB) &	EB	LT	0.14	11.2	B	EB	LT	0.21	11.7	B		EB	LT	0.21	11.7	B	
39th Street (NB-SB)	EB	R	0.05	10.6	B	EB	R	0.05	10.6	B		EB	R	0.05	10.6	B	
	NB	TR	0.41	14.4	B	NB	TR	0.48	15.7	B		NB	TR	0.48	15.7	B	
	SB	LT	0.70	18.8	B	SB	LT	0.77	22.4	C		SB	LT	0.77	22.4	C	
Greenpoint Avenue (EB-WB) &	EB	TR	0.22	8.8	A	EB	TR	0.28	9.0	A		EB	TR	0.28	10.5	B	
38th Street (SB)	WB	LT	0.48	18.1	B	WB	LT	0.49	18.4	B		WB	LT	0.49	18.4	B	
	SB	LTR	0.42	32.1	C	SB	LTR	0.43	32.2	C		SB	LTR	0.43	32.2	C	
Greenpoint Avenue (EB-WB) &	EB	LT	0.15	10.3	B	EB	LT	0.15	10.3	B		EB	LT	0.17	10.6	B	
Hunters Point Avenue (NW-SE)	WB	TR	0.73	29.6	C	WB	TR	0.75	30.2	C		WB	TR	0.80	35.1	D	
	SE	LTR	0.73	40.7	D	SE	LTR	0.81	48.7	D	*	SE	LTR	0.65	33.7	C	
	NW	LTR	1.08	87.7	F	NW	LTR	1.17	122.1	F	*	NW	LTR	1.09	85.7	F	
Greenpoint Avenue (NE-SW) &	WB	LTR	0.86	29.5	C	WB	LTR	0.86	29.5	C		WB	LTR	0.86	29.5	C	
Queens Midtown Expressway (WB)	NE	LT	0.12	15.6	B	NE	LT	0.12	15.6	B		NE	LT	0.12	16.4	B	
	SW	TR	0.71	28.4	C	SW	TR	0.72	28.2	C		SW	TR	0.72	29.1	C	
Greenpoint Avenue (NE-SW) &	EB	LTR	0.84	41.8	D	EB	LTR	0.84	41.8	D		EB	LTR	0.86	43.9	D	
Borden Avenue (EB)	NE	T	0.14	32.0	C	NE	T	0.14	32.0	C		NE	T	0.14	32.0	C	
	NE	R	1.07	107.1	F	NE	R	1.07	107.1	F		NE	R	1.07	107.1	F	
	SW	L	1.08	90.2	F	SW	L	1.09	96.0	F	*	SW	L	1.05	80.6	F	
	SW	T	0.93	28.5	C	SW	T	0.93	28.4	C		SW	T	0.91	26.3	C	
Unsignalized																	
36th Avenue (EB-WB) &	EB	LR	-	6.8	A	EB	LR	-	8.0	A		EB	LR	-	8.0	A	
41st Street (NB)	WB	LTR	-	7.4	A	WB	LTR	-	8.8	A		WB	LTR	-	8.8	A	
(All-Way Stop Controlled)	NB	LT	-	7.2	A	NB	LT	-	8.4	A		NB	LT	-	8.4	A	
Northern Boulevard (EB-WB) &	EB	L	0	0	A	EB	L	0	0	A		EB	L	0.00	0.0	A	
36th Avenue (NB-SB) & Driveway (NB)	WB	L	0.00	0.0	A	WB	L	0.00	0.0	A		WB	L	0.00	0.0	A	
	NB	LTR	0.00	0.0	A	NB	LTR	0.00	0.0	A		NB	LTR	0.00	0.0	A	
Northern Boulevard (EB-WB) &	EB	L	0.11	0.0	A	EB	L	0.12	0.0	A		EB	L	0.12	0.0	A	
Newtown Road (SB)	SB	R	0.01	10.7	B	SB	R	0.01	11.2	B		SB	R	0.01	11.2	B	
Hunters Point Avenue (WB) &	SB	R	0.04	13.7	B	SB	R	0.04	14.4	B		SB	R	0.04	14.4	B	
38th Street (SB)																	
Hunters Point Avenue (WB) &	SB	R	0.02	13.1	B	SB	R	0.02	13.6	B		SB	R	0.02	13.6	B	
39th Street (SB)																	

* Denotes a significant adverse impact.

TABLE G-6

WITH-ACTION WITH MITIGATION CONSTRUCTION PEAK HOUR INTERSECTION LEVEL OF SERVICE ANALYSIS (PM PEAK HOUR)

	No-Action PM (3-4) Peak Hour					With-Action PM (3-4) Peak Hour						Mitigation PM (3-4) Peak Hour					
Intersections	Approach	Lane Group	V/C Ratio	Delay (sec/veh)	LOS	Approach	Lane Group	V/C Ratio	Delay (sec/veh)	LOS		Approach	Lane Group	V/C Ratio	Delay (sec/veh)	LOS	
Signalized																	
35th Avenue (EB-WB) &	EB	LTR	1.17	136.4	F	EB	LTR	1.32	200.4	F	*	EB	LTR	1.17	135.2	F	
Steinway Street (NB-SB)	WB	LTR	0.66	35.0	C	WB	LTR	1.02	87.2	F	*	WB	LT	0.70	34.8	C	
													R	0.26	23.1	C	
													LTR	-	32.6	C	
	NB	LTR	0.54	15.1	B	NB	LTR	0.62	17.4	B		NB	LTR	0.67	20.7	C	
	SB	LTR	0.42	12.9	B	SB	LTR	0.46	13.6	B		SB	LTR	0.49	15.9	B	
35th Avenue (EB-WB) &	EB	LT	0.39	10.6	B	EB	LT	0.43	11.2	B		EB	LT	0.44	12.0	B	
41st Street (NB)	WB	TR	0.37	7.6	A	WB	TR	0.38	7.5	A		WB	TR	0.39	8.0	A	
	NB	LTR	0.32	17.5	B	NB	LTR	0.91	49.0	D	*	NB	LTR	0.85	38.1	D	
35th Avenue (EB-WB) &	EB	TR	0.34	6.8	A	EB	TR	0.51	9.8	A		EB	TR	0.48	9.1	A	
42nd Street (SB)	WB	LT	0.33	8.2	A	WB	LT	0.35	8.6	A		WB	LT	0.35	8.3	A	
	SB	LTR	0.46	17.5	B	SB	LTR	0.52	19.0	B		SB	LTR	0.52	19.0	B	
35th Avenue (EB-WB) &	EB	L	0.33	7.5	A	EB	L	0.44	7.7	A		EB	L	0.44	7.9	A	
43rd Street (NE)	WB	TR	0.39	14.9	B	WB	TR	0.41	15.1	B		WB	TR	0.41	14.9	B	
	NE	LT	0.44	15.0	B	NE	LT	0.38	14.8	B		NE	LT	0.38	16.1	B	
36th Avenue (EB-WB) &	EB	LTR	1.21	165.8	F	EB	LTR	1.34	217.0	F	*	EB	LTR	1.18	152.5	F	
Steinway Street (NB-SB)	WB	LTR	0.59	43.0	D	WB	LTR	0.65	46.2	D		WB	LTR	0.59	41.3	D	
	NB	LTR	0.37	16.6	B	NB	LTR	0.39	16.7	B		NB	LTR	0.41	17.8	B	
	SB	LTR	0.36	12.1	B	SB	LTR	0.43	13.2	B		SB	LTR	0.45	15.0	B	
Northern Boulevard (EB-WB) &	EB	L	0.78	56.9	E	EB	L	0.80	60.4	E		EB	L	0.80	60.4	E	
39th Street (NB) &	EB	TR	1.11	85.4	F	EB	TR	1.12	88.5	F	*	EB	TR	1.12	88.5	F	*
Steinway Street (SB)	WB	L	1.31	230.0	F	WB	L	2.00	513.2	F	*	WB	L	2.00	512.9	F	*
	WB	TR	1.10	75.0	E	WB	TR	1.11	78.4	E		WB	TR	1.11	78.4	E	
	NB	L	0.68	55.4	E	NB	L	0.68	54.8	D		NB	L	0.68	54.9	D	
	NB	TR	1.14	133.4	F	NB	TR	1.21	156.9	F	*	NB	TR	1.21	156.9	F	*
	SB	LTR	1.14	158.1	F	SB	LTR	1.37	248.3	F	*	SB	LTR	1.37	249.9	F	*
Northern Boulevard (EB-WB) &	EB	L	0.25	3.8	A	EB	L	0.31	4.2	A		EB	L	0.31	4.2	A	
41st Street (SB)	EB	T	0.91	7.8	A	EB	T	0.91	8.2	A		EB	T	0.91	8.2	A	
	WB	TR	0.68	14.3	B	WB	TR	0.71	14.4	B		WB	TR	0.71	14.5	B	
	SB	LR	0.42	41.4	D	SB	LR	0.46	42.3	D		SB	LR	0.46	42.3	D	
Northern Boulevard (EB-WB) &	EB	TR	1.03	32.9	C	EB	TR	1.04	37.6	D		EB	TR	1.04	37.6	D	
42nd Street (SB) &	WB	L	0.57	16.2	B	WB	L	0.57	16.1	B		WB	L	0.57	17.7	B	
Driveway (NB)	WB	T	0.70	13.5	B	WB	T	0.71	13.6	B		WB	T	0.71	15.2	B	
	NB	LTR	0.46	43.4	D	NB	LTR	0.47	43.7	D		NB	LTR	0.49	44.6	D	
	SB	LTR	0.91	82.0	F	SB	LTR	1.42	257.8	F	*	SB	L	0.93	87.8	F	
												SB	TR	0.56	49.2	D	
												SB	LTR	-	71.9	E	
Northern Boulevard (EB-WB) &	EB	LTR	1.11	63.1	E	EB	LTR	1.18	92.7	F	*	EB	LTR	1.11	67.0	E	
43rd Street &	WB	L	1.08	110.1	F	WB	L	1.08	108.7	F		WB	L	1.03	86.0	F	
42nd Place (NB)	WB	TR	1.14	89.4	F	WB	TR	1.15	95.8	F	*	WB	TR	1.09	65.2	E	
	NB	LTR	1.02	95.7	F	NB	LTR	1.02	95.7	F		NB	L	0.47	46.0	D	
												NB	TR	0.78	62.4	E	
												NB	LTR	-	56.3	E	
Northern Boulevard (EB-WB) &	EB	L	0.14	2.1	A	EB	L	0.15	2.0	A		EB	L	0.15	4.3	A	
44th Street (SB) &	EB	TR	1.01	15.8	B	EB	TR	1.05	30.4	C		EB	TR	1.07	39.9	D	
35th Avenue	WB	TR	0.78	23.6	C	WB	TR	0.79	24.0	C		WB	TR	0.80	25.5	C	
	SB	LTR	1.12	144.9	F	SB	LTR	1.13	149.0	F	*	SB	LTR	1.08	131.1	F	
Northern Boulevard (EB-WB) &	EB	T	0.99	14.4	B	EB	T	1.03	23.6	C		EB	T	1.03	19.6	B	
46th Street (SB)	WB	T	0.74	11.1	B	WB	T	0.75	11.3	B		WB	T	0.75	11.3	B	
	SB	LR	0.75	54.8	D	SB	LR	0.75	54.8	D		SB	LR	0.75	54.8	D	
Northern Boulevard (EB-WB) &	EB	TR	1.16	82.0	F	EB	TR	1.21	102.8	F	*	EB	TR	1.21	102.7	F	*
48th Street (NB) &	WB	L	1.14	152.8	F	WB	L	1.14	152.2	F		WB	L	1.14	152.2	F	
34th Avenue	WB	TR	1.10	62.4	E	WB	TR	1.12	71.8	E	*	WB	TR	1.12	71.8	E	*
	NB	L	1.65	364.0	F	NB	L	1.68	374.2	F	*	NB	L	1.68	374.2	F	*
	NB	TR	1.16	150.9	F	NB	TR	1.16	150.9	F		NB	TR	1.16	150.9	F	

Intersections	No-Action PM (3-4) Peak Hour					With-Action PM (3-4) Peak Hour						Mitigation PM (3-4) Peak Hour					
	Approach	Lane Group	V/C Ratio	Delay (sec/veh)	LOS	Approach	Lane Group	V/C Ratio	Delay (sec/veh)	LOS		Approach	Lane Group	V/C Ratio	Delay (sec/veh)	LOS	
Northern Boulevard (EB-WB) &	EB	L	1.15	114.8	F	EB	L	1.16	122.4	F	*	EB	L	1.18	129.6	F	*
51st Street (SB) &	EB	TR	1.14	66.3	E	EB	TR	1.18	86.3	F	*	EB	TR	1.18	86.3	F	*
Woodside Avenue (NB)	WB	L	0.24	28.0	C	WB	L	0.24	29.1	C		WB	L	0.24	29.1	C	
	WB	TR	0.72	30.4	C	WB	TR	0.73	30.6	C		WB	TR	0.73	30.6	C	
	NB	LTR	1.07	102.4	F	NB	LTR	1.07	102.4	F		NB	LTR	1.07	102.4	F	
	SB	LT	0.41	31.5	C	SB	LT	0.41	31.5	C		SB	LT	0.41	31.5	C	
	SB	R	0.81	51.1	D	SB	R	0.84	54.0	D		SB	R	0.84	54.0	D	
Skillman Avenue (WB) &	WB	LT	0.33	12.6	B	WB	LT	0.33	12.6	B		WB	LT	0.33	12.6	B	
39th Street (NB-SB)	WB	R	0.25	12.6	B	WB	R	0.26	12.7	B		WB	R	0.26	12.7	B	
	NB	LT	0.88	28.5	C	NB	LT	0.96	42.7	D		NB	LT	0.96	44.6	D	
	SB	T	0.72	13.0	B	SB	T	0.78	13.6	B		SB	T	0.78	13.6	B	
	SB	R	0.36	8.8	A	SB	R	0.45	9.0	A		SB	R	0.45	9.0	A	
43rd Avenue (EB) &	EB	LT	0.40	13.3	B	EB	LT	0.40	13.3	B		EB	LT	0.44	15.1	B	
39th Street (NB-SB)	EB	R	0.06	10.7	B	EB	R	0.06	10.7	B		EB	R	0.07	12.0	B	
	NB	TR	0.70	21.6	C	NB	TR	0.72	22.2	C		NB	TR	0.67	18.6	B	
	SB	LT	1.29	169.2	F	SB	LT	1.40	216.6	F	*	SB	LT	1.23	140.0	F	
Greenpoint Avenue (EB-WB) &	EB	TR	0.55	33.3	C	EB	TR	0.56	33.8	C		EB	TR	0.56	33.2	C	
38th Street (SB)	WB	LT	0.39	16.6	B	WB	LT	0.45	17.6	B		WB	LT	0.45	17.6	B	
	SB	LTR	0.50	34.0	C	SB	LTR	0.61	37.8	D		SB	LTR	0.61	37.8	D	
Greenpoint Avenue (EB-WB) &	EB	LT	0.26	7.6	A	EB	LT	0.26	7.7	A		EB	LT	0.26	43.9	D	
Hunters Point Avenue (NW-SE)	WB	TR	0.56	17.5	B	WB	TR	0.68	19.6	B		WB	TR	0.68	19.6	B	
	SE	LTR	0.93	67.2	E	SE	LTR	0.94	70.2	E		SE	LTR	0.94	70.2	E	
	NW	LTR	1.02	68.9	E	NW	LTR	1.03	72.1	E		NW	LTR	1.03	72.1	E	
Greenpoint Avenue (NE-SW) &	WB	LTR	0.65	24.3	C	WB	LTR	0.65	24.3	C		WB	LTR	0.65	24.3	C	
Queens Midtown Expressway (WB)	NE	LT	0.31	4.1	A	NE	LT	0.31	4.1	A		NE	LT	0.31	0.9	A	
	SW	TR	0.53	24.5	C	SW	TR	0.59	25.0	C		SW	TR	0.59	29.9	C	
Greenpoint Avenue (NE-SW) &	EB	LTR	0.96	50.5	D	EB	LTR	0.96	50.5	D		EB	LTR	0.96	50.5	D	
Borden Avenue (EB)	NE	T	0.62	51.1	D	NE	T	0.62	51.1	D		NE	T	0.62	51.1	D	
	NE	R	1.07	111.4	F	NE	R	1.07	111.4	F		NE	R	1.07	111.4	F	
	SW	L	0.97	65.2	E	SW	L	1.08	96.1	F	*	SW	L	1.08	102.6	F	*
	SW	T	0.86	33.5	C	SW	T	0.86	31.9	C		SW	T	0.86	38.2	D	
Unsignalized																	
36th Avenue (EB-WB) &	EB	LR	-	8.4	A	EB	LR	-	8.6	A		EB	LR	-	8.6	A	
41st Street (NB)	WB	LTR	-	9.2	A	WB	LTR	-	9.5	A		WB	LTR	-	9.5	A	
(All-Way Stop Controlled)	NB	LT	-	8.4	A	NB	LT	-	8.5	A		NB	LT	-	8.5	A	
Northern Boulevard (EB-WB) &	EB	L	0.02	11.2	B	EB	L	0.03	11.7	B		EB	L	0.03	11.7	B	
36th Avenue (NB-SB) & Driveway (NB)	WB	L	0.00	0.0	A	WB	L	0.00	0.0	A		WB	L	0.00	0.0	A	
	NB	LTR	0.01	11.3	B	NB	LTR	0.01	11.4	B		NB	LTR	0.01	11.4	B	
Northern Boulevard (EB-WB) &	EB	L	0.04	1.7	A	EB	L	0.05	2.0	A		EB	L	0.05	2.0	A	
Newtown Road (SB)	SB	R	0.07	12.9	B	SB	R	0.08	14.1	B		SB	R	0.08	14.1	B	
Hunters Point Avenue (WB) &	SB	R	0.04	12.8	B	SB	R	0.04	12.9	B		SB	R	0.04	12.9	B	
38th Street (SB)																	
Hunters Point Avenue (WB) &	SB	R	0.04	12.6	B	SB	R	0.04	12.7	B		SB	R	0.04	12.7	B	
39th Street (SB)																	

* Denotes a significant adverse impact.