

APPENDIX P3

Level of Service Summary Tables

**Table 1
Level of Service Summary All Interim Conditions**

Intersection Road	Lane Group Approach Direction - Movement	Levels of Service (Delay in seconds per vehicle) Volume to Capacity Ratio					
		Summer Friday P.M. Peak Hour			Summer Sunday Peak Hour		
		Existing	Interim No Build	Interim Build	Existing	Interim No Build	Interim Build
St. Joseph's Road at Cold Spring Road (unsignalized)							
Cold Spring Road	NB - L, T	A (7.3) 0.00	A (7.3) 0.00	A (7.3) 0.00	A (7.3) 0.00	A (7.3) 0.00	A (7.4) 0.00
St. Joseph's Road	EB - L, R	A (8.8) 0.01	A (8.8) 0.01	A (9.1) 0.02	A (8.7) 0.00	A (8.6) 0.01	A (9.2) 0.01
Cold Spring Road and Rose Valley Road (unsignalized)**							
Cold Spring Road	SB - L, T	A (7.4) 0.01	A (7.4) 0.01	A (7.6) 0.05	A (7.3) 0.01	A (7.3) 0.01	A (7.5) 0.09
Rose Valley Road	WB - L, R	A (9.4) 0.06	A (9.4) 0.06	B (10.3) 0.16	A (8.9) 0.02	A (9.0) 0.02	A (10.0) 0.19
Waverly Avenue and Cold Spring Road (unsignalized)							
Cold Spring Road	SB - L, T	A (7.6) 0.02	A (7.7) 0.03	A (8.0) 0.03	A (7.4) 0.01	A (7.5) 0.02	A (7.7) 0.02
Waverly Avenue	WB - L, R	B (12.0) 0.23	B (12.7) 0.27	C (17.4) 0.41	B (10.2) 0.11	B (10.5) 0.13	B (14.7) 0.32
Rose Valley Road and East Broadway (unsignalized)							
East Broadway	EB - L, T, R	A (7.7) 0.01	A (7.8) 0.01	A (7.8) 0.01	A (7.6) 0.00	A (7.7) 0.00	A (7.7) 0.00
	WB - L, T, R	A (8.1) 0.02	A (8.2) 0.02	A (8.4) 0.06	A (8.0) 0.02	A (8.0) 0.02	A (8.3) 0.06
Rose Valley Road	NB - L, T, R	B (11.4) 0.08	B (11.7) 0.09	B (12.7) 0.16	B (10.8) 0.09	B (11.0) 0.10	B (12.7) 0.28
	SB - L, T, R	B (10.9) 0.02	B (11.1) 0.02	B (11.7) 0.02	B (13.1) 0.01	B (13.5) 0.01	C (15.8) 0.01
Route 42 (Broadway), Bank Street and St. John Street (signalized)							
NYS Route 42	EB - L, T, R	B (19.0) 0.53	C (25.4) 0.70	C (26.8) 0.72	B (18.4) 0.47	C (24.1) 0.64	C (24.4) 0.65
	WB - L, T, R	B (12.6) 0.54	C (23.3) 0.82	C (27.4) 0.87	B (10.5) 0.33	B (14.4) 0.47	B (16.4) 0.60
St. John Street	NB - L, T, R	D (48.8) 0.74	D (43.9) 0.75	D (48.9) 0.83	D (39.5) 0.56	D (35.8) 0.57	D (43.9) 0.75
Bank Street	SB - L, T, R	D (44.7) 0.57	D (46.4) 0.61	D (52.3) 0.68	D (40.6) 0.35	D (40.8) 0.37	D (40.8) 0.37
	overall	C (20.7)	C (27.6)	C (31.3)	B (18.4)	C (22.3)	C (24.5)
West Broadway and Forestburgh Road (Route 42) (unsignalized)							
Forestburgh Rd Rt 42	NB L, T	B (11.0) 0.14	B (12.4) 0.20	B (12.4) 0.20	A (9.3) 0.08	A (10.0) 0.12	B (10.0) 0.12
West Broadway	EB - L, R	F (274.4) 1.44	F (794.4) 2.58	F (823.2) 2.64	E (46.6) 0.79	F (242.7) 1.39	F (251.2) 1.41
St. Joseph's Road and Route 42 (unsignalized)							
NYS Route 42	WB - L	A (7.5) 0.00	A (7.7) 0.00	A (7.7) 0.00	A (7.4) 0.00	A (7.8) 0.00	A (7.8) 0.00
St. Joseph's Road	WB - T, R	B (10.1) 0.01	B (12.1) 0.02	B (12.1) 0.02	B (10.4) 0.02	B (12.8) 0.03	B (13.1) 0.04
Site Access and Cold Spring Road (unsignalized)							
Cold Spring Road	NB - L, T	not applicable	not applicable	A (7.6) 0.07	not applicable	not applicable	A (7.7) 0.06
Site Access	EB - L, R	not applicable	not applicable	B (12.3) 0.29	not applicable	not applicable	B (11.3) 0.32

NB = Northbound, SB = Southbound, EB = Eastbound, WB = Westbound.

L = left, R = right, T = through, (e.g. WB-L = Westbound left).

**Table 2
Level of Service Summary All Conditions**

Intersection Road	Lane Group Approach Direction - Movement	Levels of Service (Delay in seconds per vehicle) Volume to Capacity Ratio					
		Summer Friday P.M. Peak Hour			Summer Sunday Peak Hour		
		Existing	No Build	Build	Existing	No Build	Build
St. Joseph's Road at Cold Spring Road (unsignalized)							
Cold Spring Road	NB - L, T	A (7.3) 0.00	A (7.3) 0.00	A (7.3) 0.00	A (7.3) 0.00	A (7.3) 0.00	A (7.7) 0.00
St. Joseph Road	EB - L, R	A (8.8) 0.01	A (8.8) 0.02	A (9.6) 0.03	A (8.7) 0.00	A (8.6) 0.01	B (10.3) 0.03
Cold Spring Road and Rose Valley Road (unsignalized)**							
Cold Spring Road	SB - L, T	A (7.4) 0.01	A (7.4) 0.01	A (7.9) 0.11	A (7.4) 0.03	A (7.3) 0.01	A (7.9) 0.21
Rose Valley Road	WB - L, R	A (9.4) 0.06	A (9.5) 0.07	B (12.4) 0.32	A (8.9) 0.02	A (9.0) 0.02	B (13.6) 0.47
Waverly Avenue and Cold Spring Road (unsignalized)							
Cold Spring Road	SB - L, T	A (7.6) 0.02	A (7.7) 0.03	A (8.7) 0.04	A (7.4) 0.01	A (7.5) 0.02	A (8.0) 0.02
Waverly Avenue	WB - L, R	B (12.0) 0.23	B (13.1) 0.29	D (33.2) 0.65	B (10.2) 0.11	B (10.6) 0.13	D (30.5) 0.65
Rose Valley Road and East Broadway (unsignalized)							
East Broadway	EB - L, T, R	A (7.7) 0.01	A (7.8) 0.01	A (7.8) 0.01	A (7.6) 0.00	A (7.7) 0.00	A (7.7) 0.00
	WB - L, T, R	A (8.1) 0.02	A (8.2) 0.03	A (8.8) 0.12	A (8.0) 0.02	A (8.1) 0.02	A (8.7) 0.13
Rose Valley Road	NB - L, T, R	B (11.4) 0.08	B (12.1) 0.10	C (15.4) 0.27	B (10.8) 0.09	B (11.2) 0.11	C (18.2) 0.61
	SB - L, T, R	B (10.9) 0.02	B (11.1) 0.02	B (12.6) 0.03	B (13.1) 0.01	B (13.9) 0.01	C (20.9) 0.02
Route 42 (Broadway) , Bank Street and St. John Street (signalized)							
NYS Route 42	EB - L, T, R	B (19.0) 0.53	C (26.3) 0.73	C (33.4) 0.83	B (18.4) 0.47	C (24.7) 0.67	C (29.1) 0.75
	WB - L, T, R	B (12.6) 0.54	C (26.6) 0.87	D (53.4) 1.01	B (10.5) 0.33	B (14.8) 0.50	C (24.9) 0.74
St. John Street	NB - L, T, R	D (48.8) 0.74	D (46.4) 0.78	D (52.7) 0.88	D (39.5) 0.56	D (36.5) 0.59	D (49.2) 0.85
Bank Street	SB - L, T, R	D (44.7) 0.57	D (48.1) 0.64	D (54.9) 0.71	D (40.6) 0.35	D (41.1) 0.39	D (42.4) 0.44
	overall	C (20.7)	C (29.8)	D (46.0)	B (18.4)	C (22.8)	C (31.1)
West Broadway and Forestburgh Road (Route 42) (unsignalized)							
Forestburgh Rd Rt 42	NB L, T	B (11.0) 0.14	B (13.0) 0.22	B (13.0) 0.22	A (9.3) 0.08	B (10.2) 0.13	B (10.2) 0.13
West Broadway	EB - L, R	F (274.4) 1.44	F (1078) 3.19	F (1112) 3.27	E (46.6) 0.79	F (345.7) 1.62	F (374.8) 1.69
St. Joseph's and Route 42 (unsignalized)							
NYS Route 42	WB - L	A (7.5) 0.00	A (7.7) 0.00	A (7.7) 0.00	A (7.4) 0.00	A (7.8) 0.00	A (7.8) 0.00
St. Joseph's Road	WB - T, R	B (10.1) 0.01	B (12.2) 0.02	B (12.5) 0.03	B (10.4) 0.02	B (13.2) 0.04	B (13.7) 0.06
Site Access and Cold Spring Road (unsignalized)							
Cold Spring Road	NB - L, T	not applicable	not applicable	A (8.1) 0.18	not applicable	not applicable	A (8.6) 0.18
Site Access	EB - L, R	not applicable	not applicable	F (119.7) 1.15	not applicable	not applicable	F (92.5) 1.10

NB = Northbound, SB = Southbound, EB = Eastbound, WB = Westbound.

L = left, R = right, T = through, (e.g. WB-L = Westbound left).