

**APPENDIX D**  
**TRANSIT AND PEDESTRIANS**

**Table D-1**  
**Existing Conditions—Sidewalk Level of Service Analysis**

Location	Sidewalk	Effective Width (ft.)	AM Peak Period					Midday Peak Period					PM Peak Period				
			Volume	PFM	LOS	PFM	LOS	Volume	PFM	LOS	PFM	LOS	Volume	PFM	LOS	PFM	LOS
E. 42nd Street between Lexington and Third Avenues	North	11	887	5.4	B	9.4	C	631	3.8	A	7.8	C	954	5.8	B	9.8	C
	South	12.7	753	4.0	A	8.0	C	593	3.1	A	7.1	C	698	3.7	A	7.7	C
E. 42nd Street between Third and Second Avenues	North	13.8	487	2.4	A	6.4	B	383	1.9	A	5.9	B	468	2.3	A	6.3	B
	South	11.7	329	1.9	A	5.9	B	354	2.0	A	6.0	B	299	1.7	A	5.7	B
E. 42nd Street between Second and First Avenues	North	7.5	170	1.5	A	5.5	B	218	1.9	A	5.9	B	208	1.8	A	5.8	B
	South	11.9	46	0.3	A	4.3	A	64	0.4	A	4.4	A	46	0.3	A	4.3	A
First Avenue between E. 42nd and E. 41st Streets	East	9.6	84	0.6	A	4.6	A	31	0.2	A	4.2	A	48	0.3	A	4.3	A
First Avenue between E. 42nd and E. 40th Streets	West	6.8	66	0.6	A	4.6	A	37	0.4	A	4.4	A	67	0.7	A	4.7	A
Third Avenue between E. 41st Street and E. 42nd Street	West	10.2	658	4.3	A	8.3	C	517	3.4	A	7.4	C	736	4.8	A	8.8	C
	East	9.8	655	4.5	A	8.5	C	481	3.3	A	7.3	C	472	3.2	A	7.2	C
Third Avenue between E. 40th Street and E. 41st Street	West	10	443	3.0	A	7.0	B	567	3.8	A	7.8	C	421	2.8	A	6.8	B
	East	12	611	3.4	A	7.4	C	431	2.4	A	6.4	B	449	2.5	A	6.5	B
E. 40th Street between Third Avenue and Tunnel Exit Street	North	9	137	1.0	A	5.0	B	86	0.6	A	4.6	A	95	0.7	A	4.7	A
	South	12	128	0.7	A	4.7	A	121	0.7	A	4.7	A	89	0.5	A	4.5	A
E. 40th Street between Tunnel Exit Street and Second Avenue	North	10.6	128	0.8	A	4.8	A	77	0.5	A	4.5	A	91	0.6	A	4.6	A
	South	7	135	1.3	A	5.3	B	142	1.4	A	5.4	B	132	1.3	A	5.3	B
Third Avenue between E. 39th Street and 40th Street	West	10.3	368	2.4	A	6.4	B	463	3.0	A	7.0	B	351	2.3	A	6.3	B
	East	10.6	504	3.2	A	7.2	C	495	3.1	A	7.1	C	376	2.4	A	6.4	B
E. 40th Street between Second Avenue and Tunnel Approach Road	North	7.5	10	0.1	A	4.1	A	20	0.2	A	4.2	A	24	0.2	A	4.2	A
	South	6.8	100	1.0	A	5.0	A	143	1.4	A	5.4	B	90	0.9	A	4.9	A
E. 40th Street between Tunnel Approach Road and First Avenue	North	12.9	3	0.0	A	4.0	A	3	0.0	A	4.0	A	9	0.0	A	4.0	A
	South	13	99	0.5	A	4.5	A	36	0.2	A	4.2	A	96	0.5	A	4.5	A
First Avenue between E. 40th and E. 41st Streets	East	14.8	66	0.3	A	4.3	A	37	0.2	A	4.2	A	67	0.3	A	4.3	A
E. 39th Street between Third Avenue and Tunnel Exit Street	North	8.9	154	1.2	A	5.2	B	107	0.8	A	4.8	A	94	0.7	A	4.7	A
	South	4	85	1.4	A	5.4	B	93	1.6	A	5.6	B	77	1.3	A	5.3	B
E. 39th Street between Tunnel Exit Street and Second Avenue	North	6.3	102	1.1	A	5.1	B	84	0.9	A	4.9	A	62	0.7	A	4.7	A
	South	8	142	1.2	A	5.2	B	103	0.9	A	4.9	A	144	1.2	A	5.2	B
E. 39th Street between Second Avenue and Tunnel Approach Road	North	8.3	29	0.2	A	4.2	A	6	0.0	A	4.0	A	55	0.4	A	4.4	A
	South	8.2	37	0.3	A	4.3	A	25	0.2	A	4.2	A	29	0.2	A	4.2	A
E. 39th Street between Tunnel Approach Road and First Avenue	North	10.5	17	0.1	A	4.1	A	11	0.1	A	4.1	A	14	0.1	A	4.1	A
	South	7.3	19	0.2	A	4.2	A	29	0.3	A	4.3	A	8	0.1	A	4.1	A

**Notes:** PFM = Pedestrians per foot per minute.

**Table D-1 (cont'd)**  
**Existing Conditions—Sidewalk Level of Service Analysis**

Location	Sidewalk	Effective Width (ft.)	AM Peak Period				Midday Peak Period					PM Peak Period					
			Volume	PFM	LOS	PFM	LOS	Volume	PFM	LOS	PFM	LOS	Volume	PFM	LOS	PFM	LOS
First Avenue between E. 39th and E. 40th Streets	West	9.6	66	0.5	A	4.5	A	45	0.3	A	4.3	A	119	0.8	A	4.8	A
	East	7.9	60	0.5	A	4.5	A	34	0.3	A	4.3	A	53	0.4	A	4.4	A
First Avenue between E. 38th and E. 39th Streets	West	11.1	66	0.4	A	4.4	A	45	0.3	A	4.3	A	67	0.4	A	4.4	A
	East	4.9	70	1.0	A	5.0	A	37	0.5	A	4.5	A	59	0.8	A	4.8	A
First Avenue between E. 37th and E. 38th Streets	West	11	69	0.4	A	4.4	A	59	0.4	A	4.4	A	85	0.5	A	4.5	A
	East	9.8	82	0.6	A	4.6	A	91	0.6	A	4.6	A	76	0.5	A	4.5	A
First Avenue between E. 36th and E. 37th Streets	West	10.3	82	0.5	A	4.5	A	55	0.4	A	4.4	A	83	0.5	A	4.5	A
	East	8.8	88	0.7	A	4.7	A	77	0.6	A	4.6	A	58	0.4	A	4.4	A
First Avenue between E. 35th and E. 36th Streets	West	12.8	84	0.4	A	4.4	A	78	0.4	A	4.4	A	110	0.6	A	4.6	A
	East	8.8	46	0.3	A	4.3	A	48	0.4	A	4.4	A	53	0.4	A	4.4	A
E. 34th Street between Park and Lexington Avenues	North	13.5	198	1.0	A	5.0	A	199	1.0	A	5.0	A	253	1.2	A	5.2	B
	South	13.1	338	1.7	A	5.7	B	221	1.1	A	5.1	B	268	1.4	A	5.4	B
E. 34th Street between Lexington and Third Avenues	North	10.7	175	1.1	A	5.1	B	163	1.0	A	5.0	B	223	1.4	A	5.4	B
	South	10.8	218	1.3	A	5.3	B	272	1.7	A	5.7	B	269	1.7	A	5.7	B
E. 34th Street between Third Avenue and Tunnel Exit	North	10.8	123	0.8	A	4.8	A	119	0.7	A	4.7	A	146	0.9	A	4.9	A
	South	8.8	178	1.3	A	5.3	B	133	1.0	A	5.0	B	181	1.4	A	5.4	B
E. 34th Street between Second Avenue and Tunnel Approach Road	North	14.9	111	0.5	A	4.5	A	120	0.5	A	4.5	A	169	0.8	A	4.8	A
	South	14	203	1.0	A	5.0	A	129	0.6	A	4.6	A	227	1.1	A	5.1	B
E. 34th Street between Tunnel Approach Road and First Avenue	North	10.3	90	0.6	A	4.6	A	59	0.4	A	4.4	A	138	0.9	A	4.9	A
	South	16	175	0.7	A	4.7	A	161	0.7	A	4.7	A	145	0.6	A	4.6	A
First Avenue between E. 34th and E. 35th Streets	West	9	96	0.7	A	4.7	A	55	0.4	A	4.4	A	71	0.5	A	4.5	A
	East	9.6	74	0.5	A	4.5	A	63	0.4	A	4.4	A	82	0.6	A	4.6	A

**Notes:** PFM = Pedestrians per foot per minute.

**Table D-2**

**Existing Conditions—Corner Reservoir Level of Service Analysis**

Location	Corner	AM Peak Period		Midday Peak Period		PM Peak Period	
		SFP	LOS	SFP	LOS	SFP	LOS
Lexington Avenue at E. 42nd Street	Northeast	25.3	C	28.6	C	26.1	C
	Southeast	39.6	C	35.8	C	36.6	C
	Southwest	25.9	C	34.3	C	31.1	C
	Northwest	20.2	D	33.4	C	30.7	C
Third Avenue at E. 42nd Street	Northeast	48.5	B	40.6	B	30.6	C
	Southeast	36.0	C	38.9	C	37.7	C
	Southwest	30.1	C	48.5	B	34.6	C
	Northwest	43.6	B	49.1	B	32.1	C
Second Avenue at E. 42nd Street	Northeast	61.0	A	82.4	A	89.1	A
	Southeast	130.6	A	126.5	A	122.8	A
	Southwest	72.9	A	108.0	A	108.4	A
	Northwest	48.8	B	82.0	A	93.3	A
First Avenue at E. 42nd Street	Northeast	233.5	A	390.4	A	288.6	A
	Southeast	149.6	A	381.7	A	221.3	A
	Southwest	906.3	A	1883.7	A	858.6	A
	Northwest	150.6	A	201.5	A	137.7	A
Third Avenue and E. 41st Street	Northeast	28.7	C	45.6	B	50.6	B
	Southeast	32.4	C	35.1	C	35.4	C
	Southwest	30.2	C	35.4	C	23.8	D
	Northwest	38.3	C	54.9	B	41.8	B
Third Avenue and E. 40th Street	Northeast	51.8	B	43.5	B	58.6	B
	Southeast	58.5	B	56.9	B	67.0	A
	Southwest	55.3	B	56.3	B	61.0	A
	Northwest	72.6	A	65.3	A	77.2	A
Tunnel Exit Street and E. 40th Street	Northeast	146.3	A	228.1	A	253.6	A
	Southeast	142.8	A	187.3	A	198.8	A
	Southwest	160.2	A	220.6	A	199.7	A
	Northwest	165.2	A	247.2	A	261.6	A
Second Avenue at E. 40th Street	Northeast	125.1	A	165.6	A	120.6	A
	Southeast	127.8	A	176.7	A	125.8	A
	Southwest	154.4	A	191.7	A	143.2	A
	Northwest	177.9	A	186.2	A	170.4	A
First Avenue at E. 40th Street	Southwest	487.5	A	602.4	A	614.7	A
	Northwest	424.4	A	445.1	A	538.6	A
Third Avenue and E. 39th Street	Northeast	69.3	A	74.0	A	101.0	A
	Southeast	67.8	A	61.1	A	78.0	A
	Southwest	70.9	A	60.7	A	81.3	A
	Northwest	69.2	A	53.9	B	90.6	A
Tunnel Exit Street and E. 39th Street	Northeast	94.8	A	181.7	A	186.2	A
	Southeast	149.5	A	200.4	A	131.5	A
	Southwest	242.7	A	215.9	A	123.9	A
	Northwest	174.4	A	264.4	A	281.0	A
Second Avenue at E. 39th Street	Northeast	147.7	A	192.4	A	142.8	A
	Southeast	127.7	A	194.4	A	170.3	A
	Southwest	135.1	A	146.1	A	128.3	A
	Northwest	195.6	A	145.3	A	132.9	A
Tunnel Approach Road at E. 39th Street	Northeast	51.6	B	64.0	A	208.8	A
	Southwest	192.8	A	341.3	A	152.5	A
	Northwest	108.9	A	101.0	A	59.2	B

**Note:** SFP = square feet per pedestrian

**Table D-2 (cont'd)**  
**Existing Conditions—Corner Reservoir Level of Service Analysis**

Location	Corner	AM Peak Period		Midday Peak Period		PM Peak Period	
		SFP	LOS	SFP	LOS	SFP	LOS
First Avenue at E. 39th Street	Southwest	357.9	A	522.9	A	371.7	A
	Northwest	385.0	A	637.7	A	488.2	A
First Avenue at E. 38th Street	Northeast	231.6	A	308.1	A	224.8	A
	Southeast	174.3	A	252.6	A	269.0	A
	Southwest	625.6	A	519.1	A	759.8	A
	Northwest	542.6	A	301.2	A	306.2	A
First Avenue at E. 37th Street	Northeast	227.2	A	214.3	A	162.9	A
	Southeast	229.4	A	250.3	A	237.4	A
	Southwest	263.7	A	252.9	A	244.9	A
	Northwest	604.1	A	595.9	A	450.6	A
First Avenue at E. 36th Street	Northeast	385.8	A	560.1	A	343.6	A
	Southeast	231.3	A	447.1	A	247.9	A
	Southwest	436.5	A	484.8	A	341.5	A
	Northwest	235.4	A	216.4	A	156.0	A
First Avenue at E. 35th Street	Northeast	311.3	A	551.4	A	525.2	A
	Southeast	395.6	A	670.4	A	427.5	A
	Southwest	211.3	A	228.2	A	125.6	A
	Northwest	475.7	A	508.9	A	370.4	A
Park Avenue at E. 34th Street	Northeast	156.2	A	197.8	A	162.9	A
	Southeast	153.4	A	200.4	A	169.5	A
	Southwest	90.1	A	120.7	A	102.1	A
	Northwest	131.3	A	176.9	A	134.2	A
Lexington Avenue at E. 34th Street	Northeast	206.1	A	159.8	A	146.3	A
	Southeast	142.5	A	131.6	A	115.4	A
	Southwest	139.5	A	133.9	A	120.2	A
	Northwest	182.5	A	150.2	A	145.4	A
Third Avenue at E. 34th Street	Northeast	160.4	A	141.2	A	104.7	A
	Southeast	132.6	A	114.6	A	95.3	A
	Southwest	162.3	A	176.7	A	119.6	A
	Northwest	178.1	A	210.6	A	125.7	A
Second Avenue at E. 34th Street	Northeast	247.7	A	273.5	A	232.5	A
	Southeast	229.7	A	306.4	A	242.7	A
	Southwest	137.2	A	213.0	A	167.4	A
	Northwest	158.8	A	207.9	A	172.2	A
Tunnel Approach Road at E. 34th Street	Northeast	73.9	A	82.3	A	51.8	B
	Northwest	28.2	C	35.6	C	25.3	C
First Avenue at E. 34th Street	Northeast	275.6	A	322.1	A	235.2	A
	Southeast	304.1	A	286.2	A	227.8	A
	Southwest	361.6	A	251.2	A	266.7	A
	Northwest	306.0	A	268.6	A	261.8	A

**Note:** SFP = square feet per pedestrian

**Table D-3**

**Existing Conditions—Crosswalk Level of Service Analysis**

Location	Crosswalk	Street Width (ft.)	Crosswalk Width (ft.)	AM		Midday		PM	
				SFP	LOS	SFP	LOS	SFP	LOS
Lexington Avenue at E. 42nd Street	North	50.5	20.6	16.9	D	28.2	C	23.4	D
	East	59.3	12.2	28.4	C	22.5	D	35.5	C
	South	50.9	20.5	35.2	C	39.1	C	29.5	C
	West	59.7	17.8	25.9	C	36.3	C	33.5	C
Third Avenue at E. 42nd Street	North	69.2	16.8	14.8	E	16.8	D	10.8	E
	East	58.9	16.6	29.5	C	24.3	C	34.5	C
	South	69.2	19.8	26.9	C	41.3	B	27.8	C
	West	58.8	16.3	36.7	C	36.0	C	25.7	C
Second Avenue at E. 42nd Street	North	69.3	18.0	29.9	C	59.2	B	64.9	A
	East	59.3	15.0	70.4	A	74.8	A	80.9	A
	South	69.2	19.0	148.3	A	128.5	A	102.2	A
	West	59.3	16.0	40.4	B/C	66.7	A	70.4	A
First Avenue at E. 42nd Street	North	101.0	30.0	105.3	A	140.8	A	128.3	A
	East	69.7	17.1	133.7	A	345.0	A	200.9	A
	South	126.0	13.0	500.6	A	1721.6	A	480.7	A
	West	59.7	21.0	397.8	A	851.1	A	399.1	A
Third Avenue and E. 41st Street	North	71.0	15.0	75.3	A	147.6	A	118.0	A
	East	33.6	15.0	15.7	D/E	19.5	D	22.2	D
	South	71.0	16.0	65.8	A	65.3	A	61.2	A
	West	33.6	15.0	16.3	D	21.7	D	15.5	D/E
Third Avenue and E. 40th Street	North	69.6	16.0	98.3	A	89.2	A	119.8	A
	East	29.6	13.6	17.7	D	18.1	D	19.6	D
	South	70.0	16.0	86.2	A	80.3	A	93.5	A
	West	29.6	14.6	30.3	C	28.3	C	31.0	C
Tunnel Exit Street and E. 40th Street	North	31.6	11.0	60.6	A	87.5	A	104.5	A
	East	33.9	12.0	494.9	A	759.1	A	643.4	A
	South	31.6	13.6	69.7	A	96.4	A	98.3	A
	West	33.0	12.0	453.1	A	803.0	A	557.3	A
Second Avenue at E. 40th Street	North	70.7	10.3	132.7	A	192.6	A	116.3	A
	East	33.6	14.4	112.2	A	139.1	A	113.1	A
	South	69.4	11.8	105.2	A	200.3	A	100.3	A
	West	29.8	14.4	122.0	A	115.5	A	114.1	A
First Avenue at E. 40th Street	North	82.7	10.1	3582.0	A	1860.0	A	1630.5	A
	South	69.4	10.3	807.5	A	1116.4	A	887.4	A
	West	33.7	14.6	366.8	A	408.9	A	478.0	A
Third Avenue and E. 39th Street	North	69.0	13.0	54.1	B	61.0	A	134.2	A
	East	34.0	16.0	42.4	B	38.6	C	49.2	B
	South	69.6	13.0	127.1	A	120.1	A	143.9	A
	West	34.0	14.6	56.1	B	38.1	C	55.4	B
Tunnel Exit Street and E. 39th Street	North	32.0	13.0	57.8	B	98.6	A	125.3	A
	East	33.6	11.0	214.8	A	461.6	A	358.4	A
	South	31.0	13.6	125.9	A	123.3	A	78.3	A
	West	33.9	12.6	1489.2	A	868.4	A	566.3	A
Second Avenue at E. 39th Street	North	70.9	12.1	176.7	A	182.8	A	139.5	A
	East	33.6	13.3	111.2	A	158.0	A	127.6	A
	South	69.9	15.0	130.8	A	213.0	A	233.1	A
	West	33.3	14.0	157.8	A	111.2	A	99.1	A
Tunnel Approach Road at E. 39th Street	North	32.0	13.6	510.6	A	476.6	A	1530.0	A
	East	33.2	10.3	521.4	A	1674.7	A	2930.6	A
	South	31.3	12.9	238.1	A	419.4	A	279.0	A
	West	33.8	10.7	762.9	A	762.9	A	161.9	A

**Note:** SFP = square feet per pedestrian

**Table D-3 (cont'd)**  
**Existing Conditions—Crosswalk Level of Service Analysis**

Location	Crosswalk	Street Width (ft.)	Crosswalk Width (ft.)	AM		Midday		PM	
				SFP	LOS	SFP	LOS	SFP	LOS
First Avenue at E. 39th Street	North	69.0	10.1	1091.6	A	2919.1	A	2187.3	A
	South	69.0	13.8	1706.7	A	2990.8	A	2396.0	A
	West	33.3	15.6	268.9	A	446.8	A	318.0	A
First Avenue at E. 38th Street	North	69.3	11.4	345.7	A	253.1	A	204.0	A
	East	39.0	13.6	251.9	A	467.9	A	303.8	A
	South	69.6	14.6	213.7	A	255.0	A	501.4	A
First Avenue at E. 37th Street	North	69.5	13.5	493.4	A	405.1	A	237.9	A
	East	39.3	13.0	212.1	A	232.1	A	196.0	A
	South	69.7	13.8	850.8	A	596.4	A	1493.0	A
First Avenue at E. 36th Street	North	69.8	14.0	841.4	A	704.9	A	392.6	A
	East	31.3	14.0	276.5	A	416.2	A	294.0	A
	South	70.4	13.0	529.9	A	5624.2	A	560.4	A
First Avenue at E. 35th Street	North	69.6	16.2	558.8	A	1211.7	A	2140.8	A
	East	32.8	16.7	312.8	A	519.1	A	448.0	A
	South	69.4	15.6	392.0	A	585.5	A	251.9	A
Park Avenue at E. 34th Street	North	96.4	15.5	77.7	A	74.2	A	54.7	B
	East	52.8	18.7	57.8	B	83.7	A	69.7	A
	South	82.6	20.4	49.4	B	55.5	B	48.8	B
Lexington Avenue at E. 34th Street	North	50.5	14.5	100.4	A	69.7	A	75.1	A
	East	52.6	11.8	154.1	A	125.9	A	94.4	A
	South	50.4	16.0	66.2	A	69.1	A	65.2	A
Third Avenue at E. 34th Street	North	69.1	17.7	64.4	A	71.6	A	40.9	B
	East	60.0	14.8	103.5	A	76.1	A	56.7	B
	South	69.4	13.2	43.2	B	40.8	B	38.0	C
Second Avenue at E. 34th Street	North	68.9	18.3	89.6	A	97.6	A	69.9	A
	East	59.4	15.8	321.0	A	222.8	A	257.7	A
	South	58.9	18.0	81.0	A	105.4	A	67.4	A
Tunnel Approach Road at E. 34th Street	North	59.4	16.4	143.9	A	139.1	A	130.2	A
	North	39.8	16.6	105.8	A	104.5	A	96.9	A
	East	59.3	15.6	482.5	A	481.3	A	688.3	A
First Avenue at E. 34th Street	West	59.5	16.3	1016.6	A	3462.9	A	3469.1	A
	North	69.5	14.2	84.4	A	89.7	A	47.1	B
	East	59.0	19.0	227.7	A	258.6	A	173.5	A
First Avenue at E. 34th Street	South	69.6	18.2	144.0	A	110.1	A	108.7	A
	West	60.2	16.3	293.2	A	177.2	A	203.5	A

**Note:** SFP = square feet per pedestrian

**Table D-4**  
**2014 No Build Conditions—Sidewalk Level of Service Analysis**

Location	Sidewalk	Effective Width (ft.)	AM Peak Period					Midday Peak Period					PM Peak Period				
			Volume	PFM	LOS	PFM	LOS	Volume	PFM	LOS	PFM	LOS	Volume	PFM	LOS	PFM	LOS
E. 42nd Street between Lexington and Third Avenues	North	11	990	6.0	B	10.0	D	680	4.1	A	8.1	C	1052	6.4	B	10.4	D
	South	12.7	990	6.0	B	10.0	D	680	4.1	A	8.1	C	1052	6.4	B	10.4	D
E. 42nd Street between Third and Second Avenues	North	13.8	805	4.2	A	8.2	C	629	3.3	A	7.3	C	748	3.9	A	7.9	C
	South	11.7	558	2.7	A	6.7	B	418	2.0	A	6.0	B	528	2.6	A	6.6	B
E. 42nd Street between Second and First Avenues	North	7.5	353	2.0	A	6.0	B	378	2.2	A	6.2	B	323	1.8	A	5.8	B
	South	11.9	225	2.0	A	6.0	B	245	2.2	A	6.2	B	256	2.3	A	6.3	B
First Avenue between E. 42nd and E. 41st Streets	East	9.6	51	0.3	A	4.3	A	75	0.4	A	4.4	A	50	0.3	A	4.3	A
First Avenue between E. 42nd and E. 40th Streets	West	6.8	92	0.6	A	4.6	A	35	0.2	A	4.2	A	76	0.5	A	4.5	A
Third Avenue between E. 41st Street and E. 42nd Street	West	10.2	74	0.7	A	4.7	A	60	0.6	A	4.6	A	55	0.5	A	4.5	A
	East	9.8	691	4.5	A	8.5	C	543	3.5	A	7.5	C	773	5.1	B	9.1	C
Third Avenue between E. 40th Street and E. 41st Street	West	10	688	4.7	A	8.7	C	505	3.4	A	7.4	C	496	3.4	A	7.4	C
	East	12	465	3.1	A	7.1	C	595	4.0	A	8.0	C	442	2.9	A	6.9	B
E. 40th Street between Third Avenue and Tunnel Exit Street	North	9	642	3.6	A	7.6	C	453	2.5	A	6.5	B	471	2.6	A	6.6	B
	South	12	144	1.1	A	5.1	B	90	0.7	A	4.7	A	100	0.7	A	4.7	A
E. 40th Street between Tunnel Exit Street and Second Avenue	North	10.6	134	0.7	A	4.7	A	127	0.7	A	4.7	A	93	0.5	A	4.5	A
	South	7	134	0.8	A	4.8	A	81	0.5	A	4.5	A	96	0.6	A	4.6	A
Third Avenue between E. 39th Street and 40th Street	West	10.3	142	1.4	A	5.4	B	149	1.4	A	5.4	B	139	1.3	A	5.3	B
	East	10.6	386	2.5	A	6.5	B	486	3.1	A	7.1	C	369	2.4	A	6.4	B
E. 40th Street between Second Avenue and Tunnel Approach Road	North	7.5	529	3.3	A	7.3	C	520	3.3	A	7.3	C	395	2.5	A	6.5	B
	South	6.8	10	0.1	A	4.1	A	21	0.2	A	4.2	A	26	0.2	A	4.2	A
E. 40th Street between Tunnel Approach Road and First Avenue	North	12.9	105	1.0	A	5.0	B	150	1.5	A	5.5	B	94	0.9	A	4.9	A
	South	13	3	0.0	A	4.0	A	3	0.0	A	4.0	A	9	0.0	A	4.0	A
First Avenue between E. 40th and E. 41st Streets	East	14.8	104	0.5	A	4.5	A	38	0.2	A	4.2	A	101	0.5	A	4.5	A
E. 39th Street between Third Avenue and Tunnel Exit Street	North	8.9	74	0.3	A	4.3	A	60	0.3	A	4.3	A	55	0.2	A	4.2	A
	South	4	162	1.2	A	5.2	B	112	0.8	A	4.8	A	99	0.7	A	4.7	A
E. 39th Street between Tunnel Exit Street and Second Avenue	North	6.3	89	1.5	A	5.5	B	98	1.6	A	5.6	B	81	1.3	A	5.3	B
	South	8	107	1.1	A	5.1	B	88	0.9	A	4.9	A	65	0.7	A	4.7	A
E. 39th Street between Second Avenue and Tunnel Approach Road	North	8.3	149	1.2	A	5.2	B	108	0.9	A	4.9	A	151	1.3	A	5.3	B
	South	8.2	31	0.2	A	4.2	A	6	0.0	A	4.0	A	58	0.5	A	4.5	A
E. 39th Street between Tunnel Approach Road and First Avenue	North	10.5	38	0.3	A	4.3	A	27	0.2	A	4.2	A	31	0.3	A	4.3	A
	South	7.3	18	0.1	A	4.1	A	11	0.1	A	4.1	A	14	0.1	A	4.1	A

**Notes:** PFM = Pedestrians per foot per minute.

**Table D-4 (cont'd)**  
**2014 No Build Conditions—Sidewalk Level of Service Analysis**

Location	Sidewalk	Effective Width (ft.)	AM Peak Period				Midday Peak Period					PM Peak Period					
			Volume	PFM	LOS	PFM	LOS	Volume	PFM	LOS	PFM	LOS	Volume	PFM	LOS	PFM	LOS
First Avenue between E. 39th and E. 40th Streets	West	9.6	72	0.5	A	4.5	A	55	0.4	A	4.4	A	127	0.9	A	4.9	A
	East	7.9	71	0.6	A	4.6	A	36	0.3	A	4.3	A	66	0.6	A	4.6	A
First Avenue between E. 38th and E. 39th Streets	West	11.1	70	0.4	A	4.4	A	51	0.3	A	4.3	A	72	0.4	A	4.4	A
	East	4.9	82	1.1	A	5.1	B	39	0.5	A	4.5	A	73	1.0	A	5.0	A
First Avenue between E. 37th and E. 38th Streets	West	11	77	0.5	A	4.5	A	66	0.4	A	4.4	A	93	0.6	A	4.6	A
	East	9.8	99	0.7	A	4.7	A	100	0.7	A	4.7	A	95	0.6	A	4.6	A
First Avenue between E. 36th and E. 37th Streets	West	10.3	89	0.6	A	4.6	A	60	0.4	A	4.4	A	90	0.6	A	4.6	A
	East	8.8	112	0.8	A	4.8	A	92	0.7	A	4.7	A	81	0.6	A	4.6	A
First Avenue between E. 35th and E. 36th Streets	West	12.8	89	0.5	A	4.5	A	82	0.4	A	4.4	A	115	0.6	A	4.6	A
	East	8.8	71	0.5	A	4.5	A	64	0.5	A	4.5	A	82	0.6	A	4.6	A
E. 34th Street between Park and Lexington Avenues	North	13.5	221	1.1	A	5.1	B	212	1.0	A	5.0	B	278	1.4	A	5.4	B
	South	13.1	394	2.0	A	6.0	B	251	1.3	A	5.3	B	322	1.6	A	5.6	B
E. 34th Street between Lexington and Third Avenues	North	10.7	184	1.1	A	5.1	B	171	1.1	A	5.1	B	235	1.5	A	5.5	B
	South	10.8	264	1.6	A	5.6	B	299	1.8	A	5.8	B	318	2.0	A	6.0	B
E. 34th Street between Third Avenue and Tunnel Exit	North	10.8	129	0.8	A	4.8	A	125	0.8	A	4.8	A	153	0.9	A	4.9	A
	South	8.8	232	1.8	A	5.8	B	156	1.2	A	5.2	B	237	1.8	A	5.8	B
E. 34th Street between Second Avenue and Tunnel Approach Road	North	14.9	123	0.6	A	4.6	A	128	0.6	A	4.6	A	182	0.8	A	4.8	A
	South	14	273	1.3	A	5.3	B	168	0.8	A	4.8	A	299	1.4	A	5.4	B
E. 34th Street between Tunnel Approach Road and First Avenue	North	10.3	102	0.7	A	4.7	A	64	0.4	A	4.4	A	150	1.0	A	5.0	A
	South	16	243	1.0	A	5.0	B	202	0.8	A	4.8	A	212	0.9	A	4.9	A
First Avenue between E. 34th and E. 35th Streets	West	9	101	0.7	A	4.7	A	58	0.4	A	4.4	A	75	0.6	A	4.6	A
	East	9.6	106	0.7	A	4.7	A	85	0.6	A	4.6	A	118	0.8	A	4.8	A

**Notes:** PFM = Pedestrians per foot per minute.

**Table D-5**

**2014 No Build Conditions—Corner Reservoir Level of Service Analysis**

Location	Corner	AM Peak Period		Midday Peak Period		PM Peak Period	
		SFP	LOS	SFP	LOS	SFP	LOS
Lexington Avenue at E. 42nd Street	Northeast	23.1	D	26.5	C	23.1	D
	Southeast	37.3	C	33.6	C	34.0	C
	Southwest	24.0	C	31.9	C	28.9	C
	Northwest	17.7	D	30.8	C	28.2	C
Third Avenue at E. 42nd Street	Northeast	43.6	B	37.2	C	24.6	C/D
	Southeast	33.7	C	34.3	C	34.7	C
	Southwest	27.7	C	42.6	B	32.6	C
	Northwest	36.1	C	44.8	B	28.8	C
Second Avenue at E. 42nd Street	Northeast	54.8	B	75.7	A	77.7	A
	Southeast	123.3	A	117.6	A	116.1	A
	Southwest	68.1	A	100.7	A	101.2	A
	Northwest	43.3	B	75.8	A	83.3	A
First Avenue at E. 42nd Street	Northeast	195.3	A	344.2	A	240.2	A
	Southeast	139.9	A	360.1	A	203.0	A
	Southwest	800.7	A	1150.7	A	758.3	A
	Northwest	117.7	A	157.5	A	114.6	A
Third Avenue and E. 41st Street	Northeast	29.3	C	45.2	B	48.3	B
	Southeast	31.7	C	33.7	C	33.4	C
	Southwest	28.4	C	34.1	C	25.3	C
	Northwest	37.7	C	53.7	B	40.7	B
Third Avenue and E. 40th Street	Northeast	49.9	B	42.5	B	56.6	B
	Southeast	56.9	B	54.5	B	64.1	A
	Southwest	52.8	B	53.7	B	59.1	B
	Northwest	69.2	A	62.9	A	73.9	A
Tunnel Exit Street and E. 40th Street	Northeast	138.7	A	216.7	A	247.9	A
	Southeast	135.3	A	177.8	A	181.0	A
	Southwest	152.2	A	209.6	A	193.6	A
	Northwest	157.0	A	235.0	A	242.0	A
Second Avenue at E. 40th Street	Northeast	119.1	A	157.0	A	114.1	A
	Southeast	121.3	A	168.0	A	119.2	A
	Southwest	146.5	A	182.4	A	135.9	A
	Northwest	169.3	A	176.4	A	162.2	A
First Avenue at E. 40th Street	Southwest	456.1	A	515.5	A	575.4	A
	Northwest	392.1	A	378.8	A	496.5	A
Third Avenue and E. 39th Street	Northeast	66.7	A	70.9	A	97.3	A
	Southeast	64.3	A	58.5	B	74.6	A
	Southwest	68.7	A	58.6	B	77.2	A
	Northwest	64.5	A	51.0	B	86.6	A
Tunnel Exit Street and E. 39th Street	Northeast	89.7	A	172.8	A	176.9	A
	Southeast	141.8	A	190.6	A	125.0	A
	Southwest	230.8	A	205.3	A	117.2	A
	Northwest	165.7	A	251.6	A	266.9	A
Second Avenue at E. 39th Street	Northeast	135.8	A	183.0	A	129.4	A
	Southeast	117.4	A	184.0	A	153.8	A
	Southwest	128.2	A	138.7	A	122.1	A
	Northwest	186.3	A	138.8	A	126.5	A
Tunnel Approach Road at E. 39th Street	Northeast	48.5	B	62.1	A	171.1	A
	Southwest	182.7	A	320.4	A	145.3	A
	Northwest	104.5	A	97.1	A	57.2	B

**Note:** SFP = square feet per pedestrian

**Table D-5 (cont'd)**  
**2014 No Build Conditions—Corner Reservoir Level of Service Analysis**

Location	Corner	AM Peak Period		Midday Peak Period		PM Peak Period	
		SFP	LOS	SFP	LOS	SFP	LOS
First Avenue at E. 39th Street	Southwest	339.9	A	466.5	A	349.2	A
	Northwest	365.5	A	567.4	A	456.8	A
First Avenue at E. 38th Street	Northeast	197.4	A	291.1	A	182.9	A
	Southeast	153.6	A	242.2	A	223.6	A
	Southwest	596.6	A	495.0	A	717.8	A
	Northwest	510.5	A	283.4	A	282.8	A
First Avenue at E. 37th Street	Northeast	181.5	A	189.1	A	132.5	A
	Southeast	188.7	A	221.5	A	192.6	A
	Southwest	245.8	A	236.0	A	227.3	A
	Northwest	543.8	A	550.4	A	407.1	A
First Avenue at E. 36th Street	Northeast	282.5	A	433.8	A	249.6	A
	Southeast	176.6	A	328.2	A	179.7	A
	Southwest	417.9	A	462.0	A	325.4	A
	Northwest	214.4	A	203.5	A	143.2	A
First Avenue at E. 35th Street	Northeast	221.8	A	374.5	A	315.9	A
	Southeast	306.8	A	511.9	A	322.4	A
	Southwest	204.0	A	217.6	A	119.5	A
	Northwest	430.4	A	466.6	A	342.7	A
Park Avenue at E. 34th Street	Northeast	144.7	A	182.6	A	150.2	A
	Southeast	138.3	A	183.5	A	151.4	A
	Southwest	82.9	A	112.5	A	93.7	A
	Northwest	123.2	A	166.0	A	125.5	A
Lexington Avenue at E. 34th Street	Northeast	193.6	A	151.9	A	138.3	A
	Southeast	123.1	A	120.6	A	100.8	A
	Southwest	118.9	A	121.5	A	103.3	A
	Northwest	167.6	A	139.9	A	133.7	A
Third Avenue at E. 34th Street	Northeast	151.9	A	134.1	A	99.3	A
	Southeast	112.4	A	104.3	A	82.3	A
	Southwest	137.5	A	160.9	A	104.0	A
	Northwest	169.1	A	200.5	A	119.2	A
Second Avenue at E. 34th Street	Northeast	222.9	A	246.9	A	211.4	A
	Southeast	178.5	A	248.9	A	183.8	A
	Southwest	113.9	A	189.8	A	135.3	A
	Northwest	148.0	A	196.1	A	161.2	A
Tunnel Approach Road at E. 34th Street	Northeast	67.0	A	76.3	A	47.1	B
	Northwest	25.1	C	32.7	C	23.1	D
First Avenue at E. 34th Street	Northeast	190.4	A	272.7	A	168.4	A
	Southeast	170.0	A	207.9	A	142.2	A
	Southwest	222.3	A	209.2	A	193.4	A
	Northwest	278.3	A	252.7	A	244.4	A

**Note:** SFP = square feet per pedestrian

**Table D-6**  
**2014 No Build Conditions—Crosswalk Level of Service Analysis**

Location	Crosswalk	Street Width (ft.)	Crosswalk Width (ft.)	AM		Midday		PM	
				SFP	LOS	SFP	LOS	SFP	LOS
Lexington Avenue at E. 42nd Street	North	50.5	20.6	14.9	E	25.9	C	21.2	D
	East	59.3	12.2	25.0	C	20.0	D	31.7	C
	South	50.9	20.5	32.1	C	33.6	C	26.3	C
	West	59.7	17.8	21.8	D	30.8	C	29.0	C
Third Avenue at E. 42nd Street	North	69.2	16.8	6.7	F	14.4	E	5.2	F
	East	58.9	16.6	25.6	C	18.3	D	30.6	C
	South	69.2	19.8	24.5	C	22.8	D	25.0	C
	West	58.8	16.3	31.5	C	26.6	C	22.6	D
Second Avenue at E. 42nd Street	North	69.3	18.0	25.5	C	53.0	B	54.7	B
	East	59.3	15.0	57.7	B	58.6	B	59.6	B
	South	69.2	19.0	110.8	A	92.5	A	74.3	A
	West	59.3	16.0	34.8	C	56.3	B	61.9	A
First Avenue at E. 42nd Street	North	101.0	30.0	70.4	A	110.6	A	92.9	A
	East	69.7	17.1	117.3	A	300.5	A	171.8	A
	South	126.0	13.0	441.8	A	1646.7	A	425.6	A
	West	59.7	21.0	299.6	A	393.0	A	302.3	A
Third Avenue and E. 41st Street	North	71.0	15.0	49.9	B	100.8	A	80.6	A
	East	33.6	15.0	21.4	D	26.6	C	30.4	C
	South	71.0	16.0	47.2	B	46.4	B	43.0	B
	West	33.6	15.0	22.2	D	29.3	C	20.9	D
Third Avenue and E. 40th Street	North	69.6	16.0	69.2	A	62.7	A	84.1	A
	East	29.6	13.6	22.9	D	23.2	D	25.5	C
	South	70.0	16.0	62.1	A	57.7	B	66.9	A
	West	29.6	14.6	38.0	C	35.7	C	38.8	C
Tunnel Exit Street and E. 40th Street	North	31.6	11.0	57.5	B	83.1	A	99.1	A
	East	33.9	12.0	464.3	A	716.9	A	606.3	A
	South	31.6	13.6	66.0	A	91.5	A	93.4	A
	West	33.0	12.0	431.2	A	764.3	A	530.2	A
Second Avenue at E. 40th Street	North	70.7	10.3	126.9	A	180.3	A	110.2	A
	East	33.6	14.4	101.2	A	126.2	A	99.9	A
	South	69.4	11.8	90.9	A	175.9	A	75.2	A
	West	29.8	14.4	115.9	A	109.7	A	108.6	A
First Avenue at E. 40th Street	North	82.7	10.1	3518.9	A	1838.9	A	1597.8	A
	South	69.4	10.3	807.5	A	1116.4	A	887.4	A
	West	33.7	14.6	336.5	A	339.4	A	436.3	A
Third Avenue and E. 39th Street	North	69.0	13.0	40.4	B/C	46.2	B	102.6	A
	East	34.0	16.0	47.5	B	43.4	B	55.1	B
	South	69.6	13.0	98.4	A	93.0	A	112.0	A
	West	34.0	14.6	57.2	B	39.8	C	56.2	B
Tunnel Exit Street and E. 39th Street	North	32.0	13.0	54.6	B	97.2	A	118.7	A
	East	33.6	11.0	204.3	A	429.4	A	341.0	A
	South	31.0	13.6	119.5	A	121.6	A	74.4	A
	West	33.9	12.6	1264.3	A	720.1	A	453.3	A
Second Avenue at E. 39th Street	North	70.9	12.1	167.9	A	176.3	A	132.2	A
	East	33.6	13.3	100.0	A	149.7	A	112.6	A
	South	69.9	15.0	116.7	A	189.6	A	208.1	A
	West	33.3	14.0	119.5	A	85.5	A	83.7	A
Tunnel Approach Road at E. 39th Street	North	32.0	13.6	494.1	A	462.2	A	1530.0	A
	East	33.2	10.3	457.0	A	1674.7	A	1674.7	A
	South	31.3	12.9	220.6	A	389.1	A	250.1	A
	West	33.8	10.7	551.5	A	698.1	A	149.2	A

**Note:** SFP = square feet per pedestrian

**Table D-6 (cont'd)**  
**2014 No Build Conditions—Crosswalk Level of Service Analysis**

Location	Crosswalk	Street Width (ft.)	Crosswalk Width (ft.)	AM		Midday		PM	
				SFP	LOS	SFP	LOS	SFP	LOS
First Avenue at E. 39th Street	North	69.0	10.1	1091.6	A	2919.1	A	2187.3	A
	South	69.0	13.8	1706.7	A	2990.8	A	2396.0	A
	West	33.3	15.6	204.7	A	320.8	A	227.9	A
First Avenue at E. 38th Street	North	69.3	11.4	276.0	A	227.8	A	171.9	A
	East	39.0	13.6	197.8	A	437.8	A	235.8	A
	South	69.6	14.6	202.9	A	244.8	A	481.8	A
	West	36.5	13.4	405.9	A	243.5	A	291.2	A
First Avenue at E. 37th Street	North	69.5	13.5	404.5	A	365.2	A	206.1	A
	East	39.3	13.0	167.0	A	200.7	A	154.5	A
	South	69.7	13.8	850.8	A	568.0	A	1493.0	A
	West	39.4	14.0	228.1	A	227.0	A	140.3	A
First Avenue at E. 36th Street	North	69.8	14.0	581.1	A	619.5	A	314.7	A
	East	31.3	14.0	191.3	A	295.8	A	194.1	A
	South	70.4	13.0	505.5	A	5624.2	A	533.7	A
	West	39.5	14.0	212.6	A	196.2	A	159.8	A
First Avenue at E. 35th Street	North	69.6	16.2	424.0	A	829.9	A	1160.7	A
	East	32.8	16.7	215.0	A	350.8	A	271.8	A
	South	69.4	15.6	380.6	A	561.1	A	238.3	A
	West	39.1	14.6	243.2	A	215.6	A	112.9	A
Park Avenue at E. 34th Street	North	96.4	15.5	73.7	A	70.0	A	51.7	B
	East	52.8	18.7	49.9	B	71.1	A	59.0	B
	South	82.6	20.4	41.7	B	48.6	B	42.3	B
	West	52.6	18.6	37.1	C	58.0	B	40.2	B
Lexington Avenue at E. 34th Street	North	50.5	14.5	94.2	A	66.2	A	71.0	A
	East	52.6	11.8	138.5	A	116.1	A	84.9	A
	South	50.4	16.0	44.8	B	51.3	B	48.3	B
	West	53.3	12.0	106.8	A	100.1	A	82.0	A
Third Avenue at E. 34th Street	North	69.1	17.7	57.9	B	64.3	A	31.9	C
	East	60.0	14.8	86.0	A	66.0	A	49.2	B
	South	69.4	13.2	33.2	C	35.6	C	29.4	C
	West	52.6	16.0	88.7	A	112.7	A	54.3	B
Second Avenue at E. 34th Street	North	68.9	18.3	81.0	A	91.2	A	64.7	A
	East	59.4	15.8	201.6	A	148.9	A	192.7	A
	South	58.9	18.0	39.4	C	59.2	B	35.5	C
	West	59.4	16.4	120.5	A	125.2	A	118.3	A
Tunnel Approach Road at E. 34th Street	North	39.8	16.6	89.2	A	87.0	A	89.4	A
	East	59.3	15.6	455.4	A	454.3	A	660.7	A
	West	59.5	16.3	960.2	A	3462.9	A	3469.1	A
First Avenue at E. 34th Street	North	69.5	14.2	82.8	A	99.5	A	47.5	B
	East	59.0	19.0	121.2	A	178.5	A	89.8	A
	South	69.6	18.2	77.9	A	95.9	A	72.1	A
	West	60.2	16.3	255.6	A	163.0	A	170.5	A

**Note:** SFP = square feet per pedestrian

**Table D-7  
2014 Build Conditions—Sidewalk Level of Service Analysis**

Location	Sidewalk	Effective Width (ft.)	AM Peak Period					Midday Peak Period					PM Peak Period				
			Volume	PFM	LOS	PFM	LOS	Volume	PFM	LOS	PFM	LOS	Volume	PFM	LOS	PFM	LOS
E. 42nd Street between Lexington and Third Avenues	North	11	1160	7.0	C	11.0	D	741	4.5	A	8.5	C	1386	8.4	C	12.4	D
	South	12.7	984	5.2	B	9.2	C	724	3.8	A	7.8	C	1133	5.9	B	9.9	C
E. 42nd Street between Third and Second Avenues	North	13.8	680	3.3	A	7.3	C	506	2.4	A	6.4	B	668	3.2	A	7.2	C
	South	11.7	478	2.7	A	6.7	B	473	2.7	A	6.7	B	494	2.8	A	6.8	B
E. 42nd Street between Second and First Avenues	North	7.5	373	3.3	A	7.3	C	481	4.3	A	8.3	C	570	5.1	B	9.1	C
	South	11.9	202	1.1	A	5.1	B	272	1.5	A	5.5	B	162	0.9	A	4.9	A
First Avenue between E. 42nd and E. 41st Streets	East	9.6	292	2.0	A	6.0	B	535	3.7	A	7.7	C	556	3.9	A	7.9	C
First Avenue between E. 42nd and E. 40th Streets	West	6.8	226	2.2	A	6.2	B	127	1.2	A	5.2	B	242	2.4	A	6.4	B
Third Avenue between E. 41st Street and E. 42nd Street	West	10.2	737	4.8	A	8.8	C	579	3.8	A	7.8	C	899	5.9	B	9.9	C
	East	9.8	712	4.8	A	8.8	C	523	3.6	A	7.6	C	580	3.9	A	7.9	C
Third Avenue between E. 40th Street and E. 41st Street	West	10	501	3.3	A	7.3	C	627	4.2	A	8.2	C	560	3.7	A	7.7	C
	East	12	676	3.8	A	7.8	C	476	2.6	A	6.6	B	565	3.1	A	7.1	C
E. 40th Street between Third Avenue and Tunnel Exit Street	North	9	196	1.5	A	5.5	B	249	1.8	A	5.8	B	281	2.1	A	6.1	B
	South	12	184	1.0	A	5.0	B	281	1.6	A	5.6	B	148	0.8	A	4.8	A
E. 40th Street between Tunnel Exit Street and Second Avenue	North	10.6	187	1.2	A	5.2	B	240	1.5	A	5.5	B	277	1.7	A	5.7	B
	South	7	191	1.8	A	5.8	B	303	2.9	A	6.9	B	194	1.8	A	5.8	B
Third Avenue between E. 39th Street and 40th Street	West	10.3	407	2.6	A	6.6	B	503	3.3	A	7.3	C	395	2.6	A	6.6	B
	East	10.6	534	3.4	A	7.4	C	536	3.4	A	7.4	C	431	2.7	A	6.7	B
E. 40th Street between Second Avenue and Tunnel Approach Road	North	7.5	30	0.3	A	4.3	A	260	2.3	A	6.3	B	288	2.6	A	6.6	B
	South	6.8	132	1.3	A	5.3	B	382	3.7	A	7.7	C	148	1.5	A	5.5	B
E. 40th Street between Tunnel Approach Road and First Avenue	North	12.9	21	0.1	A	4.1	A	239	1.2	A	5.2	B	269	1.4	A	5.4	B
	South	13	139	0.7	A	4.7	A	276	1.4	A	5.4	B	172	0.9	A	4.9	A
First Avenue between E. 40th and E. 41st Streets	East	14.8	226	1.0	A	5.0	B	127	0.6	A	4.6	A	242	1.1	A	5.1	B
E. 39th Street between Third Avenue and Tunnel Exit Street	North	8.9	267	2.0	A	6.0	B	311	2.3	A	6.3	B	216	1.6	A	5.6	B
	South	4	163	2.7	A	6.7	B	277	4.6	A	8.6	C	168	2.8	A	6.8	B
E. 39th Street between Tunnel Exit Street and Second Avenue	North	6.3	212	2.2	A	6.2	B	287	3.0	A	7.0	C	182	1.9	A	5.9	B
	South	8	205	1.7	A	5.7	B	288	2.4	A	6.4	B	250	2.1	A	6.1	B
E. 39th Street between Second Avenue and Tunnel Approach Road	North	8.3	76	0.6	A	4.6	A	62	0.5	A	4.5	A	154	1.2	A	5.2	B
	South	8.2	74	0.6	A	4.6	A	69	0.6	A	4.6	A	112	0.9	A	4.9	A
E. 39th Street between Tunnel Approach Road and First Avenue	North	10.5	70	0.4	A	4.4	A	71	0.5	A	4.5	A	117	0.7	A	4.7	A
	South	7.3	56	0.5	A	4.5	A	72	0.7	A	4.7	A	89	0.8	A	4.8	A

**Notes:** PFM = Pedestrians per foot per minute.

**Table D-7 (cont'd)**  
**2014 Build Conditions—Sidewalk Level of Service Analysis**

Location	Sidewalk	Effective Width (ft.)	AM Peak Period				Midday Peak Period					PM Peak Period					
			Volume	PFM	LOS	PFM	LOS	Volume	PFM	LOS	PFM	LOS	Volume	PFM	LOS	PFM	LOS
First Avenue between E. 39th and E. 40th Streets	West	9.6	350	2.4	A	6.4	B	314	2.2	A	6.2	B	467	3.2	A	7.2	C
	East	7.9	285	2.4	A	6.4	B	265	2.2	A	6.2	B	423	3.6	A	7.6	C
First Avenue between E. 38th and E. 39th Streets	West	11.1	135	0.8	A	4.8	A	168	1.0	A	5.0	B	151	0.9	A	4.9	A
	East	10	581	3.9	A	7.9	C	544	3.6	A	7.6	C	820	5.5	B	9.5	C
First Avenue between E. 37th and E. 38th Streets	West	11	169	1.0	A	5.0	B	209	1.3	A	5.3	B	221	1.3	A	5.3	B
	East	9.8	231	1.6	A	5.6	B	259	1.8	A	5.8	B	244	1.7	A	5.7	B
First Avenue between E. 36th and E. 37th Streets	West	10.3	181	1.2	A	5.2	B	193	1.2	A	5.2	B	218	1.4	A	5.4	B
	East	8.8	257	1.9	A	5.9	B	246	1.9	A	5.9	B	240	1.8	A	5.8	B
First Avenue between E. 35th and E. 36th Streets	West	12.8	161	0.8	A	4.8	A	146	0.8	A	4.8	A	225	1.2	A	5.2	B
	East	8.8	428	3.2	A	7.2	C	249	1.9	A	5.9	B	388	2.9	A	6.9	B
E. 34th Street between Park and Lexington Avenues	North	13.5	276	1.4	A	5.4	B	233	1.2	A	5.2	B	332	1.6	A	5.6	B
	South	13.1	476	2.4	A	6.4	B	270	1.4	A	5.4	B	367	1.9	A	5.9	B
E. 34th Street between Lexington and Third Avenues	North	10.7	239	1.5	A	5.5	B	191	1.2	A	5.2	B	276	1.7	A	5.7	B
	South	10.8	303	1.9	A	5.9	B	310	1.9	A	5.9	B	347	2.1	A	6.1	B
E. 34th Street between Third Avenue and Tunnel Exit	North	10.8	184	1.1	A	5.1	B	147	0.9	A	4.9	A	194	1.2	A	5.2	B
	South	8.8	263	2.0	A	6.0	B	167	1.3	A	5.3	B	259	2.0	A	6.0	B
E. 34th Street between Second Avenue and Tunnel Approach Road	North	14.9	178	0.8	A	4.8	A	163	0.7	A	4.7	A	223	1.0	A	5.0	A
	South	14	304	1.4	A	5.4	B	186	0.9	A	4.9	A	321	1.5	A	5.5	B
E. 34th Street between Tunnel Approach Road and First Avenue	North	10.3	178	1.2	A	5.2	B	108	0.7	A	4.7	A	217	1.4	A	5.4	B
	South	16	316	1.3	A	5.3	B	227	0.9	A	4.9	A	241	1.0	A	5.0	B
First Avenue between E. 34th and E. 35th Streets	West	9	194	1.4	A	5.4	B	139	1.0	A	5.0	B	202	1.5	A	5.5	B
	East	9.6	340	2.4	A	6.4	B	211	1.5	A	5.5	B	337	2.3	A	6.3	B

**Notes:** PFM = Pedestrians per foot per minute.

**Table D-8**

**2014 Build Conditions—Corner Reservoir Level of Service Analysis**

Location	Corner	AM Peak Period		Midday Peak Period		PM Peak Period	
		SFP	LOS	SFP	LOS	SFP	LOS
Lexington Avenue at E. 42nd Street	Northeast	20.2	D	25.3	C	17.1	D
	Southeast	31.9	C	31.2	C	23.4	D
	Southwest	19.7	D	29.4	C	21.3	D
	Northwest	15.1	D	29.8	C	23.8	D
Third Avenue at E. 42nd Street	Northeast	38.4	C	36.4	C	20.4	D
	Southeast	30.5	C	33.1	C	28.4	C
	Southwest	24.8	C/D	40.5	B	28.2	C
	Northwest	30.6	C	43.0	B	25.2	C
Second Avenue at E. 42nd Street	Northeast	45.3	B	56.0	B	59.6	B
	Southeast	88.7	A	79.2	A	83.5	A
	Southwest	57.4	B	77.2	A	75.4	A
	Northwest	38.8	C	63.5	A	69.9	A
First Avenue at E. 42nd Street	Northeast	121.4	A	97.5	A	75.1	A
	Southeast	51.5	B	47.2	B	45.3	B
	Southwest	200.1	A	287.8	A	217.2	A
	Northwest	66.4	A	70.7	A	49.9	B
Third Avenue and E. 41st Street	Northeast	28.6	C	44.0	B	42.5	B
	Southeast	30.2	C	32.6	C	28.8	C
	Southwest	26.2	C	32.2	C	21.1	D
	Northwest	35.7	C	50.7	B	35.4	C
Third Avenue and E. 40th Street	Northeast	46.0	B	33.7	C	40.6	B/C
	Southeast	52.1	B	43.5	B	56.1	B
	Southwest	46.5	B	41.7	B	50.0	B
	Northwest	62.2	A	48.8	B	54.7	B
Tunnel Exit Street and E. 40th Street	Northeast	106.1	A	87.9	A	82.3	A
	Southeast	120.4	A	85.2	A	154.6	A
	Southwest	133.7	A	101.3	A	167.5	A
	Northwest	120.5	A	99.4	A	95.6	A
Second Avenue at E. 40th Street	Northeast	109.9	A	68.1	A	48.6	B
	Southeast	108.7	A	73.8	A	98.4	A
	Southwest	129.1	A	97.9	A	111.6	A
	Northwest	151.3	A	94.5	A	85.5	A
First Avenue at E. 40th Street	Southwest	109.5	A	64.9	A	99.3	A
	Northwest	105.4	A	44.4	B	41.4	B
Third Avenue and E. 39th Street	Northeast	58.4	B	53.6	B	78.2	A
	Southeast	57.5	B	41.9	B	60.8	A
	Southwest	60.9	A	43.2	B	64.8	A
	Northwest	55.3	B	39.0	C	70.3	A
Tunnel Exit Street and E. 39th Street	Northeast	61.9	A	65.2	A	98.1	A
	Southeast	95.4	A	70.0	A	83.2	A
	Southwest	127.3	A	72.6	A	74.7	A
	Northwest	109.6	A	94.8	A	140.6	A
Second Avenue at E. 39th Street	Northeast	97.1	A	105.6	A	84.0	A
	Southeast	102.3	A	120.2	A	111.0	A
	Southwest	112.2	A	101.0	A	90.2	A
	Northwest	129.3	A	93.1	A	83.9	A
Tunnel Approach Road at E. 39th Street	Northeast	20.4	D	22.5	D	20.0	D
	Southwest	139.4	A	193.6	A	88.5	A
	Northwest	53.2	B	42.3	B	22.6	D

**Note:** SFP = square feet per pedestrian

**Table D-8 (cont'd)**  
**2014 Build Conditions—Corner Reservoir Level of Service Analysis**

Location	Corner	AM Peak Period		Midday Peak Period		PM Peak Period	
		SFP	LOS	SFP	LOS	SFP	LOS
First Avenue at E. 39th Street	Southwest	129.0	A	113.9	A	83.3	A
	Northwest	108.4	A	117.5	A	94.2	A
First Avenue at E. 38th Street	Northeast	59.7	B	69.4	A	47.8	B
	Southeast	65.3	A	72.5	A	63.8	A
	Southwest	282.1	A	211.3	A	240.0	A
	Northwest	157.2	A	112.7	A	93.7	A
First Avenue at E. 37th Street	Northeast	89.0	A	85.5	A	71.2	A
	Southeast	93.1	A	94.7	A	87.8	A
	Southwest	128.7	A	104.2	A	103.4	A
	Northwest	305.4	A	258.3	A	223.0	A
First Avenue at E. 36th Street	Northeast	97.1	A	126.1	A	93.9	A
	Southeast	45.7	B	67.8	A	45.3	B
	Southwest	171.7	A	180.8	A	140.7	A
	Northwest	108.1	A	93.6	A	82.1	A
First Avenue at E. 35th Street	Northeast	62.3	A	120.2	A	74.6	A
	Southeast	93.6	A	177.7	A	98.0	A
	Southwest	113.9	A	123.6	A	69.2	A
	Northwest	248.9	A	275.8	A	204.6	A
Park Avenue at E. 34th Street	Northeast	136.6	A	177.5	A	141.3	A
	Southeast	130.1	A	180.0	A	145.5	A
	Southwest	78.1	A	110.5	A	90.4	A
	Northwest	117.7	A	162.2	A	119.9	A
Lexington Avenue at E. 34th Street	Northeast	160.4	A	144.5	A	124.2	A
	Southeast	113.9	A	117.8	A	95.9	A
	Southwest	108.6	A	118.9	A	97.4	A
	Northwest	148.2	A	136.4	A	124.1	A
Third Avenue at E. 34th Street	Northeast	127.8	A	127.0	A	89.7	A
	Southeast	101.0	A	101.8	A	76.9	A
	Southwest	125.9	A	156.4	A	98.9	A
	Northwest	147.2	A	188.9	A	110.4	A
Second Avenue at E. 34th Street	Northeast	182.4	A	220.7	A	180.9	A
	Southeast	162.7	A	234.5	A	170.7	A
	Southwest	105.6	A	180.5	A	127.7	A
	Northwest	127.2	A	179.1	A	143.5	A
Tunnel Approach Road at E. 34th Street	Northeast	48.9	B	60.2	A	37.4	C
	Northwest	15.2	D	23.6	D	17.9	D
First Avenue at E. 34th Street	Northeast	101.2	A	201.0	A	96.5	A
	Southeast	99.2	A	170.6	A	94.5	A
	Southwest	124.5	A	183.9	A	119.5	A
	Northwest	138.5	A	206.3	A	124.3	A

**Note:** SFP = square feet per pedestrian

**Table D-9**  
**2014 Build Conditions—Crosswalk Level of Service Analysis**

Location	Crosswalk	Street Width (ft.)	Crosswalk Width (ft.)	AM		Midday		PM	
				SFP	LOS	SFP	LOS	SFP	LOS
Lexington Avenue at E. 42nd Street	North	50.5	20.6	12.9	E	24.9	C	17.2	D
	East	59.3	12.2	26.3	C	20.9	D	29.8	C
	South	50.9	20.5	26.0	C	32.6	C	17.6	D
	West	59.7	17.8	21.2	D	32.9	C	27.0	C
Third Avenue at E. 42nd Street	North	69.2	16.8	5.2	F	13.6	E	4.3	F
	East	58.9	16.6	27.9	C	20.7	D	32.7	C
	South	69.2	19.8	20.9	D	21.3	D	18.7	D
	West	58.8	16.3	33.2	C	30.0	C	23.3	D
Second Avenue at E. 42nd Street	North	69.3	18.0	20.8	D	36.3	C	39.4	C
	East	59.3	15.0	58.0	B	70.8	A	67.5	A
	South	69.2	19.0	74.2	A	58.7	B	56.7	B
	West	59.3	16.0	37.9	C	63.0	A	62.5	A
First Avenue at E. 42nd Street	North	101.0	30.0	50.3	B	43.4	B	41.5	B
	East	69.7	17.1	66.8	A	53.6	B	43.6	B
	South	126.0	13.0	61.0	A	62.8	A	85.7	A
	West	59.7	21.0	114.9	A	283.2	A	106.6	A
Third Avenue and E. 41st Street	North	71.0	15.0	49.9	B	100.8	A	80.7	A
	East	33.6	15.0	20.3	D	25.4	C	24.1	C/D
	South	71.0	16.0	45.8	B	45.8	B	42.0	B
	West	33.6	15.0	20.5	D	27.0	C	17.3	D
Third Avenue and E. 40th Street	North	69.6	16.0	59.7	B	37.9	C	44.1	B
	East	29.6	13.6	22.2	D	22.7	D	24.7	C/D
	South	70.0	16.0	51.4	B	34.9	C	50.4	B
	West	29.6	14.6	35.1	C	33.4	C	34.7	C
Tunnel Exit Street and E. 40th Street	North	31.6	11.0	41.2	B	30.5	C	31.3	C
	East	33.9	12.0	468.4	A	720.4	A	609.4	A
	South	31.6	13.6	57.4	B	38.3	C	76.7	A
	West	33.0	12.0	431.2	A	764.3	A	530.2	A
Second Avenue at E. 40th Street	North	70.7	10.3	98.2	A	35.6	C	28.3	C
	East	33.6	14.4	106.8	A	128.5	A	107.1	A
	South	69.4	11.8	76.5	A	40.6	B	60.9	A
	West	29.8	14.4	109.3	A	104.0	A	104.4	A
First Avenue at E. 40th Street	North	82.7	10.1	858.1	A	22.0	D	18.6	D
	South	69.4	10.3	259.3	A	27.4	C	133.3	A
	West	33.7	14.6	87.4	A	99.1	A	79.5	A
Third Avenue and E. 39th Street	North	32.0	13.0	34.9	C	31.3	C	52.2	B
	East	33.6	11.0	204.3	A	429.4	A	341.0	A
	South	31.0	13.6	63.5	A	35.9	C	44.9	B
	West	33.9	12.6	1417.8	A	808.6	A	538.6	A
Tunnel Exit Street and E. 39th Street	North	69.0	13.0	29.9	C	25.5	C	56.8	B
	East	34.0	16.0	47.1	B	42.2	B	51.2	B
	South	69.6	13.0	68.8	A	38.8	C	67.3	A
	West	34.0	14.6	62.7	A	42.9	B	62.3	A
Second Avenue at E. 39th Street	North	70.9	12.1	70.8	A	86.2	A	49.9	B
	East	33.6	13.3	100.0	A	100.4	A	112.6	A
	South	69.9	15.0	89.8	A	136.1	A	90.0	A
	West	33.3	14.0	148.9	A	77.6	A	90.5	A
Tunnel Approach Road at E. 39th Street	North	32.0	13.6	200.0	A	166.4	A	137.1	A
	East	33.2	10.3	457.0	A	1674.7	A	1674.7	A
	South	31.3	12.9	137.4	A	178.4	A	100.9	A
	West	33.8	10.7	718.0	A	718.0	A	155.7	A

**Note:** SFP = square feet per pedestrian

**Table D-9 (cont'd)**  
**2014 Build Conditions—Crosswalk Level of Service Analysis**

Location	Crosswalk	Street Width (ft.)	Crosswalk Width (ft.)	AM		Midday		PM	
				SFP	LOS	SFP	LOS	SFP	LOS
First Avenue at E. 39th Street	North	69.0	10.1	76.0	A	116.4	A	69.4	A
	South	69.0	13.8	157.9	A	146.3	A	72.5	A
	West	33.3	15.6	117.1	A	104.4	A	101.3	A
First Avenue at E. 38th Street	North	69.3	11.4	58.3	B	102.4	A	39.2	C
	East	39.0	13.6	73.3	A	82.1	A	64.5	A
	South	69.6	14.6	137.0	A	145.3	A	169.8	A
First Avenue at E. 37th Street	West	36.5	13.4	130.7	A	82.3	A	93.5	A
	North	69.5	13.5	404.5	A	365.2	A	206.1	A
	East	39.3	13.0	72.7	A	73.6	A	64.9	A
First Avenue at E. 36th Street	South	69.7	13.8	850.8	A	568.0	A	1493.0	A
	West	39.4	14.0	108.5	A	88.1	A	82.6	A
	North	69.8	14.0	188.4	A	284.0	A	161.9	A
First Avenue at E. 35th Street	East	31.3	14.0	62.9	A	75.0	A	60.5	A
	South	70.4	13.0	87.9	A	204.3	A	84.8	A
	West	39.5	14.0	122.7	A	90.0	A	94.7	A
First Avenue at E. 34th Street	North	69.6	16.2	224.8	A	432.2	A	420.1	A
	East	32.8	16.7	51.1	B	102.0	A	59.4	B
	South	69.4	15.6	208.4	A	304.2	A	128.2	A
Park Avenue at E. 34th Street	West	39.1	14.6	144.6	A	138.9	A	93.0	A
	North	96.4	15.5	60.8	A	65.0	A	45.1	B
	East	52.8	18.7	52.9	B	75.6	A	62.6	A
Lexington Avenue at E. 34th Street	South	82.6	20.4	38.9	C	49.5	B	40.5	B
	West	52.6	18.6	38.0	C	60.2	A	43.5	B
	North	50.5	14.5	77.0	A	63.3	A	63.4	A
Third Avenue at E. 34th Street	East	52.6	11.8	145.2	A	120.0	A	89.3	A
	South	50.4	16.0	48.5	B	59.1	B	49.0	B
	West	53.3	12.0	106.5	A	106.0	A	85.2	A
Second Avenue at E. 34th Street	North	69.1	17.7	41.4	B	56.0	B	26.9	C
	East	60.0	14.8	93.2	A	72.3	A	52.5	B
	South	69.4	13.2	28.4	C	33.8	C	26.3	C
Tunnel Approach Road at E. 34th Street	West	52.6	16.0	90.4	A	116.5	A	56.0	B
	North	68.9	18.3	57.1	B	75.1	A	52.1	B
	East	59.4	15.8	276.1	A	191.7	A	227.2	A
First Avenue at E. 34th Street	South	58.9	18.0	48.9	B	77.8	A	43.4	B
	West	59.4	16.4	136.9	A	132.5	A	123.6	A
	North	39.8	16.6	64.0	A	69.4	A	72.4	A
Tunnel Approach Road at E. 34th Street	East	59.3	15.6	455.4	A	454.3	A	660.7	A
	West	59.5	16.3	960.2	A	3462.9	A	3469.1	A
	North	69.5	14.2	37.5	C	66.3	A	21.6	D
First Avenue at E. 34th Street	East	59.0	19.0	71.7	A	161.4	A	62.5	A
	South	69.6	18.2	51.8	B	81.4	A	57.7	B
	West	60.2	16.3	114.2	A	163.0	A	82.3	A

**Note:** SFP = square feet per pedestrian

**Table D-10**  
**2014 Build with Mitigation Conditions—Sidewalk Level of Service Analysis**

Location	Sidewalk	Effective Width (ft.)	AM Peak Period				Midday Peak Period					PM Peak Period					
			Volume	PFM	LOS	PFM	LOS	Volume	PFM	LOS	PFM	LOS	Volume	PFM	LOS	PFM	LOS
E. 42nd Street between Lexington and Third Avenues	North	11	1160	7.0	C	11.0	D	741	4.5	A	8.5	C	1386	8.4	C	12.4	D
	South	12.7	984	5.2	B	9.2	C	724	3.8	A	7.8	C	1133	5.9	B	9.9	C
E. 42nd Street between Third and Second Avenues	North	13.8	680	3.3	A	7.3	C	506	2.4	A	6.4	B	668	3.2	A	7.2	C
	South	11.7	478	2.7	A	6.7	B	473	2.7	A	6.7	B	494	2.8	A	6.8	B
E. 42nd Street between Second and First Avenues	North	7.5	373	3.3	A	7.3	C	481	4.3	A	8.3	C	570	5.1	B	9.1	C
	South	11.9	202	1.1	A	5.1	B	272	1.5	A	5.5	B	162	0.9	A	4.9	A
First Avenue between E. 42nd and E. 41st Streets	East	9.6	292	2.0	A	6.0	B	535	3.7	A	7.7	C	556	3.9	A	7.9	C
First Avenue between E. 42nd and E. 40th Streets	West	6.8	226	2.2	A	6.2	B	127	1.2	A	5.2	B	242	2.4	A	6.4	B
Third Avenue between E. 41st Street and E. 42nd Street	West	10.2	737	4.8	A	8.8	C	579	3.8	A	7.8	C	899	5.9	B	9.9	C
	East	9.8	712	4.8	A	8.8	C	523	3.6	A	7.6	C	580	3.9	A	7.9	C
Third Avenue between E. 40th Street and E. 41st Street	West	10	501	3.3	A	7.3	C	627	4.2	A	8.2	C	560	3.7	A	7.7	C
	East	12	676	3.8	A	7.8	C	476	2.6	A	6.6	B	565	3.1	A	7.1	C
E. 40th Street between Third Avenue and Tunnel Exit Street	North	9	196	1.5	A	5.5	B	249	1.8	A	5.8	B	281	2.1	A	6.1	B
	South	12	184	1.0	A	5.0	B	281	1.6	A	5.6	B	148	0.8	A	4.8	A
E. 40th Street between Tunnel Exit Street and Second Avenue	North	10.6	187	1.2	A	5.2	B	240	1.5	A	5.5	B	277	1.7	A	5.7	B
	South	7	191	1.8	A	5.8	B	303	2.9	A	6.9	B	194	1.8	A	5.8	B
Third Avenue between E. 39th Street and 40th Street	West	10.3	407	2.6	A	6.6	B	503	3.3	A	7.3	C	395	2.6	A	6.6	B
	East	10.6	534	3.4	A	7.4	C	536	3.4	A	7.4	C	431	2.7	A	6.7	B
E. 40th Street between Second Avenue and Tunnel Approach Road	North	7.5	30	0.3	A	4.3	A	260	2.3	A	6.3	B	288	2.6	A	6.6	B
	South	6.8	132	1.3	A	5.3	B	382	3.7	A	7.7	C	148	1.5	A	5.5	B
E. 40th Street between Tunnel Approach Road and First Avenue	North	12.9	21	0.1	A	4.1	A	239	1.2	A	5.2	B	269	1.4	A	5.4	B
	South	13	139	0.7	A	4.7	A	276	1.4	A	5.4	B	172	0.9	A	4.9	A
First Avenue between E. 40th and E. 41st Streets	East	14.8	226	1.0	A	5.0	B	127	0.6	A	4.6	A	242	1.1	A	5.1	B
E. 39th Street between Third Avenue and Tunnel Exit Street	North	8.9	267	2.0	A	6.0	B	311	2.3	A	6.3	B	216	1.6	A	5.6	B
	South	4	163	2.7	A	6.7	B	277	4.6	A	8.6	C	168	2.8	A	6.8	B
E. 39th Street between Tunnel Exit Street and Second Avenue	North	6.3	212	2.2	A	6.2	B	287	3.0	A	7.0	C	182	1.9	A	5.9	B
	South	8	205	1.7	A	5.7	B	288	2.4	A	6.4	B	250	2.1	A	6.1	B
E. 39th Street between Second Avenue and Tunnel Approach Road	North	8.3	76	0.6	A	4.6	A	62	0.5	A	4.5	A	154	1.2	A	5.2	B
	South	8.2	74	0.6	A	4.6	A	69	0.6	A	4.6	A	112	0.9	A	4.9	A
E. 39th Street between Tunnel Approach Road and First Avenue	North	10.5	70	0.4	A	4.4	A	71	0.5	A	4.5	A	117	0.7	A	4.7	A
	South	7.3	56	0.5	A	4.5	A	72	0.7	A	4.7	A	89	0.8	A	4.8	A

**Notes:** PFM = Pedestrians per foot per minute.

**Table D-10 (cont'd)**  
**2014 Build with Mitigation Conditions—Sidewalk Level of Service Analysis**

Location	Sidewalk	Effective Width (ft.)	AM Peak Period				Midday Peak Period					PM Peak Period					
			Volume	PFM	LOS	PFM	LOS	Volume	PFM	LOS	PFM	LOS	Volume	PFM	LOS	PFM	LOS
First Avenue between E. 39th and E. 40th Streets	West	9.6	350	2.4	A	6.4	B	314	2.2	A	6.2	B	467	3.2	A	7.2	C
	East	7.9	285	2.4	A	6.4	B	265	2.2	A	6.2	B	423	3.6	A	7.6	C
First Avenue between E. 38th and E. 39th Streets	West	11.1	135	0.8	A	4.8	A	168	1.0	A	5.0	B	151	0.9	A	4.9	A
	East	10	581	3.9	A	7.9	C	544	3.6	A	7.6	C	820	5.5	B	9.5	C
First Avenue between E. 37th and E. 38th Streets	West	11	169	1.0	A	5.0	B	209	1.3	A	5.3	B	221	1.3	A	5.3	B
	East	9.8	231	1.6	A	5.6	B	259	1.8	A	5.8	B	244	1.7	A	5.7	B
First Avenue between E. 36th and E. 37th Streets	West	10.3	181	1.2	A	5.2	B	193	1.2	A	5.2	B	218	1.4	A	5.4	B
	East	8.8	257	1.9	A	5.9	B	246	1.9	A	5.9	B	240	1.8	A	5.8	B
First Avenue between E. 35th and E. 36th Streets	West	12.8	161	0.8	A	4.8	A	146	0.8	A	4.8	A	225	1.2	A	5.2	B
	East	8.8	428	3.2	A	7.2	C	249	1.9	A	5.9	B	388	2.9	A	6.9	B
E. 34th Street between Park and Lexington Avenues	North	13.5	276	1.4	A	5.4	B	233	1.2	A	5.2	B	332	1.6	A	5.6	B
	South	13.1	476	2.4	A	6.4	B	270	1.4	A	5.4	B	367	1.9	A	5.9	B
E. 34th Street between Lexington and Third Avenues	North	10.7	239	1.5	A	5.5	B	191	1.2	A	5.2	B	276	1.7	A	5.7	B
	South	10.8	303	1.9	A	5.9	B	310	1.9	A	5.9	B	347	2.1	A	6.1	B
E. 34th Street between Third Avenue and Tunnel Exit	North	10.8	184	1.1	A	5.1	B	147	0.9	A	4.9	A	194	1.2	A	5.2	B
	South	8.8	263	2.0	A	6.0	B	167	1.3	A	5.3	B	259	2.0	A	6.0	B
E. 34th Street between Second Avenue and Tunnel Approach Road	North	14.9	178	0.8	A	4.8	A	163	0.7	A	4.7	A	223	1.0	A	5.0	A
	South	14	304	1.4	A	5.4	B	186	0.9	A	4.9	A	321	1.5	A	5.5	B
E. 34th Street between Tunnel Approach Road and First Avenue	North	10.3	178	1.2	A	5.2	B	108	0.7	A	4.7	A	217	1.4	A	5.4	B
	South	16	316	1.3	A	5.3	B	227	0.9	A	4.9	A	241	1.0	A	5.0	B
First Avenue between E. 34th and E. 35th Streets	West	9	194	1.4	A	5.4	B	139	1.0	A	5.0	B	202	1.5	A	5.5	B
	East	9.6	340	2.4	A	6.4	B	211	1.5	A	5.5	B	337	2.3	A	6.3	B

**Notes:** PFM = Pedestrians per foot per minute.

**Table D-11**

**2014 Build with Mitigation Conditions—Corner Reservoir Level of Service Analysis**

Location	Corner	AM Peak Period		Midday Peak Period		PM Peak Period	
		SFP	LOS	SFP	LOS	SFP	LOS
Lexington Avenue at E. 42nd Street	Northeast	20.1	D	25.6	C	18.0	D
	Southeast	32.1	C	31.1	C	24.0	C/D
	Southwest	20.1	D	29.5	C	21.1	D
	Northwest	15.5	D	29.9	C	23.8	D
Third Avenue at E. 42nd Street	Northeast	38.4	C	36.4	C	20.4	D
	Southeast	30.5	C	33.1	C	28.4	C
	Southwest	24.8	C/D	40.5	B	28.2	C
	Northwest	30.6	C	43.0	B	25.2	C
Second Avenue at E. 42nd Street	Northeast	45.3	B	56.0	B	60.0	A
	Southeast	88.7	A	79.2	A	83.8	A
	Southwest	57.4	B	77.2	A	75.4	A
	Northwest	38.8	C	63.5	A	69.9	A
First Avenue at E. 42nd Street	Northeast	121.4	A	98.0	A	75.1	A
	Southeast	51.5	B	46.8	B	45.3	B
	Southwest	200.1	A	287.9	A	217.2	A
	Northwest	66.4	A	71.1	A	49.9	B
Third Avenue and E. 41st Street	Northeast	28.6	C	44.0	B	42.5	B
	Southeast	30.2	C	32.6	C	28.8	C
	Southwest	26.2	C	32.2	C	21.1	D
	Northwest	35.7	C	50.7	B	35.4	C
Third Avenue and E. 40th Street	Northeast	46.0	B	33.7	C	40.6	B/C
	Southeast	52.1	B	43.5	B	56.1	B
	Southwest	46.5	B	41.7	B	50.0	B
	Northwest	62.2	A	48.8	B	54.7	B
Tunnel Exit Street and E. 40th Street	Northeast	106.1	A	87.9	A	82.3	A
	Southeast	120.4	A	85.2	A	154.6	A
	Southwest	133.7	A	101.3	A	167.5	A
	Northwest	120.5	A	99.4	A	95.6	A
Second Avenue at E. 40th Street	Northeast	109.8	A	68.1	A	48.8	B
	Southeast	108.6	A	73.8	A	98.5	A
	Southwest	129.5	A	97.9	A	111.5	A
	Northwest	151.3	A	94.5	A	85.5	A
First Avenue at E. 40th Street	Southwest	109.5	A	64.9	A	99.3	A
	Northwest	105.4	A	44.4	B	41.4	B
Third Avenue and E. 39th Street	Northeast	58.4	B	53.6	B	78.2	A
	Southeast	57.5	B	41.9	B	60.8	A
	Southwest	60.9	A	43.2	B	64.8	A
	Northwest	55.3	B	39.0	C	70.3	A
Tunnel Exit Street and E. 39th Street	Northeast	61.9	A	65.2	A	98.1	A
	Southeast	95.4	A	70.0	A	83.2	A
	Southwest	127.3	A	72.6	A	74.7	A
	Northwest	109.6	A	94.8	A	140.6	A
Second Avenue at E. 39th Street	Northeast	97.1	A	105.5	A	83.7	A
	Southeast	102.3	A	120.3	A	110.9	A
	Southwest	112.2	A	101.1	A	90.2	A
	Northwest	129.3	A	93.3	A	83.9	A
Tunnel Approach Road at E. 39th Street	Northeast	21.9	D	22.5	D	20.0	D
	Southwest	139.5	A	193.6	A	88.5	A
	Northwest	53.4	B	42.3	B	22.6	D

**Note:** SFP = square feet per pedestrian

**Table D-11 (cont'd)**  
**2014 Build with Mitigation Conditions—Corner Reservoir Level of Service**  
**Analysis**

Location	Corner	AM Peak Period		Midday Peak Period		PM Peak Period	
		SFP	LOS	SFP	LOS	SFP	LOS
First Avenue at E. 39th Street	Southwest	129.3	A	113.9	A	83.0	A
	Northwest	108.5	A	117.5	A	94.4	A
First Avenue at E. 38th Street	Northeast	59.7	B	69.3	A	47.4	B
	Southeast	65.3	A	72.4	A	62.9	A
	Southwest	282.1	A	211.2	A	239.4	A
	Northwest	157.2	A	112.5	A	93.6	A
First Avenue at E. 37th Street	Northeast	88.6	A	85.7	A	71.2	A
	Southeast	92.6	A	94.9	A	87.8	A
	Southwest	128.3	A	104.3	A	103.4	A
	Northwest	304.9	A	258.5	A	223.0	A
First Avenue at E. 36th Street	Northeast	96.7	A	126.1	A	94.3	A
	Southeast	45.7	B	67.8	A	45.5	B
	Southwest	171.5	A	180.8	A	140.6	A
	Northwest	107.9	A	93.6	A	82.3	A
First Avenue at E. 35th Street	Northeast	62.3	A	120.2	A	74.6	A
	Southeast	93.6	A	177.7	A	98.0	A
	Southwest	113.9	A	123.6	A	69.2	A
	Northwest	248.9	A	275.8	A	204.6	A
Park Avenue at E. 34th Street	Northeast	136.6	A	177.5	A	141.3	A
	Southeast	130.1	A	180.0	A	145.5	A
	Southwest	78.1	A	110.6	A	90.4	A
	Northwest	117.7	A	162.1	A	119.9	A
Lexington Avenue at E. 34th Street	Northeast	160.4	A	144.5	A	124.2	A
	Southeast	113.9	A	117.8	A	96.0	A
	Southwest	108.6	A	118.9	A	97.5	A
	Northwest	148.2	A	136.4	A	124.1	A
Third Avenue at E. 34th Street	Northeast	128.2	A	126.8	A	89.7	A
	Southeast	101.5	A	101.7	A	76.9	A
	Southwest	126.4	A	156.4	A	99.0	A
	Northwest	147.6	A	188.9	A	110.5	A
Second Avenue at E. 34th Street	Northeast	182.4	A	220.7	A	180.1	A
	Southeast	162.7	A	234.5	A	170.1	A
	Southwest	105.6	A	180.5	A	127.5	A
	Northwest	127.2	A	179.1	A	143.5	A
Tunnel Approach Road at E. 34th Street	Northeast	48.9	B	60.8	A	37.4	C
	Northwest	15.2	D	24.3	C/D	17.9	D
First Avenue at E. 34th Street	Northeast	101.2	A	201.0	A	96.6	A
	Southeast	99.1	A	170.6	A	94.1	A
	Southwest	125.1	A	183.9	A	119.3	A
	Northwest	138.5	A	206.3	A	124.1	A

**Note:** SFP = square feet per pedestrian

**Table D-12  
2014 Build with Mitigation Conditions—Crosswalk Level of Service Analysis**

Location	Crosswalk	Street Width (ft.)	Crosswalk Width (ft.)	AM		Midday		PM	
				SFP	LOS	SFP	LOS	SFP	LOS
Lexington Avenue at E. 42nd Street	North	50.5	20.0	15.0	D	27.6	C	19.1	D
	East	59.3	13.0	23.3	D	19.0	D	27.2	C
	South	50.9	17.0	29.8	C	36.1	C	19.7	D
	West	59.7	14.0	18.6	D	30.1	C	24.7	C/D
Third Avenue at E. 42nd Street	North	69.2	22.0	6.5	F	16.5	D	5.2	F
	East	58.9	16.6	27.9	C	20.7	D	32.7	C
	South	69.2	19.8	20.9	D	21.3	D	18.7	D
	West	58.8	16.3	33.2	C	30.0	C	23.3	D
Second Avenue at E. 42nd Street	North	69.3	22.0	20.8	D	36.3	C	42.4	B
	East	59.3	15.0	58.0	B	70.8	A	63.8	A
	South	69.2	21.0	74.2	A	58.7	B	61.1	A
	West	59.3	16.0	37.9	C	63.0	A	59.1	B
First Avenue at E. 42nd Street	North	101.0	30.0	50.3	B	51.1	B	41.5	B
	East	69.7	12.0	66.8	A	48.8	B	43.6	B
	South	126.0	13.0	61.0	A	71.6	A	85.7	A
	West	59.7	16.0	114.9	A	260.2	A	106.6	A
Third Avenue and E. 41st Street	North	71.0	15.0	49.9	B	100.8	A	80.7	A
	East	33.6	15.0	20.3	D	25.4	C	24.1	C/D
	South	71.0	16.0	45.8	B	45.8	B	42.0	B
	West	33.6	15.0	20.5	D	27.0	C	17.3	D
Third Avenue and E. 40th Street	North	69.6	16.0	59.7	B	37.9	C	44.1	B
	East	29.6	13.6	22.2	D	22.7	D	24.7	C/D
	South	70.0	16.0	51.4	B	34.9	C	50.4	B
	West	29.6	14.6	35.1	C	33.4	C	34.7	C
Tunnel Exit Street and E. 40th Street	North	31.6	11.0	41.2	B	30.5	C	31.3	C
	East	33.9	12.0	468.4	A	720.4	A	609.4	A
	South	31.6	13.6	57.4	B	38.3	C	76.7	A
	West	33.0	12.0	431.2	A	764.3	A	530.2	A
Second Avenue at E. 40th Street	North	70.7	14.0	89.6	A	35.6	C	29.6	C
	East	33.6	11.0	111.9	A	128.5	A	104.6	A
	South	69.4	14.0	69.7	A	40.6	B	63.6	A
	West	29.8	13.0	114.3	A	104.0	A	101.9	A
First Avenue at E. 40th Street	North	82.7	10.1	858.1	A	22.0	D	18.6	D
	South	69.4	10.3	259.3	A	27.4	C	133.3	A
	West	33.7	14.6	87.4	A	99.1	A	79.5	A
Third Avenue and E. 39th Street	North	32.0	13.0	34.9	C	31.3	C	52.2	B
	East	33.6	11.0	204.3	A	429.4	A	341.0	A
	South	31.0	13.6	63.5	A	35.9	C	44.9	B
	West	33.9	12.6	1417.8	A	808.6	A	538.6	A
Tunnel Exit Street and E. 39th Street	North	69.0	13.0	29.9	C	25.5	C	56.8	B
	East	34.0	16.0	47.1	B	42.2	B	51.2	B
	South	69.6	13.0	68.8	A	38.8	C	67.3	A
	West	34.0	14.6	62.7	A	42.9	B	62.3	A
Second Avenue at E. 39th Street	North	70.9	12.0	70.8	A	78.6	A	45.5	B
	East	33.6	13.0	100.0	A	105.1	A	117.9	A
	South	69.9	12.0	89.8	A	124.2	A	82.1	A
	West	33.3	13.0	148.9	A	81.4	A	94.9	A
Tunnel Approach Road at E. 39th Street	North	32.0	13.6	222.2	A	166.4	A	137.1	A
	East	33.2	10.3	405.8	A	1674.7	A	1674.7	A
	South	31.3	12.9	153.5	A	178.4	A	100.9	A
	West	33.8	10.7	638.6	A	718.0	A	155.7	A

**Note:** SFP = square feet per pedestrian

**Table D-12 (cont'd)**  
**2014 Build with Mitigation Conditions—Crosswalk Level of Service Analysis**

Location	Crosswalk	Street Width (ft.)	Crosswalk Width (ft.)	AM		Midday		PM	
				SFP	LOS	SFP	LOS	SFP	LOS
First Avenue at E. 39th Street	North	69.0	10.1	69.4	A	116.4	A	60.4	A
	South	69.0	13.8	144.2	A	146.3	A	63.1	A
	West	33.3	15.6	122.5	A	104.4	A	108.6	A
First Avenue at E. 38th Street	North	69.3	14.0	58.3	B	108.9	A	54.8	B
	East	39.0	14.0	73.3	A	80.2	A	56.6	B
	South	69.6	13.0	137.0	A	151.6	A	206.6	A
First Avenue at E. 37th Street	West	36.5	13.0	130.7	A	80.3	A	82.4	A
	North	69.5	13.5	440.4	A	349.1	A	206.1	A
	East	39.3	13.0	69.2	A	75.3	A	64.9	A
First Avenue at E. 36th Street	South	69.7	13.8	924.2	A	543.5	A	1493.0	A
	West	39.4	14.0	103.3	A	90.2	A	82.6	A
	North	69.8	14.0	205.3	A	284.0	A	140.3	A
First Avenue at E. 35th Street	East	31.3	16.0	59.9	B	75.0	A	65.0	A
	South	70.4	18.0	95.6	A	204.3	A	73.7	A
	West	39.5	13.0	116.9	A	90.0	A	101.5	A
First Avenue at E. 34th Street	North	69.6	16.2	224.8	A	432.2	A	420.1	A
	East	32.8	16.7	51.1	B	102.0	A	59.4	B
	South	69.4	15.6	208.4	A	304.2	A	128.2	A
Park Avenue at E. 34th Street	West	39.1	14.6	144.6	A	138.9	A	93.0	A
	North	96.4	16.0	60.8	A	67.8	A	45.1	B
	East	52.8	17.0	52.9	B	73.5	A	62.6	A
Lexington Avenue at E. 34th Street	South	82.6	22.0	38.9	C	51.5	B	40.5	B
	West	52.6	18.0	38.0	C	58.5	B	43.5	B
	North	50.5	14.5	77.0	A	63.3	A	65.7	A
Third Avenue at E. 34th Street	East	52.6	11.8	145.2	A	120.0	A	86.9	A
	South	50.4	16.0	48.5	B	59.1	B	50.8	B
	West	53.3	12.0	106.5	A	106.0	A	82.9	A
Second Avenue at E. 34th Street	North	69.1	17.7	47.4	B	59.9	B	31.8	C
	East	60.0	14.8	93.2	A	67.8	A	49.2	B
	South	69.4	13.2	31.6	C	35.7	C	29.3	C
Tunnel Approach Road at E. 34th Street	West	52.6	16.0	90.4	A	109.5	A	52.5	B
	North	68.9	18.3	57.1	B	75.1	A	46.1	B
	East	59.4	15.8	276.1	A	191.7	A	240.3	A
First Avenue at E. 34th Street	South	58.9	18.0	48.9	B	77.8	A	38.6	C
	West	59.4	16.4	136.9	A	132.5	A	130.8	A
	North	39.8	16.6	64.0	A	76.2	A	72.4	A
Tunnel Approach Road at E. 34th Street	East	59.3	15.6	455.4	A	454.3	A	660.7	A
	West	59.5	16.3	960.2	A	3462.9	A	3469.1	A
	North	69.5	16.0	42.2	B	66.3	A	26.3	C
First Avenue at E. 34th Street	East	59.0	19.0	67.1	A	161.4	A	56.4	B
	South	69.6	18.2	56.7	B	81.4	A	63.3	A
	West	60.2	16.3	106.9	A	163.0	A	74.4	A

**Note:** SFP = square feet per pedestrian