J

Bally's Bronx
Construction Analysis - Supporting Documentation

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J-1

Bally's Bronx
Construction Stages

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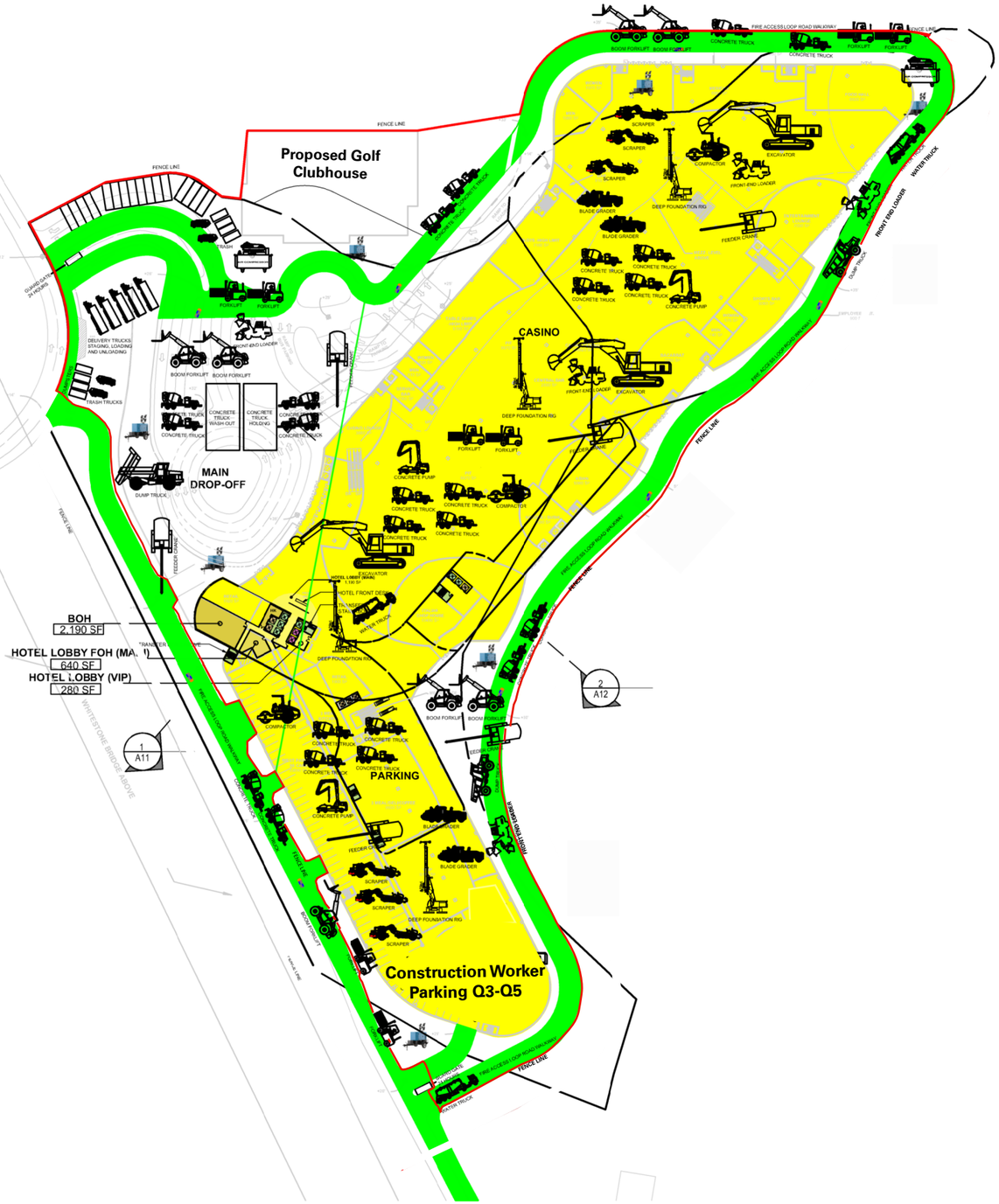


BALLY'S NYC-FERRY POINT

Excavation Foundation Building Plan

01/26/2024

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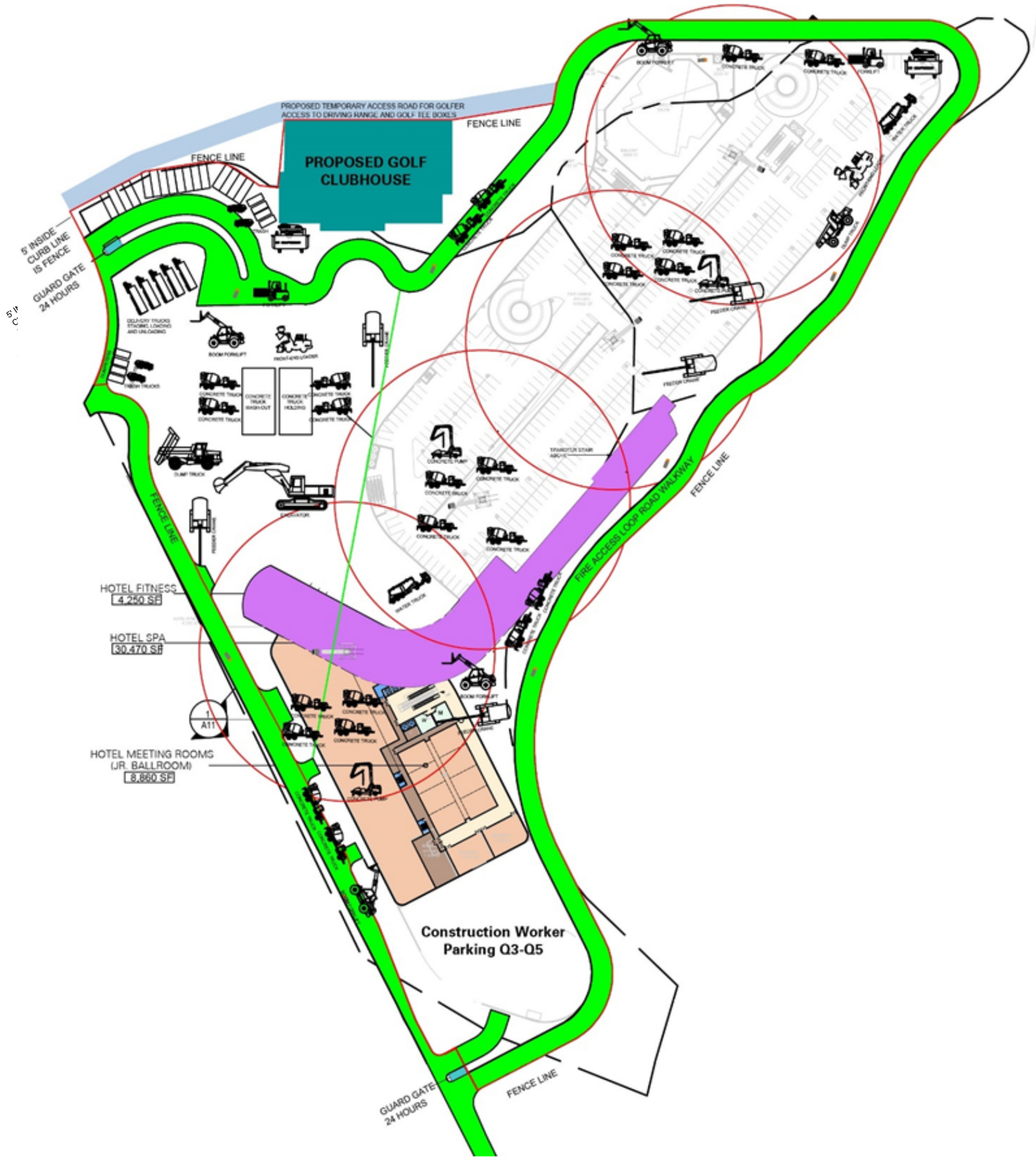
BALLY'S NYC-FERRY POINT

BALLY'S FERRY POINT PARK

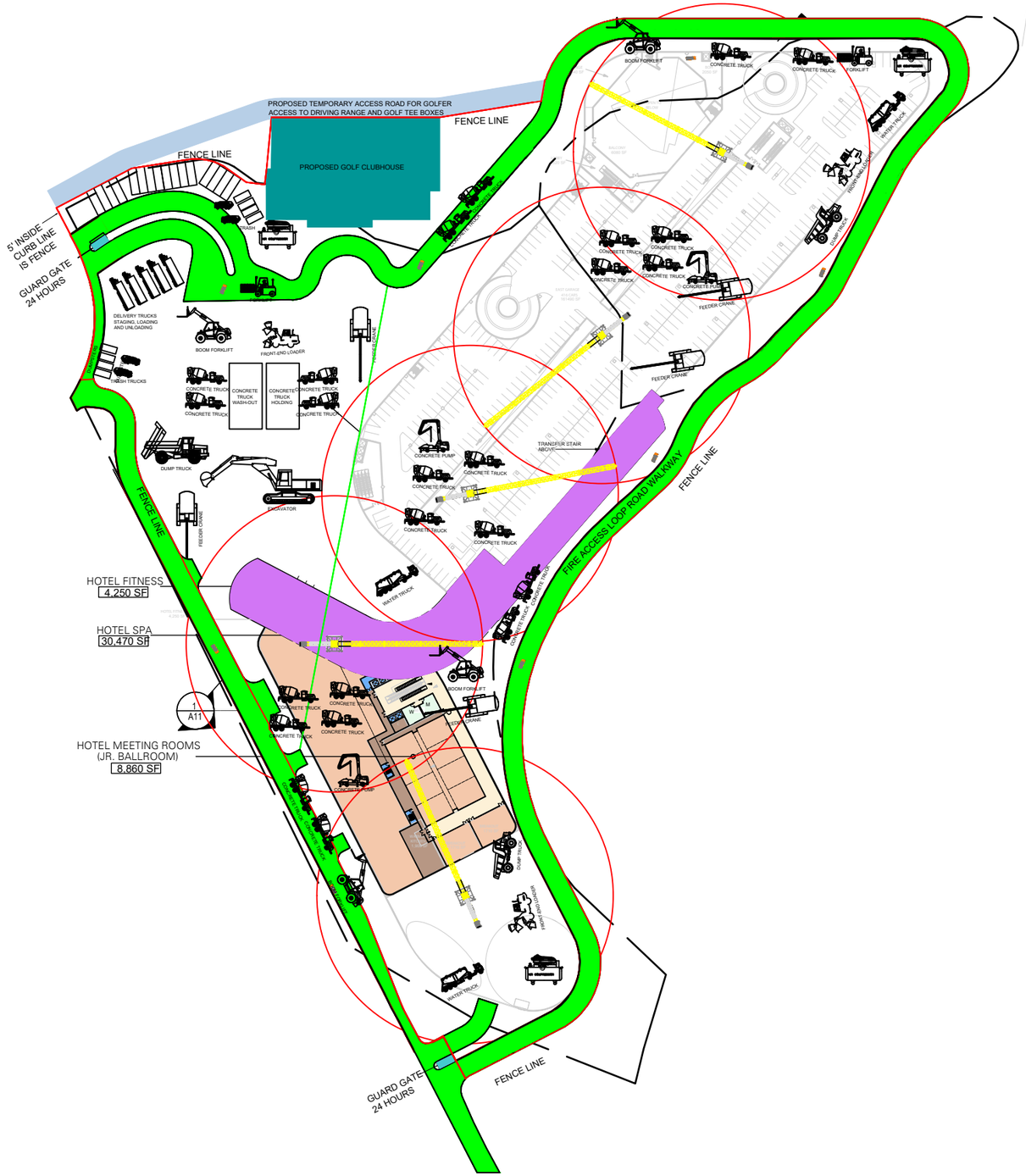
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Excavation Foundation Building Plan

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BALLY'S NYC-FERRY POINT

BALLY'S FERRY POINT PARK

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Superstructure/Interior Fit-out Building Plan Sheet

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Bally's Bronx
Construction Traffic

LANGAN

STONEFIELD

Table J-1: Local Intersection Comparative Level of Service (Delay) Table

Intersection	Lane Group	Construction AM Peak Hour								Construction PM Peak Hour								Mitigation Changes to Timings and Lane Configuration
		2024 Existing		2028 No-Action		2028 With-Action		2028 With-Action with Mitigation		2024 Existing		2028 No-Action		2028 With-Action		2028 With-Action with Mitigation		
		LOS (Delay)	V/C	LOS (Delay)	V/C	LOS (Delay)	V/C	LOS (Delay)	V/C	LOS (Delay)	V/C	LOS (Delay)	V/C	LOS (Delay)	V/C	LOS (Delay)	V/C	
Signalized Intersections																		
Lafayette Avenue (E/W) & Hutchinson River Parkway NB Service Road (N)	EB Through	A (9.1)	0.18	A (9.9)	0.24	A (9.9)	0.24	B (10.2)	0.27	A (5.1)	0.33	A (6.4)	0.44	A (6.4)	0.44	A (6.4)	0.44	Lafayette Avenue (E/W) & Hutchinson River Parkway NB Service Road (N) *Construction AM* -Shift 5 s of green time from EB/WB Lafayette Ave signal phase to NB HRP signal phase (EB/WB green time shifts from 49 s to 44 s, NB green time shifts from 31 s to 36 s)
	WB Through	B (14.5)	0.34	B (14.8)	0.35	B (16.0)	0.38	C (24.0)	0.43	B (17.5)	0.45	B (17.6)	0.46	B (17.9)	0.46	B (17.9)	0.46	
	NB Left	C (22.1)	0.23	C (22.1)	0.23	F (98.6)	1.08	D (53.1)	0.93	C (22.8)	0.28	C (22.9)	0.28	D (36.0)	0.74	D (36.0)	0.74	
	NB Right	C (20.2)	0.08	C (20.2)	0.08	C (20.2)	0.08	B (17.0)	0.08	C (21.0)	0.15	C (21.0)	0.15	C (21.6)	0.19	C (21.6)	0.19	
	Overall	**B (15.0)**		**B (15.3)**		**D (42.8)**		**C (31.2)**		**B (15.4)**		**B (15.8)**		**B (19.7)**		**B (19.7)**		
Lafayette Avenue (E/W) & Hutchinson River Parkway SB Service Road (S)	EB Through	C (21.2)	0.21	C (21.3)	0.21	C (20.3)	0.21	C (20.3)	0.21	C (24.9)	0.45	C (24.9)	0.45	C (24.6)	0.45	C (24.6)	0.45	
	EB Right	C (20.5)	0.14	C (20.7)	0.14	B (19.7)	0.14	B (19.7)	0.14	C (25.1)	0.44	C (25.2)	0.45	C (24.9)	0.45	C (24.9)	0.45	
	WB Left	B (11.7)	0.40	B (11.8)	0.40	F (102.3)	1.14	F (100.4)	1.14	E (56.2)	1.00	E (60.3)	1.01	F (212.6)	1.40	F (212.6)	1.40	
	WB Through	A (8.9)	0.26	B (14.0)	0.55	B (18.1)	0.56	B (15.2)	0.56	A (9.5)	0.22	B (12.1)	0.46	B (14.9)	0.46	B (14.9)	0.46	
	SB Left/Through/Right	C (22.1)	0.28	C (22.2)	0.29	C (22.4)	0.31	C (22.4)	0.31	C (31.8)	0.78	C (32.6)	0.80	C (32.6)	0.80	C (32.6)	0.80	
	Overall	**B (14.8)**		**B (16.8)**		**D (54.1)**		**D (52.5)**		**C (32.8)**		**C (34.5)**		**F (82.8)**		**F (82.8)**		
Bally's Links Golf Course Driveway/Waterfront Access Roadway (W) & Ring Road (N)	WB Right	-	-	-	-	B (18.0)	0.53	B (18.0)	0.53	-	-	-	-	C (32.2)	0.94	C (32.2)	0.94	Bally's Links Golf Course Driveway/Waterfront Access Roadway (W) & Ring Road (N) The construction site driveway at Ring Road would remain unsignalized during Construction, but a Traffic Enforcement Agent / Construction Flagman would be present during the construction peak hours to facilitate traffic entering/exiting the site driveway. As such, the construction site driveway intersection would operate as if it was signalized.
	NB Through	-	-	-	-	B (12.7)	0.23	B (12.7)	0.23	-	-	-	-	C (20.7)	0.46	C (20.7)	0.46	
	NB Right	-	-	-	-	A (7.0)	0.77	A (7.0)	0.77	-	-	-	-	A (0.8)	0.01	A (0.8)	0.01	
	Overall	**-**		**-**		**A (9.2)**		**A (9.2)**		**-**		**-**		**C (29.3)**		**C (29.3)**		
Bruckner Boulevard (E/W/SE) & Brush Avenue (N/S)	EB Left	-	-	E (65.9)	0.46	E (65.9)	0.46	E (65.9)	0.46	-	-	D (51.8)	0.25	D (51.8)	0.25	D (51.8)	0.25	
	EB Through	D (37.1)	0.56	C (34.2)	0.69	C (34.5)	0.70	C (34.5)	0.70	D (35.6)	0.73	C (34.0)	0.82	C (23.0)	0.41	C (23.0)	0.41	
	EB Right	C (30.9)	0.32	D (50.8)	0.66	E (55.5)	0.74	E (55.5)	0.74	C (31.1)	0.58	F (366.3)	1.66	F (366.3)	1.66	F (366.3)	1.66	
	WB Left	E (55.3)	0.14	C (23.8)	0.06	C (23.9)	0.07	C (23.9)	0.07	F (91.6)	0.80	C (27.7)	0.47	B (17.5)	0.25	B (17.5)	0.25	
	WB Through	C (32.0)	0.70	-	-	-	-	-	-	D (38.3)	0.86	-	-	-	-	-	-	
	WB Through/Right	-	-	C (29.7)	0.53	C (29.7)	0.53	C (29.7)	0.53	-	-	C (25.0)	0.54	C (25.0)	0.54	C (25.0)	0.54	
	WB Right	C (20.8)	0.03	-	-	-	-	-	-	B (19.5)	0.02	-	-	-	-	-	-	
	NB Left	D (38.4)	0.61	D (48.0)	0.70	D (48.0)	0.70	D (48.0)	0.70	D (42.8)	0.68	F (94.8)	1.02	F (94.8)	1.02	F (94.8)	1.02	
	NB Left/Through	D (37.4)	0.59	-	-	-	-	-	-	D (41.7)	0.66	-	-	-	-	-	-	
	NB Through/Right	-	-	C (30.0)	0.22	C (30.0)	0.22	C (30.0)	0.22	-	-	D (49.9)	0.61	D (49.9)	0.61	D (49.9)	0.61	
	NB Right	C (27.8)	0.21	-	-	-	-	-	-	C (33.0)	0.41	-	-	-	-	-	-	
	SB Left/Through/Right	C (27.9)	0.22	-	-	-	-	-	-	C (27.6)	0.12	-	-	-	-	-	-	
	SB Left/Through	-	-	E (55.6)	0.36	E (55.6)	0.36	E (55.6)	0.36	-	-	E (60.8)	0.31	E (60.8)	0.31	E (60.8)	0.31	
	SB Right	-	-	D (43.7)	0.23	D (43.7)	0.23	D (43.7)	0.23	-	-	D (42.7)	0.17	D (42.7)	0.17	D (42.7)	0.17	
	SEB Left	E (60.9)	0.41	-	-	-	-	-	-	E (58.7)	0.35	-	-	-	-	-	-	
	SEB Through	C (29.0)	0.58	-	-	-	-	-	-	D (48.4)	0.90	-	-	-	-	-	-	
	Overall	**C (33.7)**		**D (37.5)**		**D (38.1)**		**D (38.1)**		**D (40.6)**		**E (77.2)**		**F (83.5)**		**F (83.5)**		
Randall Avenue (E/W) & Cross Bronx Expressway Ext NB Service Road (N)	EB Left	B (17.6)	0.44	B (18.0)	0.45	B (18.0)	0.45	B (18.0)	0.45	C (23.2)	0.59	C (23.6)	0.60	C (23.6)	0.60	C (23.6)	0.60	
	EB Through	B (17.2)	0.48	B (17.3)	0.49	B (17.3)	0.49	B (17.3)	0.49	C (21.4)	0.66	C (21.6)	0.66	C (21.6)	0.66	C (21.6)	0.66	
	WB Through/Right	C (23.0)	0.29	C (23.2)	0.31	C (23.2)	0.31	C (23.2)	0.31	C (24.2)	0.38	C (24.2)	0.39	C (24.2)	0.39	C (24.2)	0.39	
	NB Left/Through/Right	C (20.1)	0.34	C (20.2)	0.35	C (20.7)	0.39	C (20.7)	0.39	B (19.4)	0.28	B (19.4)	0.28	B (19.4)	0.28	B (19.4)	0.28	
	Overall	**B (19.5)**		**B (19.7)**		**B (19.9)**		**B (19.9)**		**C (21.9)**		**C (22.1)**		**C (22.1)**		**C (22.1)**		
Randall Avenue (E/W) & Cross Bronx Expressway Ext SB Service Road (S)	EB Through/Right	B (13.7)	0.24	B (13.7)	0.24	B (13.7)	0.24	B (13.7)	0.24	B (14.0)	0.27	B (14.0)	0.27	B (14.0)	0.27	B (14.0)	0.27	
	WB Left	B (14.9)	0.25	B (15.5)	0.28	B (15.5)	0.28	B (15.5)	0.28	B (14.4)	0.21	B (14.5)	0.22	B (14.5)	0.22	B (14.5)	0.22	
	WB Through	B (12.9)	0.10	B (12.9)	0.10	B (12.9)	0.10	B (12.9)	0.1	B (13.6)	0.17	B (13.6)	0.17	B (13.6)	0.17	B (13.6)	0.17	
	SB Left/Through	B (11.7)	0.44	B (11.7)	0.44	B (11.8)	0.45	B (11.8)	0.45	C (20.2)	0.84	C (21.1)	0.86	C (23.4)	0.89	C (23.4)	0.89	
	SB Right	A (9.9)	0.18	A (9.9)	0.18	A (9.9)	0.18	A (9.9)	0.18	B (11.5)	0.33	B (11.6)	0.34	B (11.6)	0.34	B (11.6)	0.34	
	Overall	**B (12.3)**		**B (12.4)**		**B (12.4)**		**B (12.4)**		**B (17.8)**		**B (18.4)**		**C (20.0)**		**C (20.0)**		
Lafayette Avenue (E/W) & Cross Bronx Expressway Ext NB Service Road (N)	EB Left/Through	B (11.6)	0.14	C (20.2)	0.14	C (20.3)	0.14	C (20.3)	0.14	B (18.5)	0.26	C (24.4)	0.26	C (24.8)	0.27	C (24.1)	0.27	
	WB Through/Right	B (12.5)	0.17	B (12.5)	0.17	B (12.6)	0.18	B (12.6)	0.18	B (13.9)	0.31	B (13.9)	0.32	B (13.9)	0.32	B (13.9)	0.32	
	NB Left/Through/Right	C (23.4)	0.55	C (23.7)	0.57	C (24.4)	0.89dl	C (24.4)	0.89dl	C (20.4)	0.36	C (20.4)	0.36	C (20.4)	0.36	C (20.4)	0.36	
	Overall	**B (18.8)**		**C (20.4)**		**C (20.9)**		**C (20.9)**		**B (17.3)**		**B (18.9)**		**B (19.1)**		**B (18.9)**		
Lafayette Avenue (E/W) & St. Raymonds Cemetery Gate (NE) & Cross Bronx Expressway Ext SB Service Road (S)	EB Left/Through/Right	B (18.2)	0.29	C (27.8)	0.57	C (27.7)	0.58	C (27.9)	0.58	C (25.3)	0.44	D (45.2)	0.86	E (57.1)	0.96	D (50.9)	0.93	Lafayette Avenue (E/W) & St. Raymonds Cemetery Gate (NE) & Cross Bronx Expressway Ext SB Service Rd (S) *Construction PM* -Shift 1 s green time from NEB St. Raymonds Cemetery Gate signal phase to EB/WB Lafayette Ave signal phase (NEB green time shifts from 9 s to 8 s; EB/WB green time shifts from 42 s to 43 s)
	WB Left/Through/Right	B (18.4)	0.56	B (19.0)	0.57	C (20.6)	0.62	C (20.6)	0.62	B (17.7)	0.64	B (18.0)	0.66	B (18.3)	0.67	B (17.5)	0.65	
	SB Left/Through/Right	C (26.1)	0.17	C (26.1)	0.17	C (26.1)	0.17	C (26.1)	0.17	C (30.7)	0.47	C (31.3)	0.50	C (31.3)	0.50	C (31.3)	0.50	
	NEB Left/Through/Righ	D (37.0)	0.03	D (37.0)	0.03	D (37.0)	0.03	D (37.0)	0.03	D (37.6)	0.07	D (37.6)	0.07	D (37.6)	0.07	D (38.8)	0.08	
	Overall	**B (19.0)**		**C (22.3)**		**C (23.2)**		**C (23.2)**		**C (22.5)**		**C (29.7)**		**C (34.7)**		**C (32.1)**		
Unsignalized Intersections																		
Bally's Links Golf Course Driveway/Waterfront Access Roadway (W) & Ring Road (N)	WB Right	A (9.1)	-	A (9.2)	-	-	-	-	-	A (9.7)	-	A (9.7)	-	-	-	-	-	
Schley Avenue (E) & Hutchinson River Parkway SB Service Road (S)	EB Right	B (10.1)	-	B (10.2)	-	D (28.3)	-	D (28.3)	-	A (9.9)	-	A (9.9)	-	A (10.0)	-	A (10.0)	-	

Notes:

1. Delays and Levels of Service calculated based on Highway Capacity Manual (HCM) 2000 methodology.
2. X (n) = Level of Service (seconds of delay per vehicle)
3. Yellow highlighted cells denote movements experiencing a significant impact compared to the No-Action Condition per CEQR Technical Manual methodology.

Table J-2 – Weekday AM Construction Highway LOS Analyses- Existing (2024) & No Action (2028)										
Location #	Mainline	Direction	Name	Facility Type	Existing (2024)			Future No Action (2028)		
					Speed (MPH)	Density (veh/mi/ln)	LOS	Speed (MPH)	Density (veh/mi/ln)	LOS
1	I-95	WB	Cross Bronx Expressway, Before Exit 5A	Basic	16	42.2	E	16	42.8	E
2	I-678	NB	Hutchinson River Expressway, From 19N On-ramp to 19N Off-ramp	Diverge	49	8.0	A	49	8.1	A
3	I-95	WB	Bruckner Expressway, Before Exit 6A	Diverge	48	17.2	B	48	17.4	B
4	I-95	EB	Cross Bronx Expressway, Between Zerega Ave and I-678	Basic	51	19.5	C	51	19.8	C
5	I-95	WB	I-95, Crossing over Zerega Ave	Merge	49	12.5	B	49	12.7	B
6	I-278	WB	CB-Exit 12-Merges with I-278 over Zerega Ave	Merge	51	15.9	B	51	16.1	B
7	I-278	WB	Bruckner Expressway, Before Havemeyer Ave	Merge	51	18.3	B	51	18.5	B
8	I-678	SB	Bronx-Whitestone Bridge	Basic	41	31.1	D	41	31.5	D
9	I-278	WB	Bruckner Expressway, Between Huntington Ave and Zerega Ave	Basic	52	11.3	B	52	11.4	B
10	I-278	EB	Off-ramp Bruckner Expwy Exit 54	Diverge	42	14.8	B	42	15.1	B
11	I-678	WB	Between crossing over I-678 NB to 19W off-ramp	Basic	38	5.4	A	38	5.5	A
12	I-95	WB	I-95, Between Exit 6A to 19W off-ramp	Basic	53	7.9	A	52	8.0	A
13	I-278	EB	Bruckner Expressway, Exit 54, On-ramp - Hutch SB/I 295 SB	Diverge	42	8.7	A	42	8.9	A
14	I-278	EB	Bruckner Expressway, Beginning of two-lane section to the I-95 merge (crossing over I-678)	Basic	53	10.7	A	53	10.9	A

Table J-2 – Weekday AM Construction Highway LOS Analyses- Existing (2024) & No Action (2028)										
Location #	Mainline	Direction	Name	Facility Type	Existing (2024)			Future No Action (2028)		
					Speed (MPH)	Density (veh/mi/ln)	LOS	Speed (MPH)	Density (veh/mi/ln)	LOS
15	I-678	NB	Hutchinson River Parkway, From 19N Off-ramp to Hutchinson River Parkway North On-ramp	Basic	51	21.8	C	51	22.1	C
16	I-295	SE	Cross Bronx Expressway, From the merge crossing over I-678 to Exit 11	Weaving	52	11.9	B	52	12.1	B
17	I-278	EB	Bruckner Expressway, From Exit 54 to lane drop from three to two	Basic	53	7.1	A	53	7.2	A
18	I-95	WB	I-95, Crossing over Brush Ave (downstream of Exit 6A)	Basic	51	16.3	B	51	16.5	B
19	I-95	WB	I-95, Crossing over Brush Ave (downstream of Exit 19W)	Basic	51	8.0	A	50	8.1	A
20	I-678	SB	Hutchinson River Expressway, From I-278/I-678 Merge to Senger Pl On-Ramp	Merge	38	24.6	C	38	25.1	C
21	I-295	NW	Cross Bronx Expressway, Crossing over Lafayette Ave	Weaving	50	12.5	B	50	12.6	B
22	I-295	NW	Cross Bronx Expressway, After Off-ramp 12	Basic	52	8.6	A	52	8.7	A
23	I-295	WB	Cross Bronx Expressway, Crossing over Brush Ave and Zerega Ave	Basic	52	11.9	B	52	12.1	B
24	I-678	NB	Hutchinson River Parkway, Between Hutchinson River Parkway North On-ramp to 1A Off-ramp	Weaving	51	17.7	B	51	17.9	B
25	I-678	SB	Hutchinson River Parkway, After 1A Off-ramp	Basic	52	23.3	C	52	23.7	C

Table J-2 – Weekday AM Construction Highway LOS Analyses- Existing (2024) & No Action (2028)										
Location #	Mainline	Direction	Name	Facility Type	Existing (2024)			Future No Action (2028)		
					Speed (MPH)	Density (veh/mi/ln)	LOS	Speed (MPH)	Density (veh/mi/ln)	LOS
26	I-95	EB	Bruckner Expressway, from I-95/I-278 Merge to Huntington Ave	Merge	52	12.5	B	52	12.7	B
27	I-678	SB	Hutchinson River Expressway, Before Exit 18	Weaving	40	20.7	C	39	21.1	C
28	I-678	NB	Hutchinson River Expressway, Before Exit 19N	Diverge	50	15.8	B	50	16.1	B
29	I-678	NB	Hutch NB - Bruckner Expwy/CBE, Between Exit 19N and Exit 19W	Basic	28	12.2	B	28	12.4	B
30	I-678	NB	Hutchinson River Parkway, Between 1A Off-ramp and On-ramp from Bruckner Blvd	Basic	53	16.5	B	53	16.7	B
31	Hutchinson River Parkway	NB	Hutchinson River Parkway, Before the Gas station Exit	Basic	64	19.5	C	64	19.6	C
32	I-278	WB	Bruckner Expressway, Before 53 Off-ramp	Basic	50	25.3	C	50	25.6	C
33	I-95	EB	Cross Bronx Expressway, Between 6A Off-ramp to downstream diverge	Diverge	52	20.4	C	52	20.7	C
34	Hutchinson River Parkway	SB	Hutchinson River Parkway, Before 1A Off-ramp	Diverge	53	19.3	B	53	19.6	B
35	I-678	WB	Crossing over I-678 NB/SB before Exit 19W	Diverge	27	8.5	A	27	8.6	A

Table J-2 – Weekday AM Construction Highway LOS Analyses- Existing (2024) & No Action (2028)										
Location #	Mainline	Direction	Name	Facility Type	Existing (2024)			Future No Action (2028)		
					Speed (MPH)	Density (veh/mi/ln)	LOS	Speed (MPH)	Density (veh/mi/ln)	LOS
36	I-295	NW	Cross Bronx Expressway, Crossing over Randall Ave	Basic	51	14.3	B	51	14.5	B
37	I-95	NW	Cross Bronx Expressway, Between Haviland Ave/CB SRD intersection and upstream Highway Merge	Merge	16	39.8	E	16	40.5	E
38	I-95	SE	Cross Bronx Expressway, Before 6A Off-ramp	Diverge	52	22.4	C	52	22.7	C
39	I-295	SE	Cross Bronx Expressway, Before I-695 Merge	Basic	46	27.5	D	46	28.1	D
40	I-95	NE	Bruckner Expressway, Before 7C Off-ramp	Basic	32	29.5	D	32	29.9	D
41	I-95	SW	Bruckner Expressway, Before 6B Off-ramp	Diverge	51	18.5	B	51	18.8	B
42	I-295	NW	Cross Bronx Expressway, Before 11 Off-ramp	Diverge	52	13.3	B	52	13.5	B
43	I-295	SE	Cross Bronx Expressway, After Off-ramp 11	Basic	52	15.1	B	52	15.3	B
44	I-678	NB	Hutchinson River Expressway, Before the On-ramp which is located upstream of Off-ramp 18	Basic	41	24.4	C	41	24.8	C
45	I-678	NB	Hutchinson River Expressway, Before Off-ramp 18	Weaving	50	14.6	B	50	14.8	B
46	I-295	NW	CB-Exit 12, Crossing over I-678	Basic	53	12.5	B	53	12.7	B
47	I-678	SB	Hutchinson River Expressway, From the On-ramp to around Lafayette Ave	Merge	48	27.5	C	48	28.1	D

Table J-2 – Weekday AM Construction Highway LOS Analyses- Existing (2024) & No Action (2028)										
Location #	Mainline	Direction	Name	Facility Type	Existing (2024)			Future No Action (2028)		
					Speed (MPH)	Density (veh/mi/ln)	LOS	Speed (MPH)	Density (veh/mi/ln)	LOS
48	I-95	EB	I-95, From Zerega Ave to the Merge with I-278	Basic	52	11.5	B	52	11.7	B
49	I-678	SB	Bronx-Whitestone Bridge, a section around Bronx-Whitestone Bridge MTA Building	Basic	35	37.1	E	34	38.2	E
50	I-678	NB	Hutchinson River Expressway, Before around Bronx-Whitestone Bridge MTA Building	Basic	42	28.6	D	41	29.1	D
51	I-678	SB	Bronx-Whitestone Bridge, After Off-ramp 18	Basic	41	23.5	C	41	24.0	C
52	I-295	SE	Cross Bronx Expressway, Three-lane section between Dewey Ave and Sampson Ave	Basic	50	16.7	B	50	17.0	B
53	I-278	EB	Bruckner Expwy, Before Exit 54	Diverge	53	12.1	B	53	12.3	B
54	I-95	SW	Bruckner Expressway, After Exit 7A	Basic	52	18.3	C	52	18.6	C
55	I-95	NE	Bruckner Expressway, After Huntington Ave	Merge	50	16.5	B	50	16.8	B
56	I-295	SE	Cross Bronx Expressway, After the On-ramp around Schley Ave	Merge	51	13.4	B	51	13.6	B
57	I-295	NW	Cross Bronx Expressway, After Exit 10	Basic	53	14.4	B	53	14.7	B
58	I-95	NW	Cross Bronx Expressway, Four-lane section after around Castle Hill Ave	Basic	16	38.4	E	16	38.9	E
59	I-278	WB	Bruckner Expressway, Crossing under Castle Hill Ave	Basic	46	23.6	C	46	23.9	C

Table J-2 – Weekday AM Construction Highway LOS Analyses- Existing (2024) & No Action (2028)										
Location #	Mainline	Direction	Name	Facility Type	Existing (2024)			Future No Action (2028)		
					Speed (MPH)	Density (veh/mi/ln)	LOS	Speed (MPH)	Density (veh/mi/ln)	LOS
60	I-278	WB	Bruckner Expressway, After the On-ramp around Havemeyer Ave	Merge	49	17.1	B	49	17.4	B
61	Hutchinson River Parkway	NB	Hutchinson River Parkway, After the On-ramp from Bruckner Blvd	Merge	52	15.7	B	52	15.9	B

Table J-3 – Weekday AM Construction Highway LOS Analyses- With Action (2028) & With Mitigation (2028)										
Location #	Mainline	Direction	Name	Facility Type	With Action (2028)			With Mitigation (2028)		
					Speed (MPH)	Density (veh/mi/ln)	LOS	Speed (MPH)	Density (veh/mi/ln)	LOS
1	I-95	WB	Cross Bronx Expressway, Before Exit 5A	Basic	16	43.6	E	16	43.6	E
2	I-678	NB	Hutchinson River Expressway, From 19N On-ramp to 19N Off-ramp	Diverge	48	8.8	A	49	8.8	A
3	I-95	WB	Bruckner Expressway, Before Exit 6A	Diverge	48	18.9	B	48	18.9	B
4	I-95	EB	Cross Bronx Expressway, Between Zerega Ave and I-678	Basic	51	19.8	C	51	19.8	C
5	I-95	WB	I-95, Crossing over Zerega Ave	Merge	49	13.3	B	49	13.4	B
6	I-278	WB	CB-Exit 12-Merges with I-278 over Zerega Ave	Merge	51	16.1	B	51	16.2	B
7	I-278	WB	Bruckner Expressway, Before Havemeyer Ave	Merge	51	18.5	B	51	18.6	B
8	I-678	SB	Bronx-Whitestone Bridge	Basic	41	31.9	D	41	32.0	D
9	I-278	WB	Bruckner Expressway, Between Huntington Ave and Zerega Ave	Basic	52	11.4	B	52	11.4	B
10	I-278	EB	Off-ramp Bruckner Expwy Exit 54	Diverge	42	16.6	B	42	16.6	B
11	I-678	WB	Between crossing over I-678 NB to 19W off-ramp	Basic	37	6.2	A	37	6.3	A
12	I-95	WB	I-95, Between Exit 6A to 19W off-ramp	Basic	52	8.0	A	52	8.0	A
13	I-278	EB	Bruckner Expressway, Exit 54, On-ramp - Hutch SB/I 295 SB	Diverge	42	10.7	B	42	10.7	B
14	I-278	EB	Bruckner Expressway, Beginning of two-lane section to the I-95 merge (crossing over I-678)	Basic	53	10.9	A	53	10.9	A

Table J-3 – Weekday AM Construction Highway LOS Analyses- With Action (2028) & With Mitigation (2028)										
Location #	Mainline	Direction	Name	Facility Type	With Action (2028)			With Mitigation (2028)		
					Speed (MPH)	Density (veh/mi/ln)	LOS	Speed (MPH)	Density (veh/mi/ln)	LOS
15	I-678	NB	Hutchinson River Parkway, From 19N Off-ramp to Hutchinson River Parkway North On-ramp	Basic	51	24.3	C	51	24.1	C
16	I-295	SE	Cross Bronx Expressway, From the merge crossing over I-678 to Exit 11	Weaving	52	12.0	B	52	12.1	B
17	I-278	EB	Bruckner Expressway, From Exit 54 to lane drop from three to two	Basic	53	7.2	A	53	7.2	A
18	I-95	WB	I-95, Crossing over Brush Ave (downstream of Exit 6A)	Basic	51	16.5	B	51	16.5	B
19	I-95	WB	I-95, Crossing over Brush Ave (downstream of Exit 19W)	Basic	49	9.2	A	49	9.3	A
20	I-678	SB	Hutchinson River Expressway, From I-278/I-678 Merge to Senger Pl On-Ramp	Merge	38	28.6	D	38	28.7	D
21	I-295	NW	Cross Bronx Expressway, Crossing over Lafayette Ave	Weaving	50	12.6	B	50	12.6	B
22	I-295	NW	Cross Bronx Expressway, After Off-ramp 12	Basic	52	8.7	A	52	8.7	A
23	I-295	WB	Cross Bronx Expressway, Crossing over Brush Ave and Zerega Ave	Basic	51	12.1	B	51	12.1	B
24	I-678	NB	Hutchinson River Parkway, Between Hutchinson River Parkway North On-ramp to 1A Off-ramp	Weaving	49	19.7	B	50	19.5	B
25	I-678	SB	Hutchinson River Parkway, After 1A Off-ramp	Basic	52	24.4	C	52	24.4	C

Table J-3 – Weekday AM Construction Highway LOS Analyses- With Action (2028) & With Mitigation (2028)										
Location #	Mainline	Direction	Name	Facility Type	With Action (2028)			With Mitigation (2028)		
					Speed (MPH)	Density (veh/mi/ln)	LOS	Speed (MPH)	Density (veh/mi/ln)	LOS
26	I-95	EB	Bruckner Expressway, from I-95/I-278 Merge to Huntington Ave	Merge	52	12.7	B	52	12.7	B
27	I-678	SB	Hutchinson River Expressway, Before Exit 18	Weaving	39	24.1	C	39	24.1	C
28	I-678	NB	Hutchinson River Expressway, Before Exit 19N	Diverge	49	17.7	B	50	17.6	B
29	I-678	NB	Hutch NB - Bruckner Expwy/CBE, Between Exit 19N and Exit 19W	Basic	28	13.2	B	28	13.3	B
30	I-678	NB	Hutchinson River Parkway, Between 1A Off-ramp and On-ramp from Bruckner Blvd	Basic	53	16.7	B	53	16.7	B
31	Hutchinson River Parkway	NB	Hutchinson River Parkway, Before the Gas station Exit	Basic	64	19.7	C	64	19.7	C
32	I-278	WB	Bruckner Expressway, Before 53 Off-ramp	Basic	50	25.6	C	50	25.6	C
33	I-95	EB	Cross Bronx Expressway, Between 6A Off-ramp to downstream diverge	Diverge	52	20.7	C	52	20.7	C
34	Hutchinson River Parkway	SB	Hutchinson River Parkway, Before 1A Off-ramp	Diverge	53	20.0	B	53	20.0	B
35	I-678	WB	Crossing over I-678 NB/SB before Exit 19W	Diverge	27	9.1	A	27	9.2	A

Table J-3 – Weekday AM Construction Highway LOS Analyses- With Action (2028) & With Mitigation (2028)										
Location #	Mainline	Direction	Name	Facility Type	With Action (2028)			With Mitigation (2028)		
					Speed (MPH)	Density (veh/mi/ln)	LOS	Speed (MPH)	Density (veh/mi/ln)	LOS
36	I-295	NW	Cross Bronx Expressway, Crossing over Randall Ave	Basic	51	14.5	B	51	14.5	B
37	I-95	NW	Cross Bronx Expressway, Between Haviland Ave/CB SRD intersection and upstream Highway Merge	Merge	16	41.6	E	16	41.7	E
38	I-95	SE	Cross Bronx Expressway, Before 6A Off-ramp	Diverge	52	24.0	C	52	24.0	C
39	I-295	SE	Cross Bronx Expressway, Before I-695 Merge	Basic	46	28.1	D	46	28.1	D
40	I-95	NE	Bruckner Expressway, Before 7C Off-ramp	Basic	32	30.3	D	32	30.4	D
41	I-95	SW	Bruckner Expressway, Before 6B Off-ramp	Diverge	51	19.7	B	51	19.7	B
42	I-295	NW	Cross Bronx Expressway, Before 11 Off-ramp	Diverge	52	13.8	B	52	13.8	B
43	I-295	SE	Cross Bronx Expressway, After Off-ramp 11	Basic	52	15.3	B	52	15.3	B
44	I-678	NB	Hutchinson River Expressway, Before the On-ramp which is located upstream of Off-ramp 18	Basic	39	29.2	D	41	26.8	D
45	I-678	NB	Hutchinson River Expressway, Before Off-ramp 18	Weaving	44	33.9	D	46	26.5	C
46	I-295	NW	CB-Exit 12, Crossing over I-678	Basic	53	12.7	B	53	12.7	B
47	I-678	SB	Hutchinson River Expressway, From the On-ramp to around Lafayette Ave	Merge	47	30.7	D	47	30.8	D

Table J-3 – Weekday AM Construction Highway LOS Analyses- With Action (2028) & With Mitigation (2028)										
Location #	Mainline	Direction	Name	Facility Type	With Action (2028)			With Mitigation (2028)		
					Speed (MPH)	Density (veh/mi/ln)	LOS	Speed (MPH)	Density (veh/mi/ln)	LOS
48	I-95	EB	I-95, From Zerega Ave to the Merge with I-278	Basic	52	11.7	B	52	11.7	B
49	I-678	SB	Bronx-Whitestone Bridge, a section around Bronx-Whitestone Bridge MTA Building	Basic	34	39.4	E	34	39.6	E
50	I-678	NB	Hutchinson River Expressway, Before around Bronx-Whitestone Bridge MTA Building	Basic	41	31.2	D	41	31.3	D
51	I-678	SB	Bronx-Whitestone Bridge, After Off-ramp 18	Basic	41	24.5	C	40	24.6	C
52	I-295	SE	Cross Bronx Expressway, Three-lane section between Dewey Ave and Sampson Ave	Basic	50	17.0	B	50	17.0	B
53	I-278	EB	Bruckner Expwy, Before Exit 54	Diverge	53	13.0	B	53	13.0	B
54	I-95	SW	Bruckner Expressway, After Exit 7A	Basic	51	19.4	C	51	19.4	C
55	I-95	NE	Bruckner Expressway, After Huntington Ave	Merge	50	17.0	B	50	17.1	B
56	I-295	SE	Cross Bronx Expressway, After the On-ramp around Schley Ave	Merge	51	13.6	B	51	13.7	B
57	I-295	NW	Cross Bronx Expressway, After Exit 10	Basic	53	14.9	B	53	14.9	B
58	I-95	NW	Cross Bronx Expressway, Four-lane section after around Castle Hill Ave	Basic	16	39.7	E	16	39.7	E
59	I-278	WB	Bruckner Expressway, Crossing under Castle Hill Ave	Basic	46	23.9	C	46	23.9	C

Table J-3 – Weekday AM Construction Highway LOS Analyses- With Action (2028) & With Mitigation (2028)										
Location #	**Mainline**	**Direction**	**Name**	**Facility Type**	**With Action (2028)**			**With Mitigation (2028)**		
					Speed (MPH)	**Density (veh/mi/ln)**	**LOS**	**Speed (MPH)**	**Density (veh/mi/ln)**	**LOS**
60	I-278	WB	Bruckner Expressway, After the On-ramp around Havemeyer Ave	Merge	49	17.5	B	49	17.5	B
61	Hutchinson River Parkway	NB	Hutchinson River Parkway, After the On-ramp from Bruckner Blvd	Merge	52	15.9	B	52	15.9	B

Table J-4 – Weekday PM Construction Highway LOS Analyses- Existing (2024) & No Action (2028)										
Name	Name	Name	Name	Name	Existing (2024)			No Action (2028)		
					Speed (MPH)	Density (veh/mi/ln)	LOS	Speed (MPH)	Density (veh/mi/ln)	LOS
1	I-95	WB	Cross Bronx Expressway, Before Exit 5A	Basic	16	31.0	D	16	31.5	D
2	I-678	NB	Hutchinson River Expressway, From 19N On-ramp to 19N Off-ramp	Diverge	50	8.1	A	50	8.2	A
3	I-95	WB	Bruckner Expressway, Before Exit 6A	Diverge	45	22.8	C	47	18.8	B
4	I-95	EB	Cross Bronx Expressway, Between Zerega Ave and I-678	Basic	51	17.6	B	51	17.8	B
5	I-95	WB	I-95, Crossing over Zerega Ave	Merge	51	10.0	A	51	10.1	B
6	I-278	WB	CB-Exit 12-Merges with I-278 over Zerega Ave	Merge	51	15.8	B	51	16.0	B
7	I-278	WB	Bruckner Expressway, Before Havemeyer Ave	Merge	52	16.0	B	52	16.3	B
8	I-678	SB	Bronx-Whitestone Bridge	Basic	41	34.6	D	41	34.6	D
9	I-278	WB	Bruckner Expressway, Between Huntington Ave and Zerega Ave	Basic	54	8.3	A	54	8.5	A
10	I-278	EB	Off-ramp Bruckner Expwy Exit 54	Diverge	42	27.2	C	42	27.6	C
11	I-678	WB	Between crossing over I-678 NB to 19W off-ramp	Basic	37	5.0	A	37	5.1	A
12	I-95	WB	I-95, Between Exit 6A to 19W off-ramp	Basic	53	6.2	A	53	6.2	A
13	I-278	EB	Bruckner Expressway, Exit 54, On-ramp - Hutch SB/I 295 SB	Diverge	41	20.5	C	41	20.9	C
14	I-278	EB	Bruckner Expressway, Beginning of two-lane section to the I-95 merge (crossing over I-678)	Basic	52	16.8	B	52	17.1	B

Table J-4 – Weekday PM Construction Highway LOS Analyses- Existing (2024) & No Action (2028)										
Name	Name	Name	Name	Name	Existing (2024)			No Action (2028)		
					Speed (MPH)	Density (veh/mi/ln)	LOS	Speed (MPH)	Density (veh/mi/ln)	LOS
15	I-678	NB	Hutchinson River Parkway, From 19N Off-ramp to Hutchinson River Parkway North On-ramp	Basic	49	30.1	D	49	32.3	D
16	I-295	SE	Cross Bronx Expressway, From the merge crossing over I-678 to Exit 11	Weaving	52	12.5	B	52	12.7	B
17	I-278	EB	Bruckner Expressway, From Exit 54 to lane drop from three to two	Basic	53	11.0	B	53	11.2	B
18	I-95	WB	I-95, Crossing over Brush Ave (downstream of Exit 6A)	Basic	52	12.6	B	52	12.8	B
19	I-95	WB	I-95, Crossing over Brush Ave (downstream of Exit 19W)	Basic	49	7.3	A	49	7.5	A
20	I-678	SB	Hutchinson River Expressway, From I-278/I-678 Merge to Senger Pl On-Ramp	Merge	35	27.4	C	25	47.0	F
21	I-295	NW	Cross Bronx Expressway, Crossing over Lafayette Ave	Weaving	50	9.8	A	50	10.0	A
22	I-295	NW	Cross Bronx Expressway, After Off-ramp 12	Basic	53	5.4	A	53	5.5	A
23	I-295	WB	Cross Bronx Expressway, Crossing over Brush Ave and Zerega Ave	Basic	53	7.5	A	53	7.6	A
24	I-678	NB	Hutchinson River Parkway, Between Hutchinson River Parkway North On-ramp to 1A Off-ramp	Weaving	49	25.6	C	49	26.8	C
25	I-678	SB	Hutchinson River Parkway, After 1A Off-ramp	Basic	53	15.6	B	53	15.4	B

Table J-4 – Weekday PM Construction Highway LOS Analyses- Existing (2024) & No Action (2028)										
Name	Name	Name	Name	Name	Existing (2024)			No Action (2028)		
					Speed (MPH)	Density (veh/mi/ln)	LOS	Speed (MPH)	Density (veh/mi/ln)	LOS
26	I-95	EB	Bruckner Expressway, from I-95/I-278 Merge to Huntington Ave	Merge	51	17.3	B	51	17.6	B
27	I-678	SB	Hutchinson River Expressway, Before Exit 18	Weaving	28	44.6	F	22	65.1	F
28	I-678	NB	Hutchinson River Expressway, Before Exit 19N	Diverge	48	20.4	C	47	21.8	C
29	I-678	NB	Hutch NB - Bruckner Expwy/CBE, Between Exit 19N and Exit 19W	Basic	28	13.5	B	28	13.7	B
30	I-678	NB	Hutchinson River Parkway, Between 1A Off-ramp and On-ramp from Bruckner Blvd	Basic	52	23.2	C	52	23.6	C
31	Hutchinson River Parkway	NB	Hutchinson River Parkway, Before the Gas station Exit	Basic	57	29.2	D	57	29.7	D
32	I-278	WB	Bruckner Expressway, Before 53 Off-ramp	Basic	27	42.4	E	27	43.4	E
33	I-95	EB	Cross Bronx Expressway, Between 6A Off-ramp to downstream diverge	Diverge	52	20.7	C	52	21.0	C
34	Hutchinson River Parkway	SB	Hutchinson River Parkway, Before 1A Off-ramp	Diverge	47	23.9	C	53	16.4	B
35	I-678	WB	Crossing over I-678 NB/SB before Exit 19W	Diverge	27	9.3	A	27	9.5	A

Table J-4 – Weekday PM Construction Highway LOS Analyses- Existing (2024) & No Action (2028)										
Name	Name	Name	Name	Name	Existing (2024)			No Action (2028)		
					Speed (MPH)	Density (veh/mi/ln)	LOS	Speed (MPH)	Density (veh/mi/ln)	LOS
36	I-295	NW	Cross Bronx Expressway, Crossing over Randall Ave	Basic	52	10.4	A	52	10.5	A
37	I-95	NW	Cross Bronx Expressway, Between Haviland Ave/CB SRD intersection and upstream Highway Merge	Merge	17	27.4	C	17	27.8	C
38	I-95	SE	Cross Bronx Expressway, Before 6A Off-ramp	Diverge	53	22.3	C	53	22.7	C
39	I-295	SE	Cross Bronx Expressway, Before I-695 Merge	Basic	8	125.6	F	8	128.6	F
40	I-95	NE	Bruckner Expressway, Before 7C Off-ramp	Basic	15	80.2	F	15	81.5	F
41	I-95	SW	Bruckner Expressway, Before 6B Off-ramp	Diverge	52	17.0	B	52	17.2	B
42	I-295	NW	Cross Bronx Expressway, Before 11 Off-ramp	Diverge	52	10.2	B	52	10.3	B
43	I-295	SE	Cross Bronx Expressway, After Off-ramp 11	Basic	53	11.6	B	53	11.8	B
44	I-678	NB	Hutchinson River Expressway, Before the On-ramp which is located upstream of Off-ramp 18	Basic	41	29.5	D	41	29.9	D
45	I-678	NB	Hutchinson River Expressway, Before Off-ramp 18	Weaving	49	18.1	B	49	18.9	B
46	I-295	NW	CB-Exit 12, Crossing over I-678	Basic	53	11.4	B	53	11.6	B
47	I-678	SB	Hutchinson River Expressway, From the On-ramp to around Lafayette Ave	Merge	49	21.1	C	47	21.9	C

Table J-4 – Weekday PM Construction Highway LOS Analyses- Existing (2024) & No Action (2028)										
Name	Name	Name	Name	Name	Existing (2024)			No Action (2028)		
					Speed (MPH)	Density (veh/mi/ln)	LOS	Speed (MPH)	Density (veh/mi/ln)	LOS
48	I-95	EB	I-95, From Zerega Ave to the Merge with I-278	Basic	53	13.8	B	53	14.1	B
49	I-678	SB	Bronx-Whitestone Bridge, a section around Bronx-Whitestone Bridge MTA Building	Basic	26	54.5	F	26	54.5	F
50	I-678	NB	Hutchinson River Expressway, Before around Bronx-Whitestone Bridge MTA Building	Basic	41	34.7	D	41	35.2	E
51	I-678	SB	Bronx-Whitestone Bridge, After Off-ramp 18	Basic	12	98.1	F	11	110.1	F
52	I-295	SE	Cross Bronx Expressway, Three-lane section between Dewey Ave and Sampson Ave	Basic	41	16.6	B	38	19.9	C
53	I-278	EB	Bruckner Expwy, Before Exit 54	Diverge	52	20.6	C	52	20.9	C
54	I-95	SW	Bruckner Expressway, After Exit 7A	Basic	53	16.6	B	53	16.9	B
55	I-95	NE	Bruckner Expressway, After Huntington Ave	Merge	46	23.6	C	45	24.2	C
56	I-295	SE	Cross Bronx Expressway, After the On-ramp around Schley Ave	Merge	52	10.4	B	52	10.5	B
57	I-295	NW	Cross Bronx Expressway, After Exit 10	Basic	54	11.0	B	54	11.2	B
58	I-95	NW	Cross Bronx Expressway, Four-lane section after around Castle Hill Ave	Basic	16	28.1	D	16	28.5	D
59	I-278	WB	Bruckner Expressway, Crossing under Castle Hill Ave	Basic	27	36.6	E	27	37.6	E

Table J-4 – Weekday PM Construction Highway LOS Analyses- Existing (2024) & No Action (2028)										
Name	Name	Name	Name	Name	Existing (2024)			No Action (2028)		
					Speed (MPH)	Density (veh/mi/ln)	LOS	Speed (MPH)	Density (veh/mi/ln)	LOS
60	I-278	WB	Bruckner Expressway, After the On-ramp around Havemeyer Ave	Merge	48	16.2	B	47	16.8	B
61	Hutchinson River Parkway	NB	Hutchinson River Parkway, After the On-ramp from Bruckner Blvd	Merge	47	23.3	C	47	23.6	C

Table J-5 – Weekday PM Construction Highway LOS Analyses- With Action (2028) & With Mitigation (2028)										
Location #	Mainline	Direction	Name	Facility Type	With Action (2028)			With Mitigation (2028)		
					Speed (MPH)	Density (veh/mi/ln)	LOS	Speed (MPH)	Density (veh/mi/ln)	LOS
1	I-95	WB	Cross Bronx Expressway, Before Exit 5A	Basic	16	34.0	D	16	34.0	D
2	I-678	NB	Hutchinson River Expressway, From 19N On-ramp to 19N Off-ramp	Diverge	50	10.3	B	50	10.3	B
3	I-95	WB	Bruckner Expressway, Before Exit 6A	Diverge	46	21.6	C	46	21.5	C
4	I-95	EB	Cross Bronx Expressway, Between Zerega Ave and I-678	Basic	51	17.8	B	51	17.8	B
5	I-95	WB	I-95, Crossing over Zerega Ave	Merge	50	11.4	B	50	11.3	B
6	I-278	WB	CB-Exit 12-Merges with I-278 over Zerega Ave	Merge	51	17.5	B	51	17.5	B
7	I-278	WB	Bruckner Expressway, Before Havemeyer Ave	Merge	52	17.2	B	52	17.2	B
8	I-678	SB	Bronx-Whitestone Bridge	Basic	41	34.7	D	41	34.7	D
9	I-278	WB	Bruckner Expressway, Between Huntington Ave and Zerega Ave	Basic	54	8.5	A	54	8.5	A
10	I-278	EB	Off-ramp Bruckner Expwy Exit 54	Diverge	41	28.5	D	42	27.7	C
11	I-678	WB	Between crossing over I-678 NB to 19W off-ramp	Basic	37	6.5	A	37	6.5	A
12	I-95	WB	I-95, Between Exit 6A to 19W off-ramp	Basic	53	6.2	A	53	6.2	A
13	I-278	EB	Bruckner Expressway, Exit 54, On-ramp - Hutch SB/I 295 SB	Diverge	40	22.9	C	40	23.0	C
14	I-278	EB	Bruckner Expressway, Beginning of two-lane section to the I-95 merge (crossing over I-678)	Basic	52	17.1	B	52	17.1	B

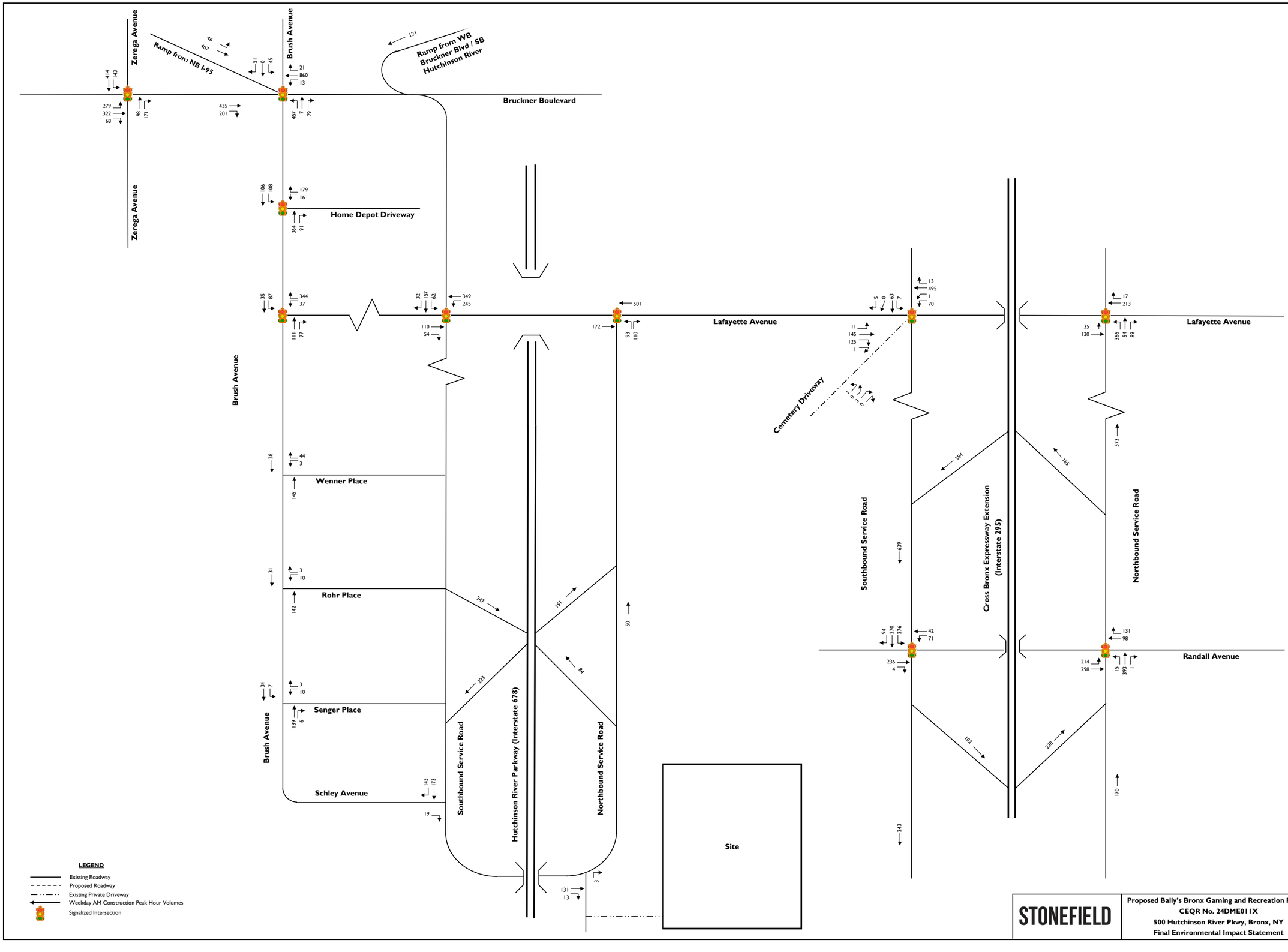
Table J-5 – Weekday PM Construction Highway LOS Analyses- With Action (2028) & With Mitigation (2028)										
Location #	Mainline	Direction	Name	Facility Type	With Action (2028)			With Mitigation (2028)		
					Speed (MPH)	Density (veh/mi/ln)	LOS	Speed (MPH)	Density (veh/mi/ln)	LOS
15	I-678	NB	Hutchinson River Parkway, From 19N Off-ramp to Hutchinson River Parkway North On-ramp	Basic	47	35.6	E	47	35.2	E
16	I-295	SE	Cross Bronx Expressway, From the merge crossing over I-678 to Exit 11	Weaving	52	12.6	B	52	12.6	B
17	I-278	EB	Bruckner Expressway, From Exit 54 to lane drop from three to two	Basic	53	11.2	B	53	11.2	B
18	I-95	WB	I-95, Crossing over Brush Ave (downstream of Exit 6A)	Basic	52	12.8	B	52	12.8	B
19	I-95	WB	I-95, Crossing over Brush Ave (downstream of Exit 19W)	Basic	49	9.7	A	49	9.7	A
20	I-678	SB	Hutchinson River Expressway, From I-278/I-678 Merge to Senger Pl On-Ramp	Merge	16	70.2	F	16	71.2	F
21	I-295	NW	Cross Bronx Expressway, Crossing over Lafayette Ave	Weaving	50	10.2	B	50	10.2	B
22	I-295	NW	Cross Bronx Expressway, After Off-ramp 12	Basic	53	5.7	A	53	5.7	A
23	I-295	WB	Cross Bronx Expressway, Crossing over Brush Ave and Zerega Ave	Basic	53	7.9	A	53	7.9	A
24	I-678	NB	Hutchinson River Parkway, Between Hutchinson River Parkway North On-ramp to 1A Off-ramp	Weaving	48	29.7	D	48	28.5	D
25	I-678	SB	Hutchinson River Parkway, After 1A Off-ramp	Basic	52	15.6	B	52	15.6	B

Table J-5 – Weekday PM Construction Highway LOS Analyses- With Action (2028) & With Mitigation (2028)										
Location #	Mainline	Direction	Name	Facility Type	With Action (2028)			With Mitigation (2028)		
					Speed (MPH)	Density (veh/mi/ln)	LOS	Speed (MPH)	Density (veh/mi/ln)	LOS
26	I-95	EB	Bruckner Expressway, from I-95/I-278 Merge to Huntington Ave	Merge	51	17.6	B	51	17.6	B
27	I-678	SB	Hutchinson River Expressway, Before Exit 18	Weaving	19	83.0	F	19	83.3	F
28	I-678	NB	Hutchinson River Expressway, Before Exit 19N	Diverge	45	26.1	C	45	25.8	C
29	I-678	NB	Hutch NB - Bruckner Expwy/CBE, Between Exit 19N and Exit 19W	Basic	27	18.1	C	27	18.1	C
30	I-678	NB	Hutchinson River Parkway, Between 1A Off-ramp and On-ramp from Bruckner Blvd	Basic	52	24.1	C	52	24.0	C
31	Hutchinson River Parkway	NB	Hutchinson River Parkway, Before the Gas station Exit	Basic	57	30.2	D	57	30.2	D
32	I-278	WB	Bruckner Expressway, Before 53 Off-ramp	Basic	27	45.4	F	27	45.5	F
33	I-95	EB	Cross Bronx Expressway, Between 6A Off-ramp to downstream diverge	Diverge	52	21.0	C	52	21.0	C
34	Hutchinson River Parkway	SB	Hutchinson River Parkway, Before 1A Off-ramp	Diverge	53	16.4	B	53	16.4	B
35	I-678	WB	Crossing over I-678 NB/SB before Exit 19W	Diverge	27	12.5	B	27	12.4	B

Table J-5 – Weekday PM Construction Highway LOS Analyses- With Action (2028) & With Mitigation (2028)										
Location #	Mainline	Direction	Name	Facility Type	With Action (2028)			With Mitigation (2028)		
					Speed (MPH)	Density (veh/mi/ln)	LOS	Speed (MPH)	Density (veh/mi/ln)	LOS
36	I-295	NW	Cross Bronx Expressway, Crossing over Randall Ave	Basic	52	10.5	A	52	10.5	A
37	I-95	NW	Cross Bronx Expressway, Between Haviland Ave/CB SRD intersection and upstream Highway Merge	Merge	17	30.6	D	17	30.6	D
38	I-95	SE	Cross Bronx Expressway, Before 6A Off-ramp	Diverge	53	22.7	C	53	22.7	C
39	I-295	SE	Cross Bronx Expressway, Before I-695 Merge	Basic	8	134.2	F	8	134.2	F
40	I-95	NE	Bruckner Expressway, Before 7C Off-ramp	Basic	15	83.2	F	15	83.2	F
41	I-95	SW	Bruckner Expressway, Before 6B Off-ramp	Diverge	51	18.4	B	52	17.3	B
42	I-295	NW	Cross Bronx Expressway, Before 11 Off-ramp	Diverge	52	10.3	B	52	10.3	B
43	I-295	SE	Cross Bronx Expressway, After Off-ramp 11	Basic	53	11.8	B	53	11.8	B
44	I-678	NB	Hutchinson River Expressway, Before the On-ramp which is located upstream of Off-ramp 18	Basic	41	29.9	D	41	29.9	D
45	I-678	NB	Hutchinson River Expressway, Before Off-ramp 18	Weaving	47	22.5	C	47	22.2	C
46	I-295	NW	CB-Exit 12, Crossing over I-678	Basic	53	11.7	B	53	11.7	B
47	I-678	SB	Hutchinson River Expressway, From the On-ramp to around Lafayette Ave	Merge	27	72.3	F	26	72.5	F

Table J-5 – Weekday PM Construction Highway LOS Analyses- With Action (2028) & With Mitigation (2028)										
Location #	Mainline	Direction	Name	Facility Type	With Action (2028)			With Mitigation (2028)		
					Speed (MPH)	Density (veh/mi/ln)	LOS	Speed (MPH)	Density (veh/mi/ln)	LOS
48	I-95	EB	I-95, From Zerega Ave to the Merge with I-278	Basic	53	14.1	B	53	14.1	B
49	I-678	SB	Bronx-Whitestone Bridge, a section around Bronx-Whitestone Bridge MTA Building	Basic	26	54.5	F	26	54.5	F
50	I-678	NB	Hutchinson River Expressway, Before around Bronx-Whitestone Bridge MTA Building	Basic	41	35.2	E	41	35.2	E
51	I-678	SB	Bronx-Whitestone Bridge, After Off-ramp 18	Basic	10	115.6	F	10	115.5	F
52	I-295	SE	Cross Bronx Expressway, Three-lane section between Dewey Ave and Sampson Ave	Basic	28	35.1	E	28	35.2	E
53	I-278	EB	Bruckner Expwy, Before Exit 54	Diverge	52	20.9	C	52	20.9	C
54	I-95	SW	Bruckner Expressway, After Exit 7A	Basic	53	16.9	B	53	16.9	B
55	I-95	NE	Bruckner Expressway, After Huntington Ave	Merge	45	24.8	C	45	24.8	C
56	I-295	SE	Cross Bronx Expressway, After the On-ramp around Schley Ave	Merge	52	10.8	B	52	10.8	B
57	I-295	NW	Cross Bronx Expressway, After Exit 10	Basic	54	11.2	B	54	11.2	B
58	I-95	NW	Cross Bronx Expressway, Four-lane section after around Castle Hill Ave	Basic	16	30.8	D	16	30.8	D
59	I-278	WB	Bruckner Expressway, Crossing under Castle Hill Ave	Basic	27	39.8	E	27	39.7	E

Table J-5 – Weekday PM Construction Highway LOS Analyses- With Action (2028) & With Mitigation (2028)										
Location #	**Mainline**	**Direction**	**Name**	**Facility Type**	**With Action (2028)**			**With Mitigation (2028)**		
					Speed (MPH)	**Density (veh/mi/ln)**	**LOS**	**Speed (MPH)**	**Density (veh/mi/ln)**	**LOS**
60	I-278	WB	Bruckner Expressway, After the On-ramp around Havemeyer Ave	Merge	47	17.9	B	47	17.8	B
61	Hutchinson River Parkway	NB	Hutchinson River Parkway, After the On-ramp from Bruckner Blvd	Merge	47	24.0	C	47	24.0	C



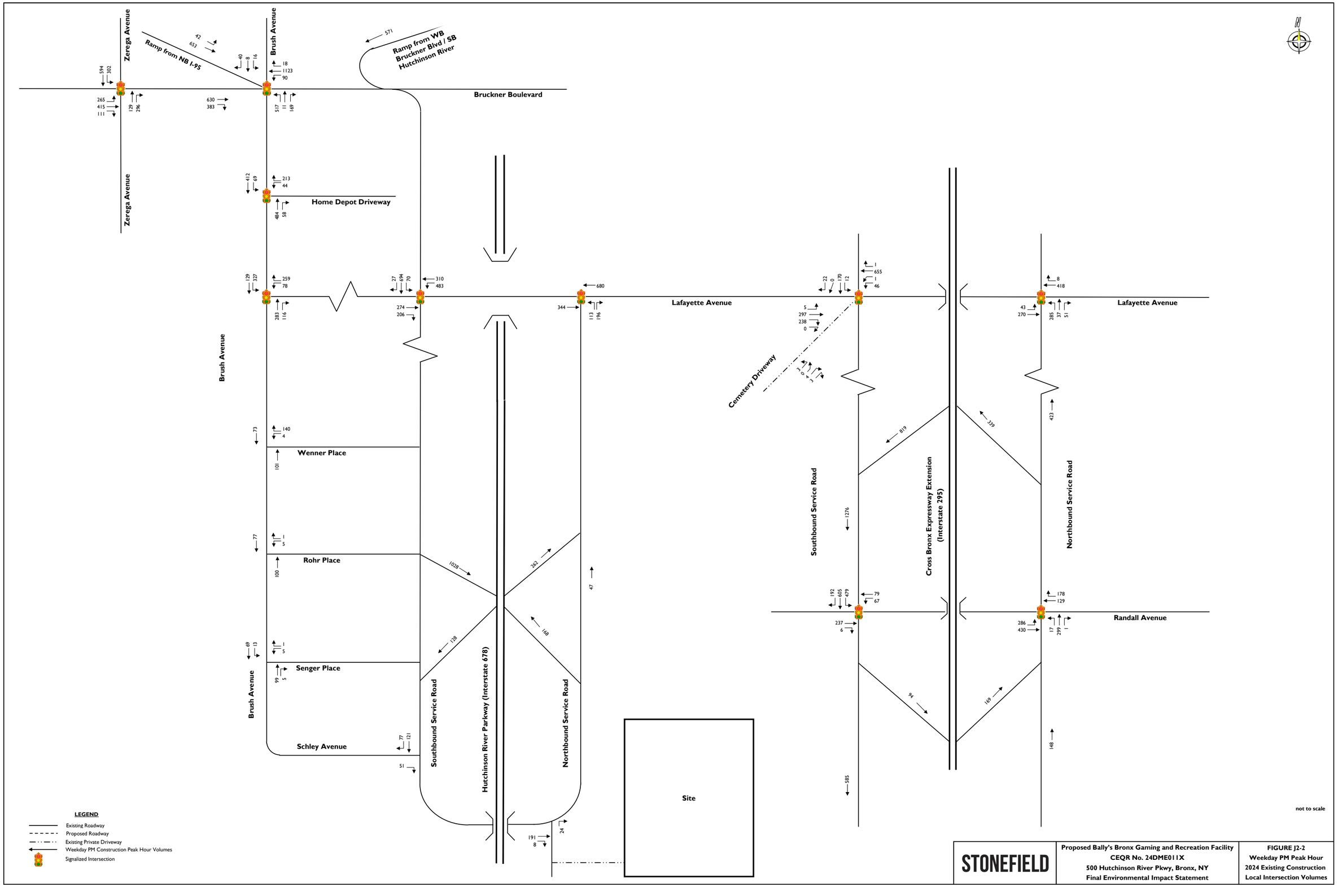
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- Existing Roadway
- Proposed Roadway
- Existing Private Driveway
- Weekday AM Construction Peak Hour Volumes
- Signalized Intersection

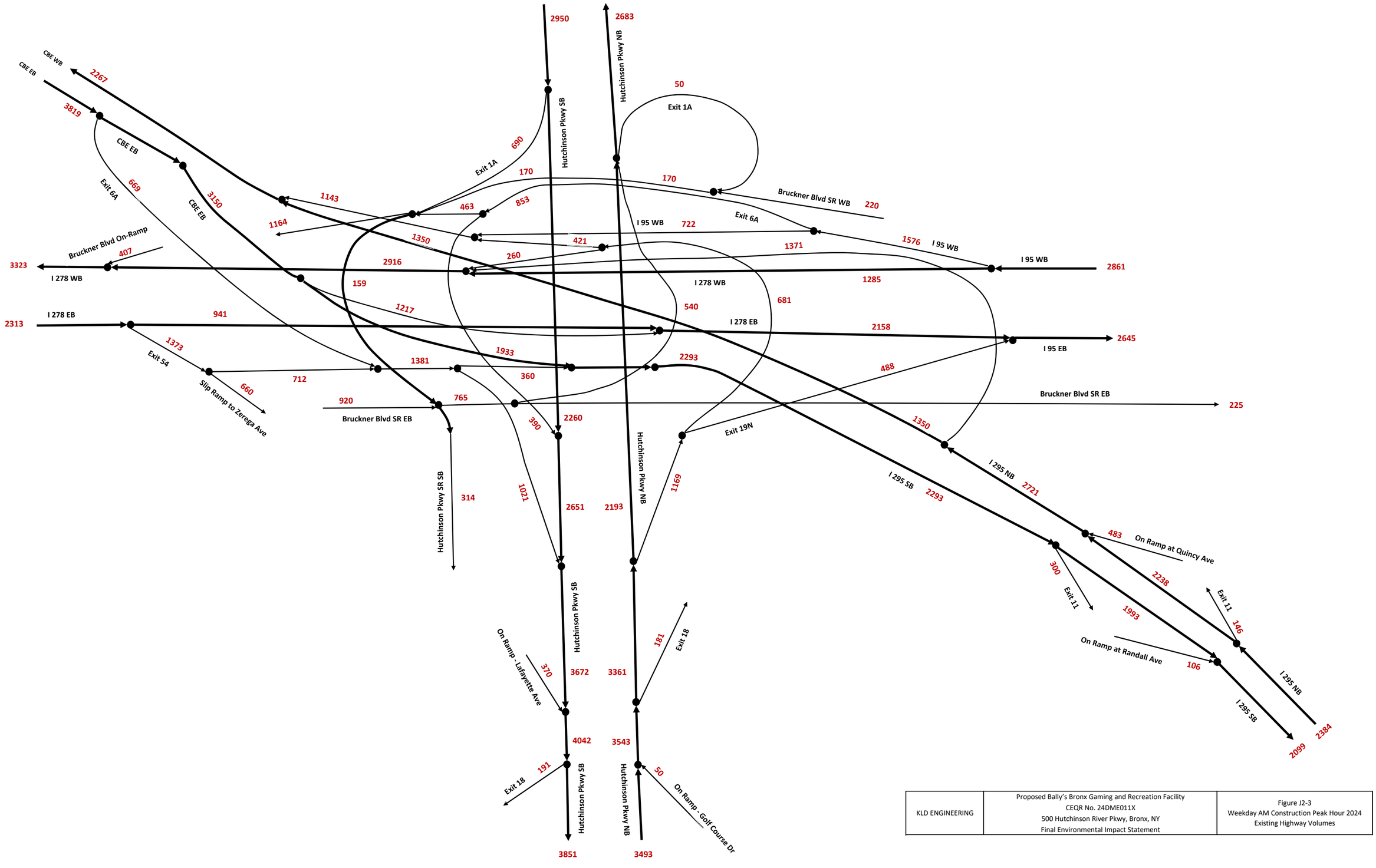
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500 Hutchinson River Pkwy, Bronx, NY
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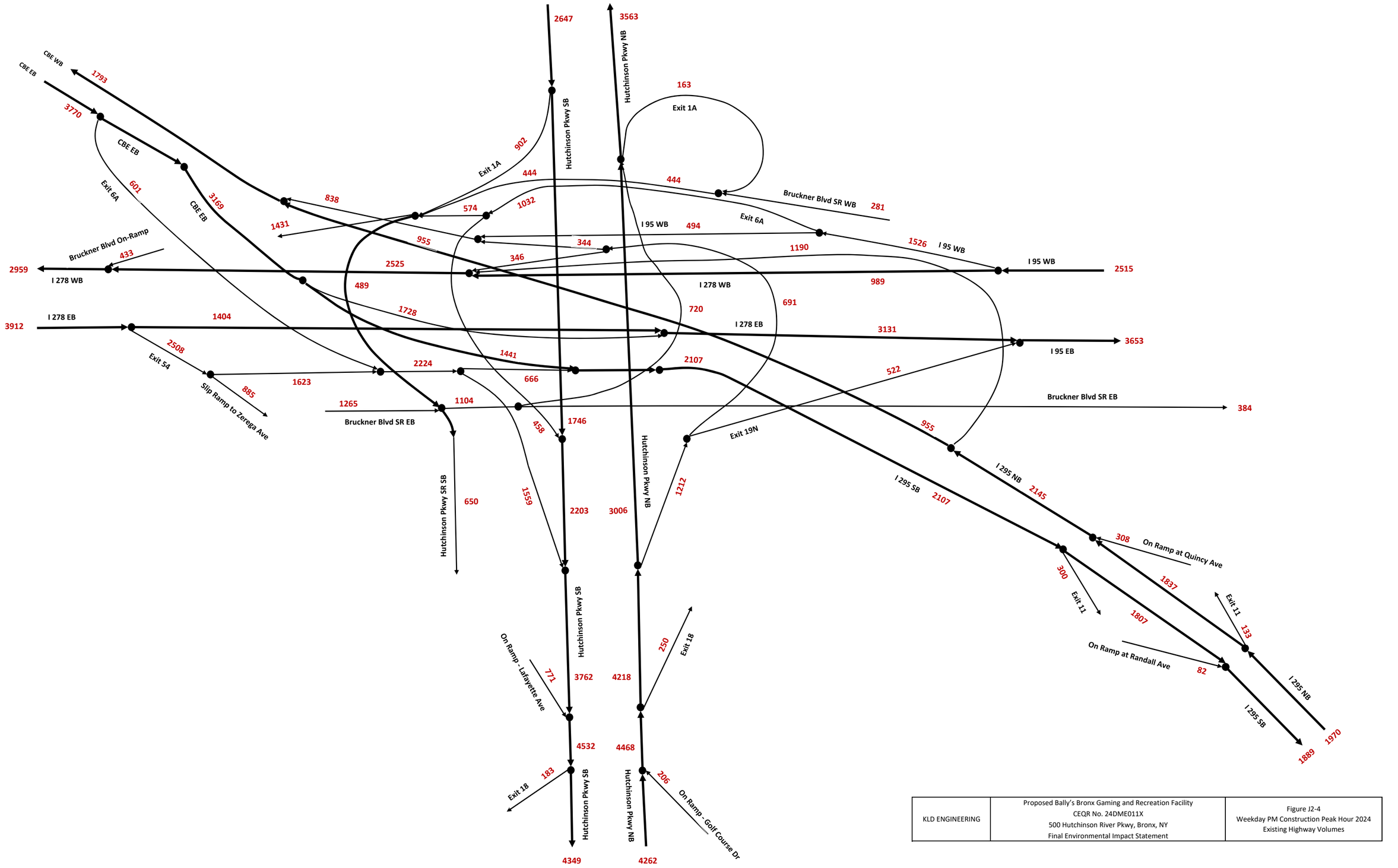
FIGURE J2-1
Weekday AM Peak Hour
2024 Existing Construction
Local Intersection Volumes



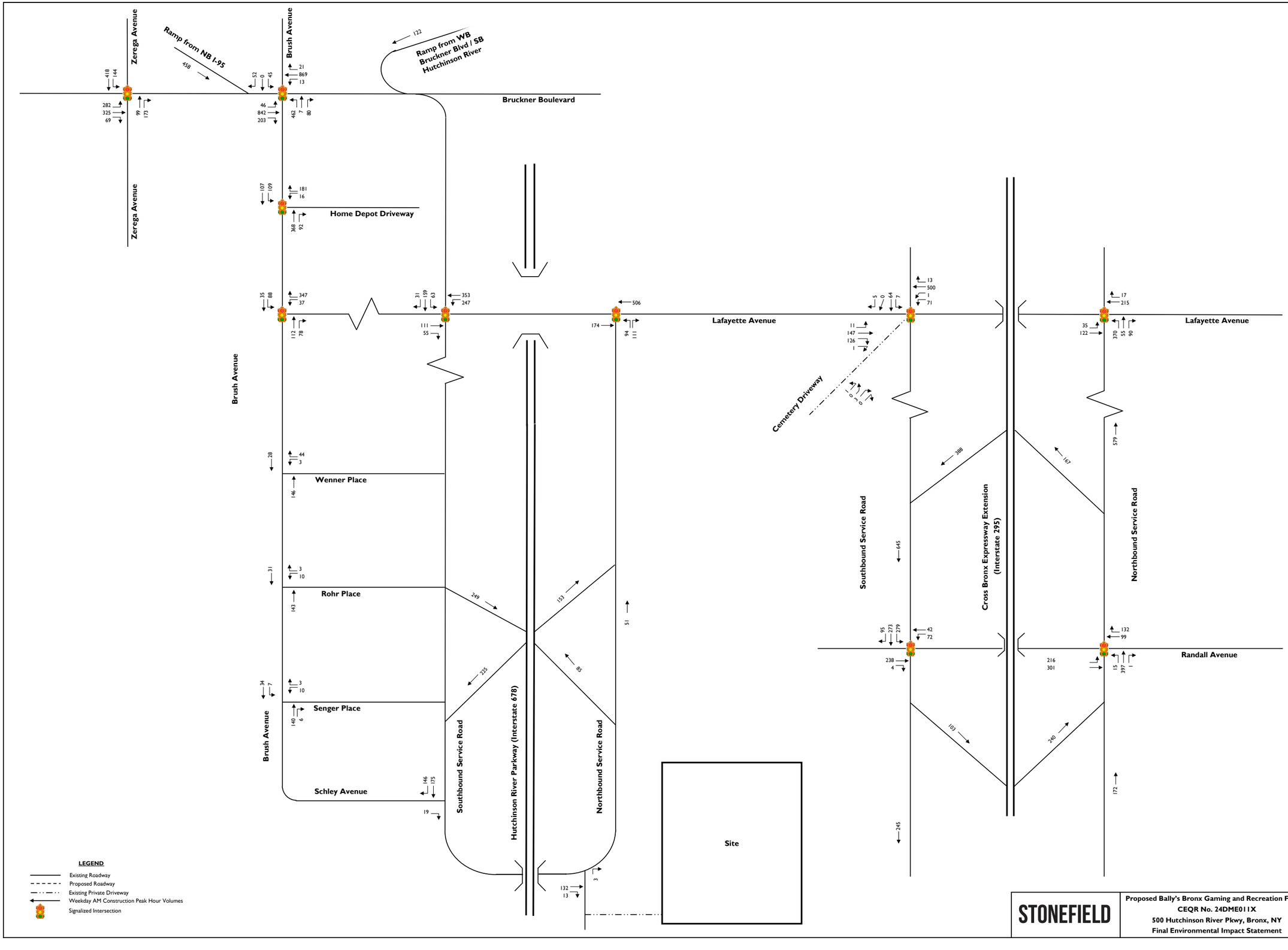
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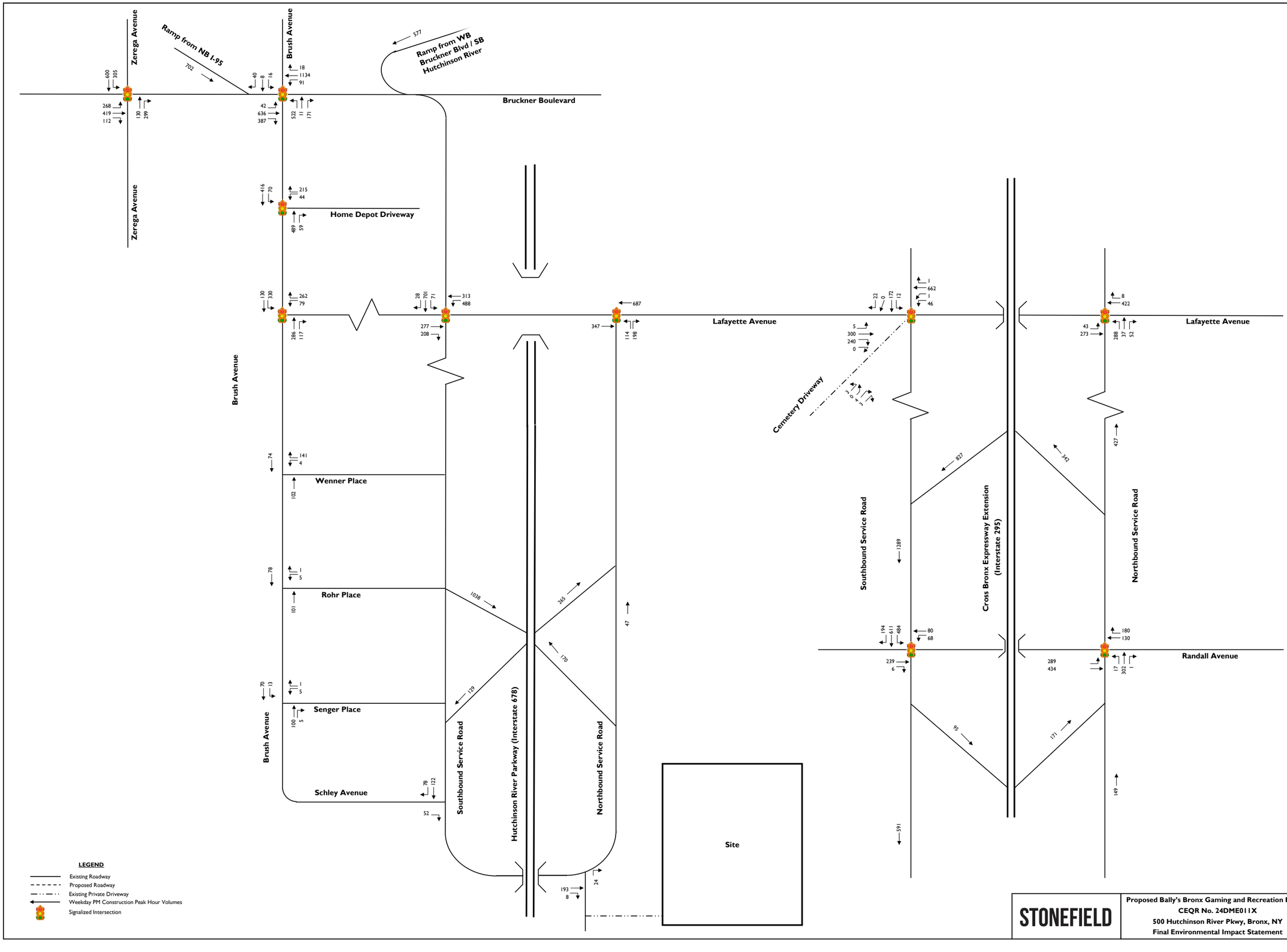
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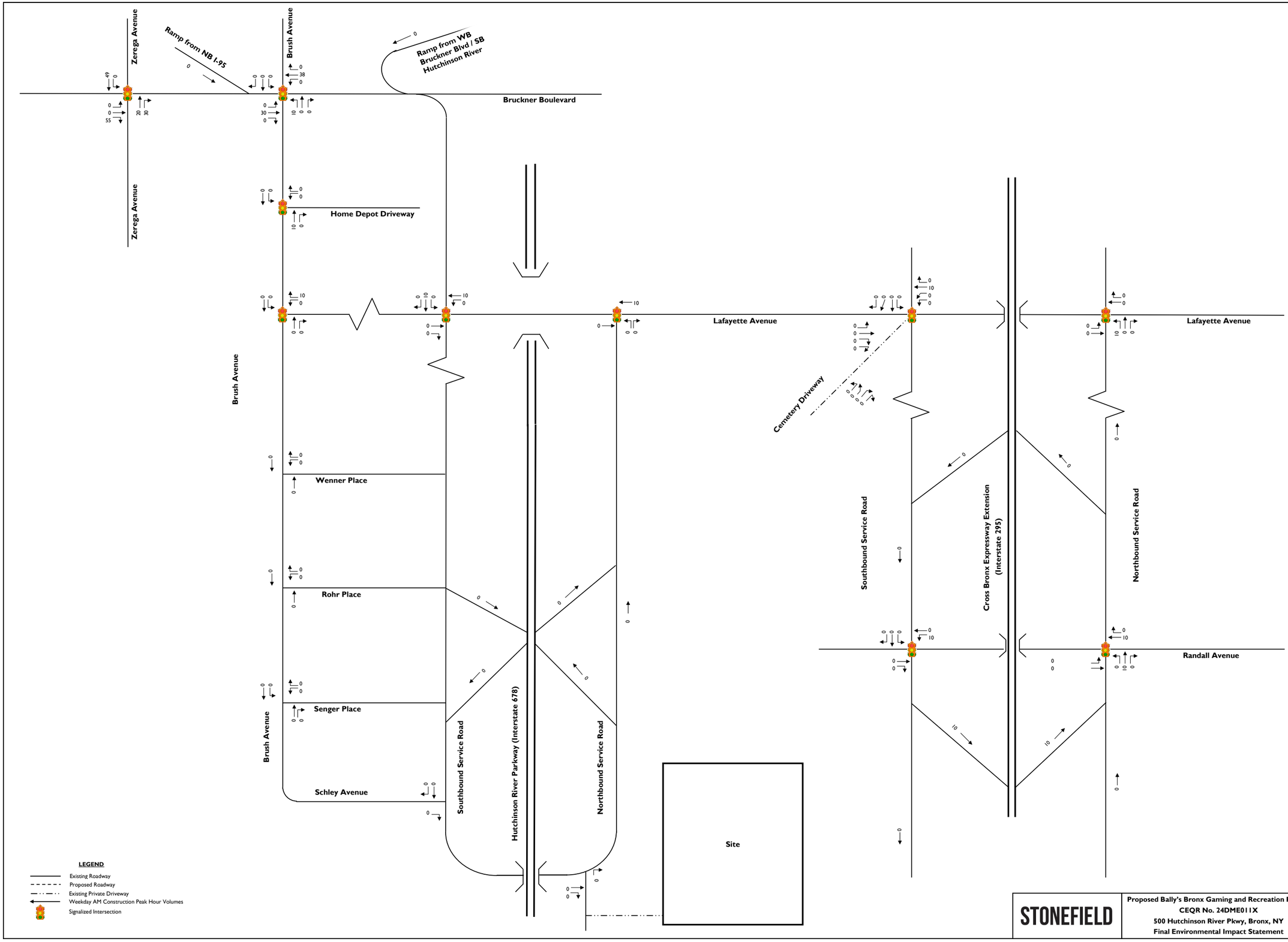
- Existing Roadway
- Proposed Roadway
- Existing Private Driveway
- Weekday PM Construction Peak Hour Volumes
- Signalized Intersection

not to scale

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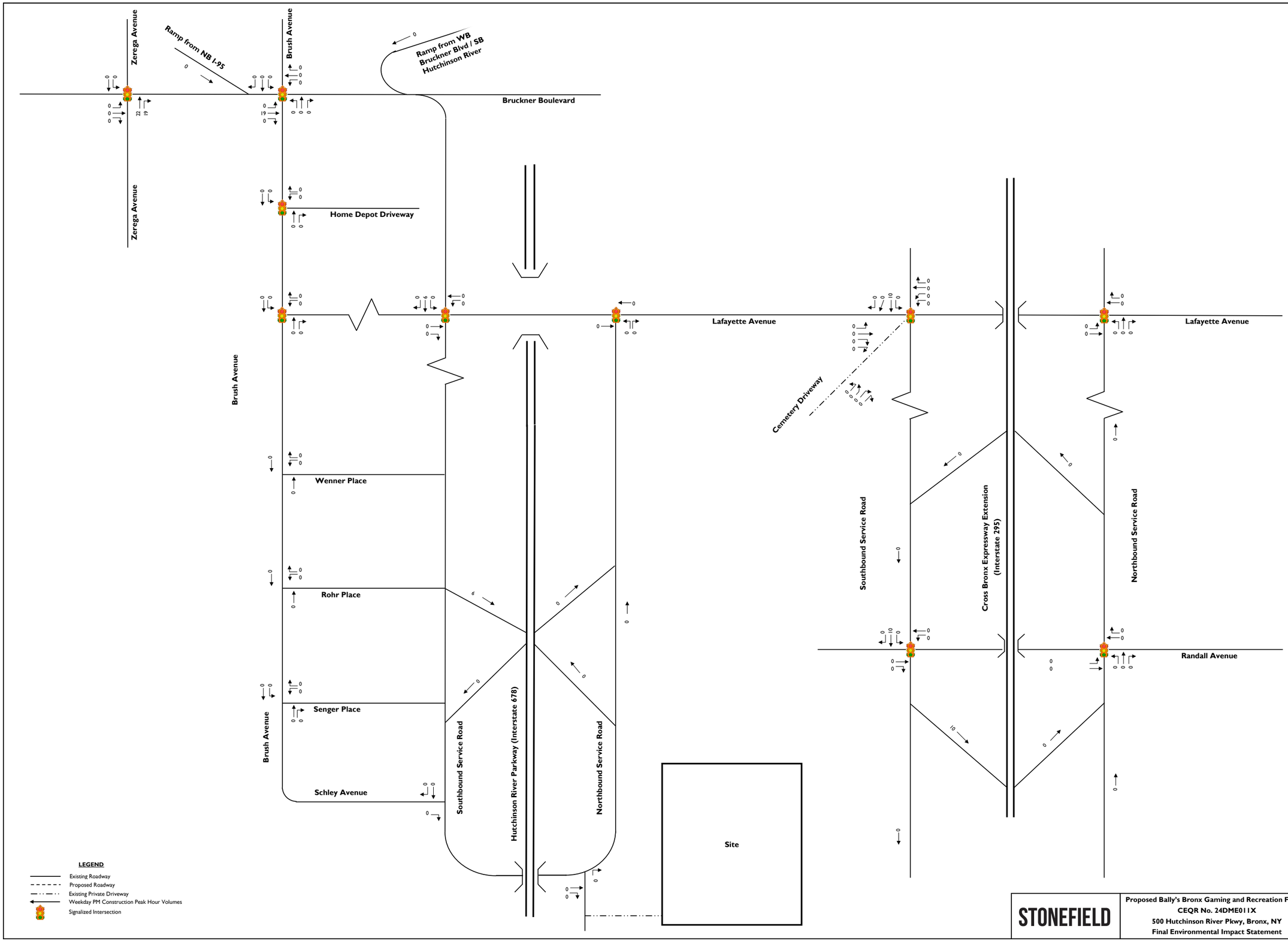
FIGURE J2-6
Weekday PM Peak Hour
2028 Base Construction Local Intersection Volumes



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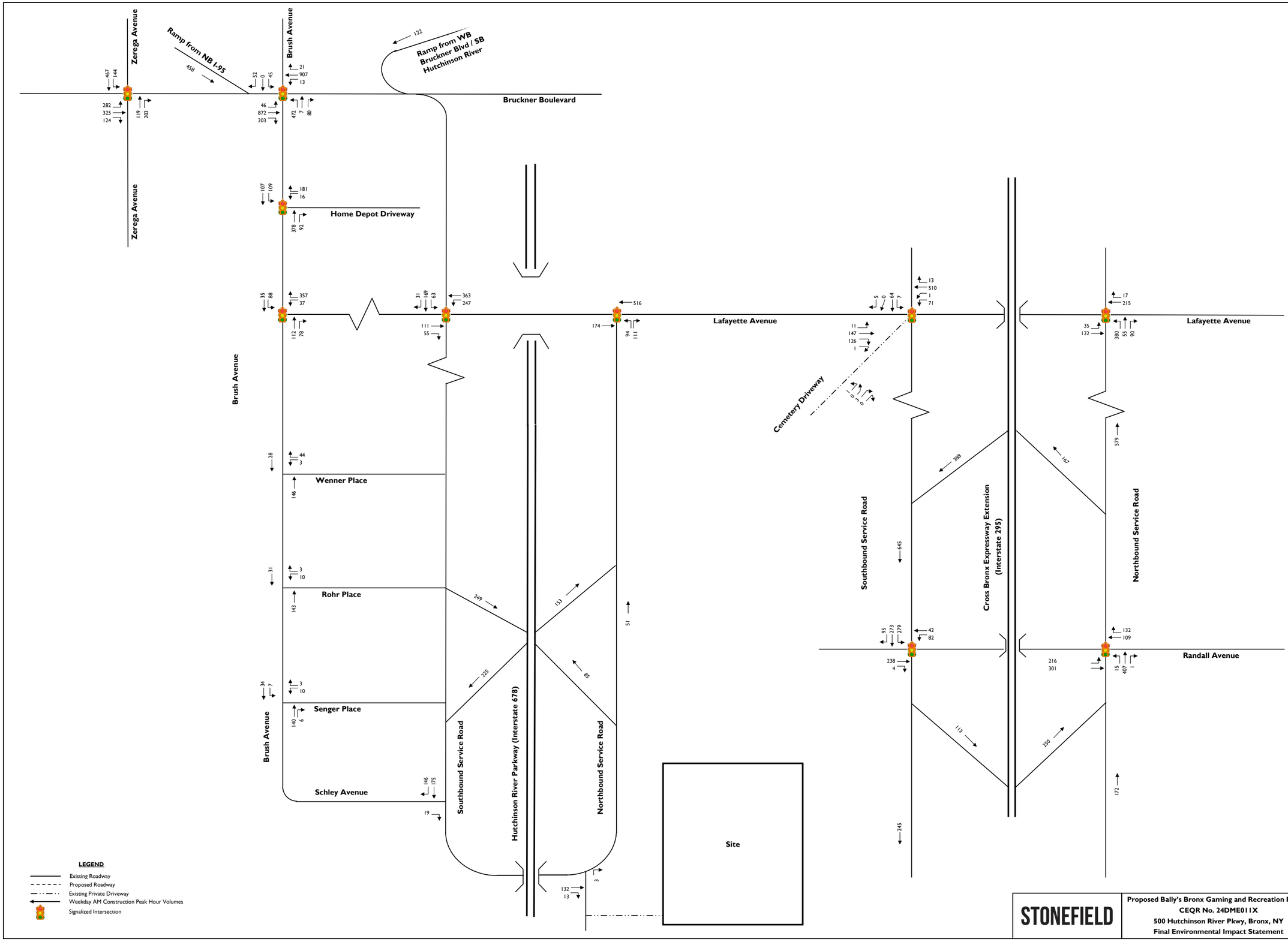
FIGURE J2-7
Weekday AM Peak Hour
DSNY Facility Construction
Local Intersection Volumes



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FIGURE J2-8
Weekday PM Peak Hour
DSNY Facility Construction
Local Intersection Volumes



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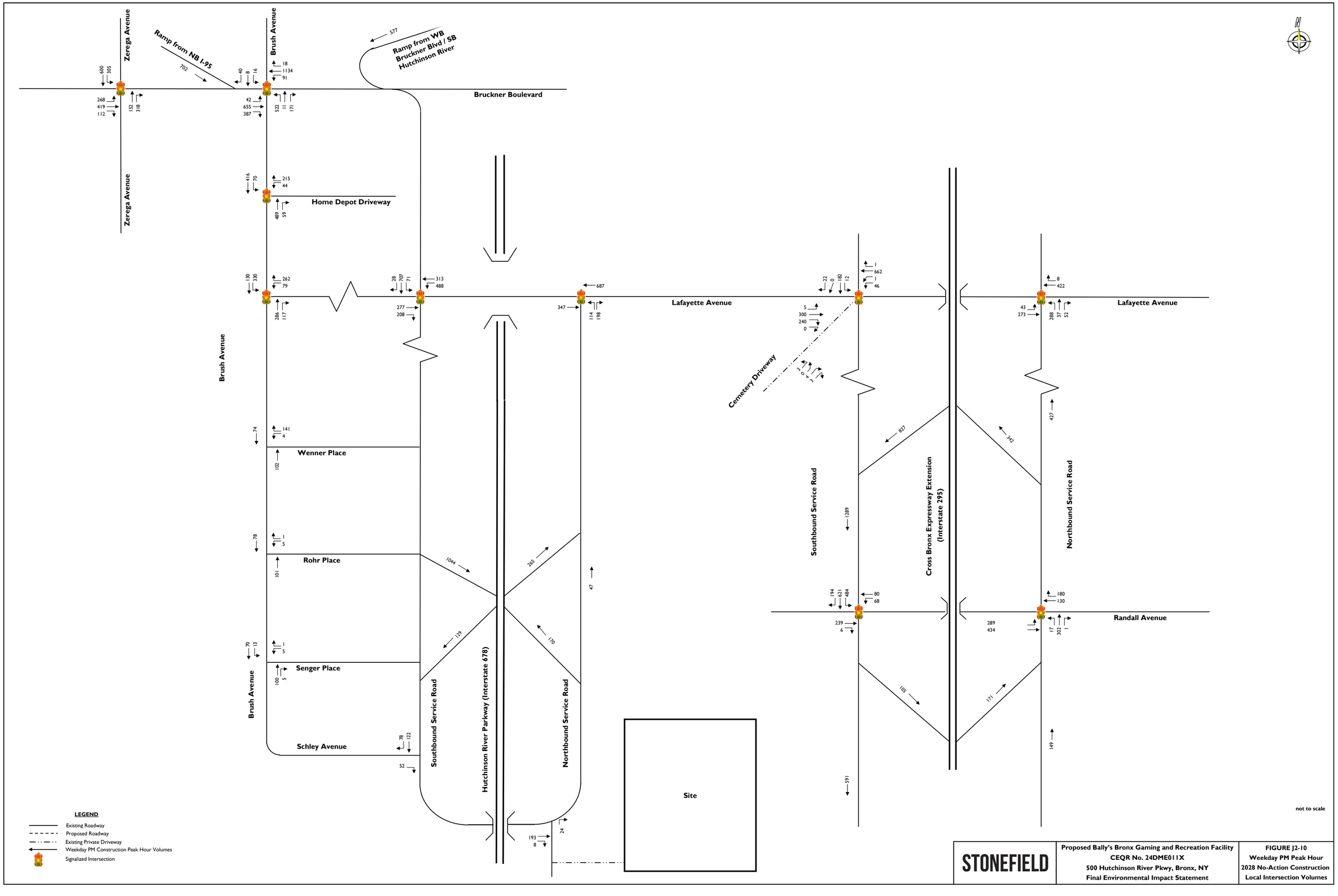
- Existing Roadway
- Proposed Roadway
- Existing Private Driveway
- Weekday AM Construction Peak Hour Volumes
- Signalized Intersection

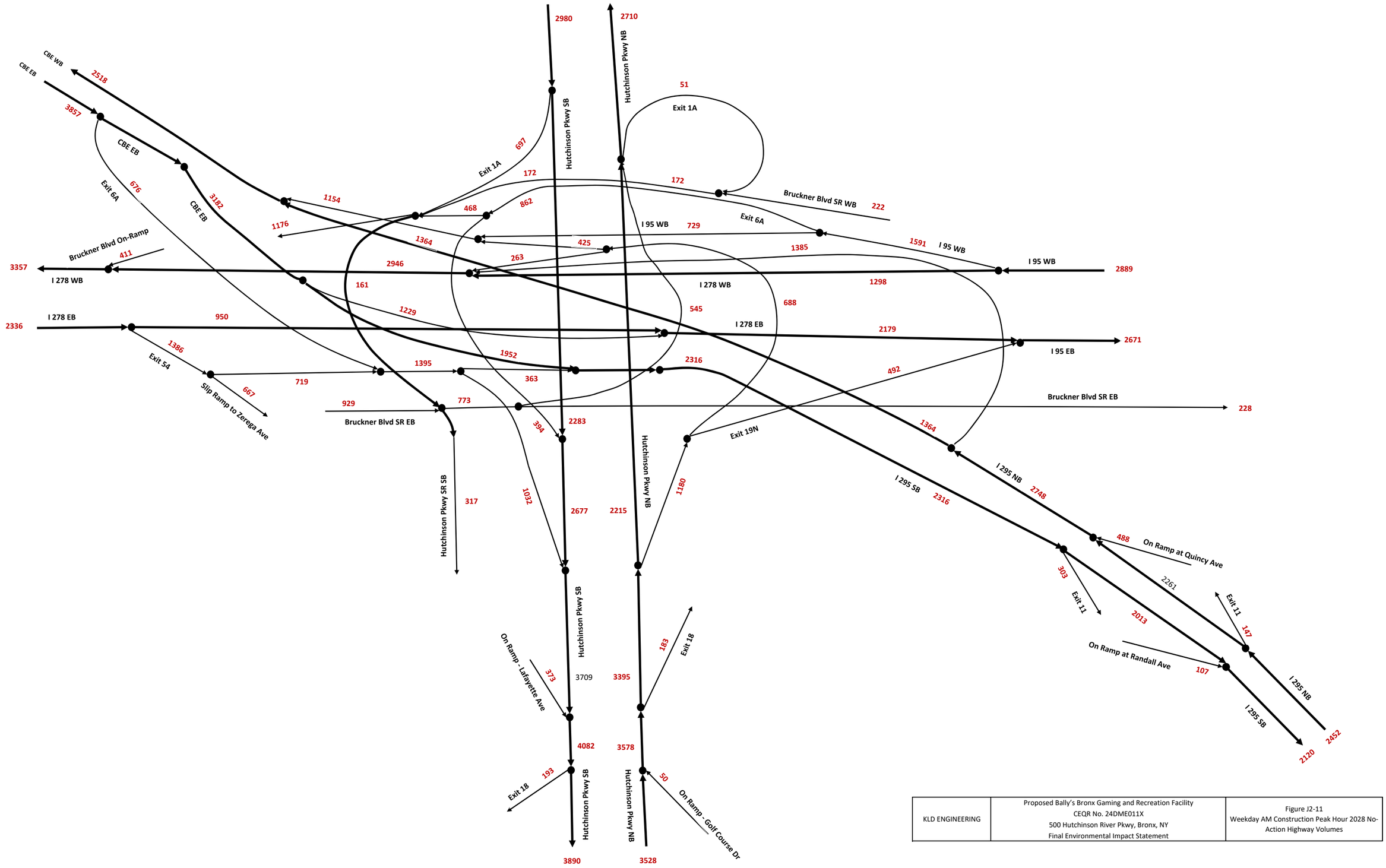
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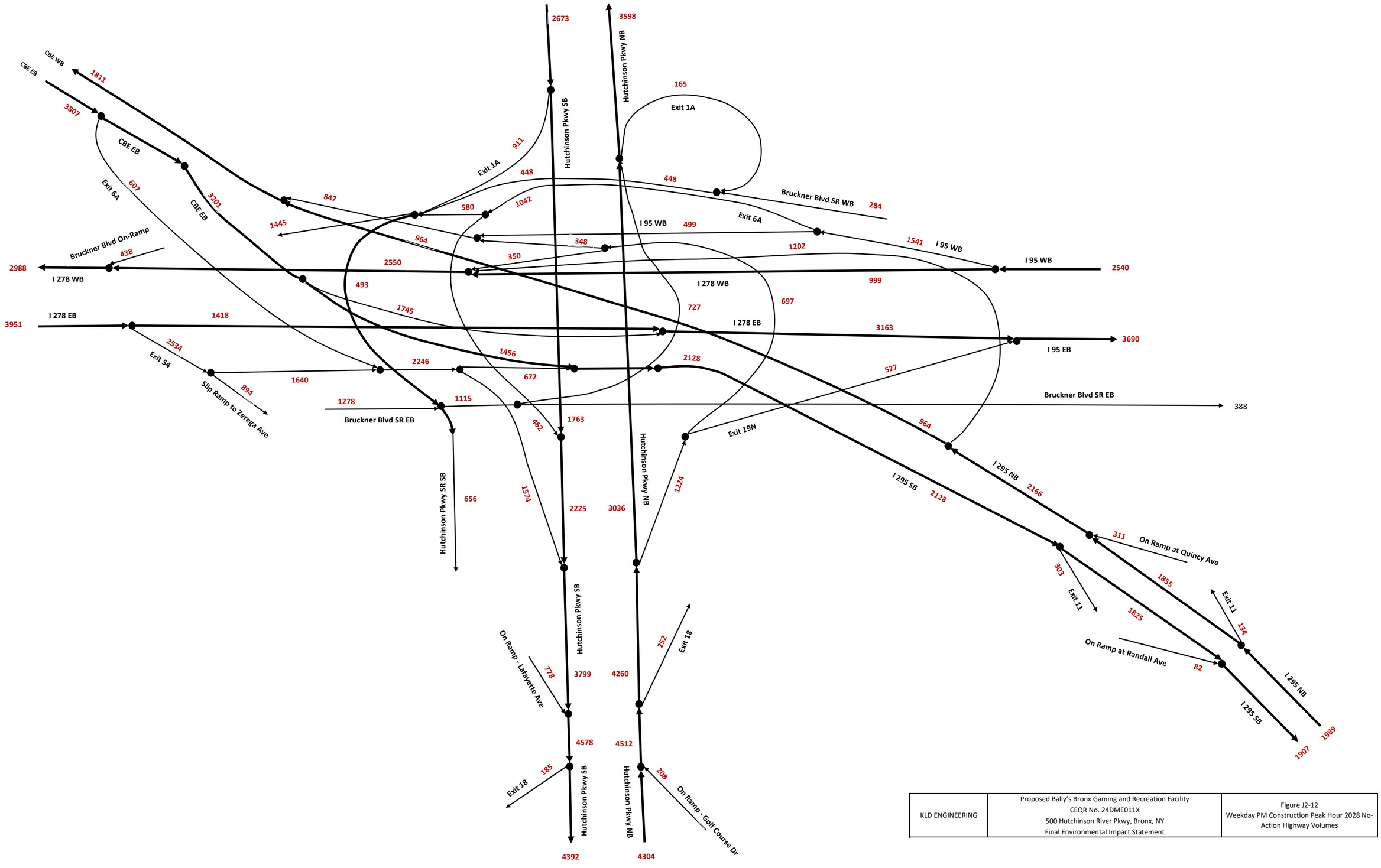
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FIGURE J2-9
Weekday AM Peak Hour
2028 No-Action Construction
Local Intersection Volumes

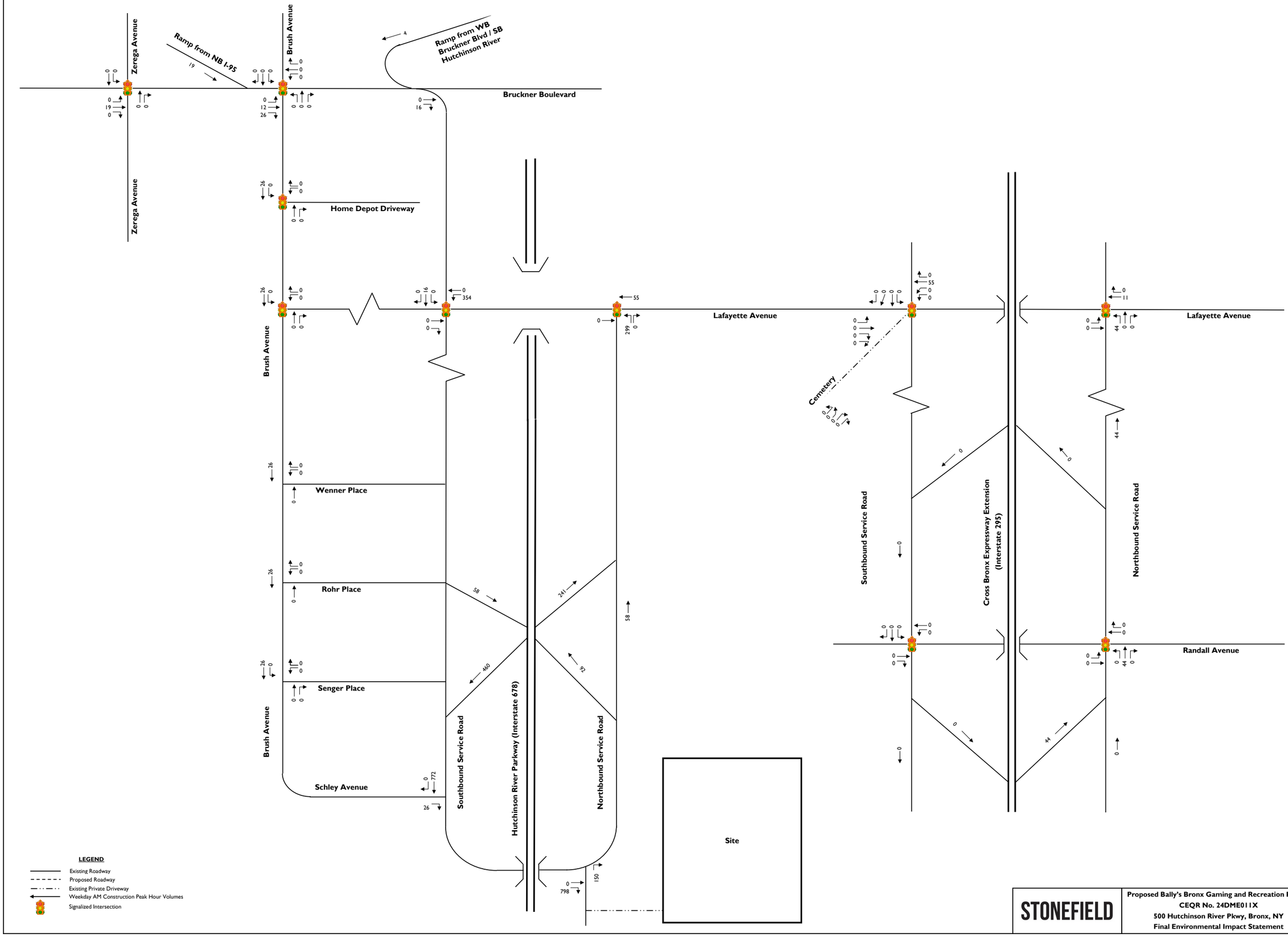

Zerega Avenue
Ramp from NB I-95
Brush Avenue
Ramp from WB
Bruckner Blvd / SB
Hutchinson River
Bruckner Boulevard
Zerega Avenue
Home Depot Driveway
Brush Avenue
Lafayette Avenue
Lafayette Avenue
Cemetery Driveway
Wenner Place
Rohr Place
Senger Place
Schley Avenue
Brush Avenue
Southbound Service Road
Hutchinson River Parkway (Interstate 678)
Northbound Service Road
Site
Southbound Service Road
Cross Bronx Expressway Extension (Interstate 295)
Northbound Service Road
Randall Avenue
LEGEND
Existing Roadway
Proposed Roadway
Existing Private Driveway
Weekday PM Construction Peak Hour Volumes
Signalized Intersection
not to scale
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FIGURE J2-10
Weekday PM Peak Hour
2028 No-Action Construction
Local Intersection Volumes

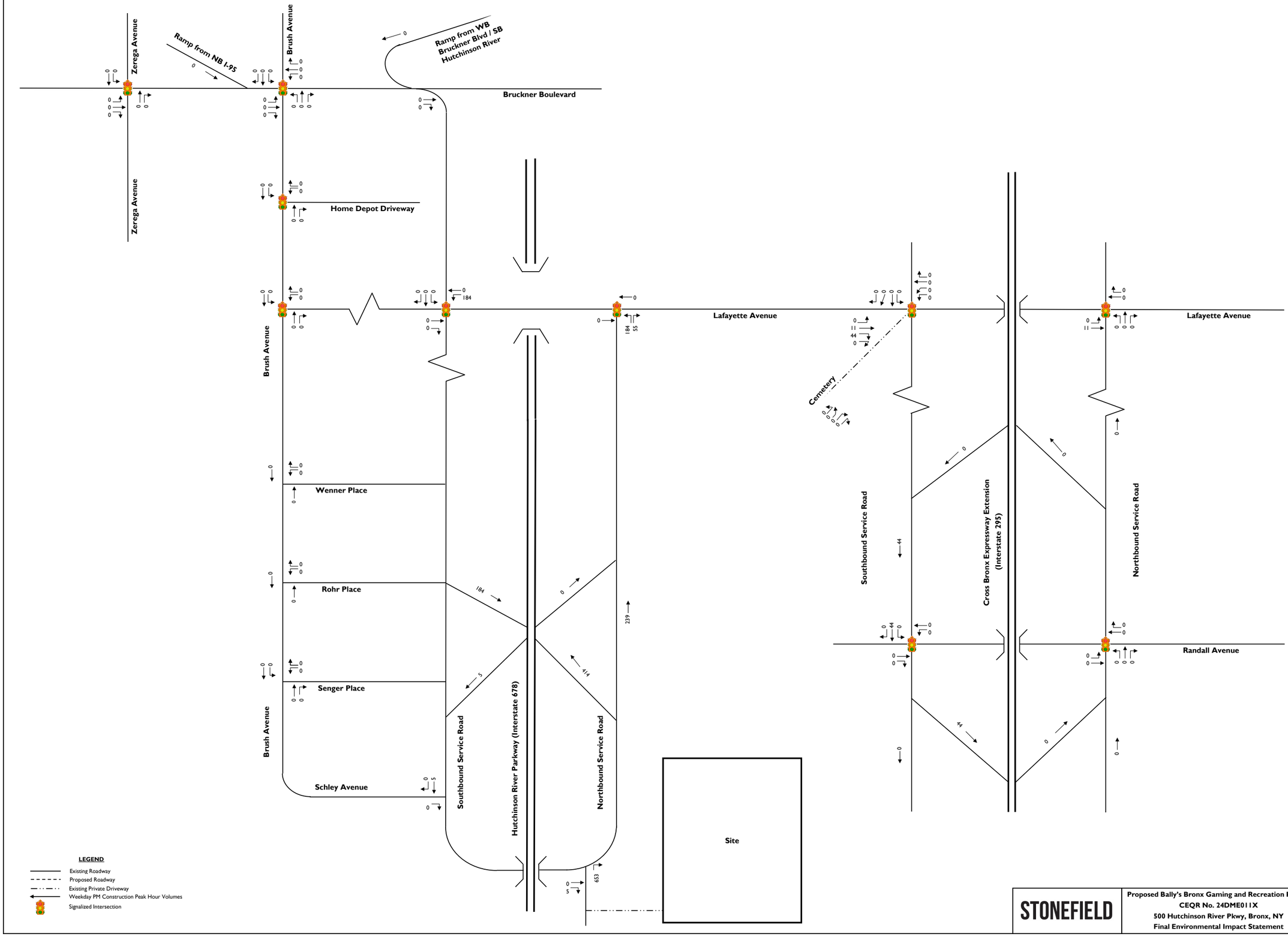


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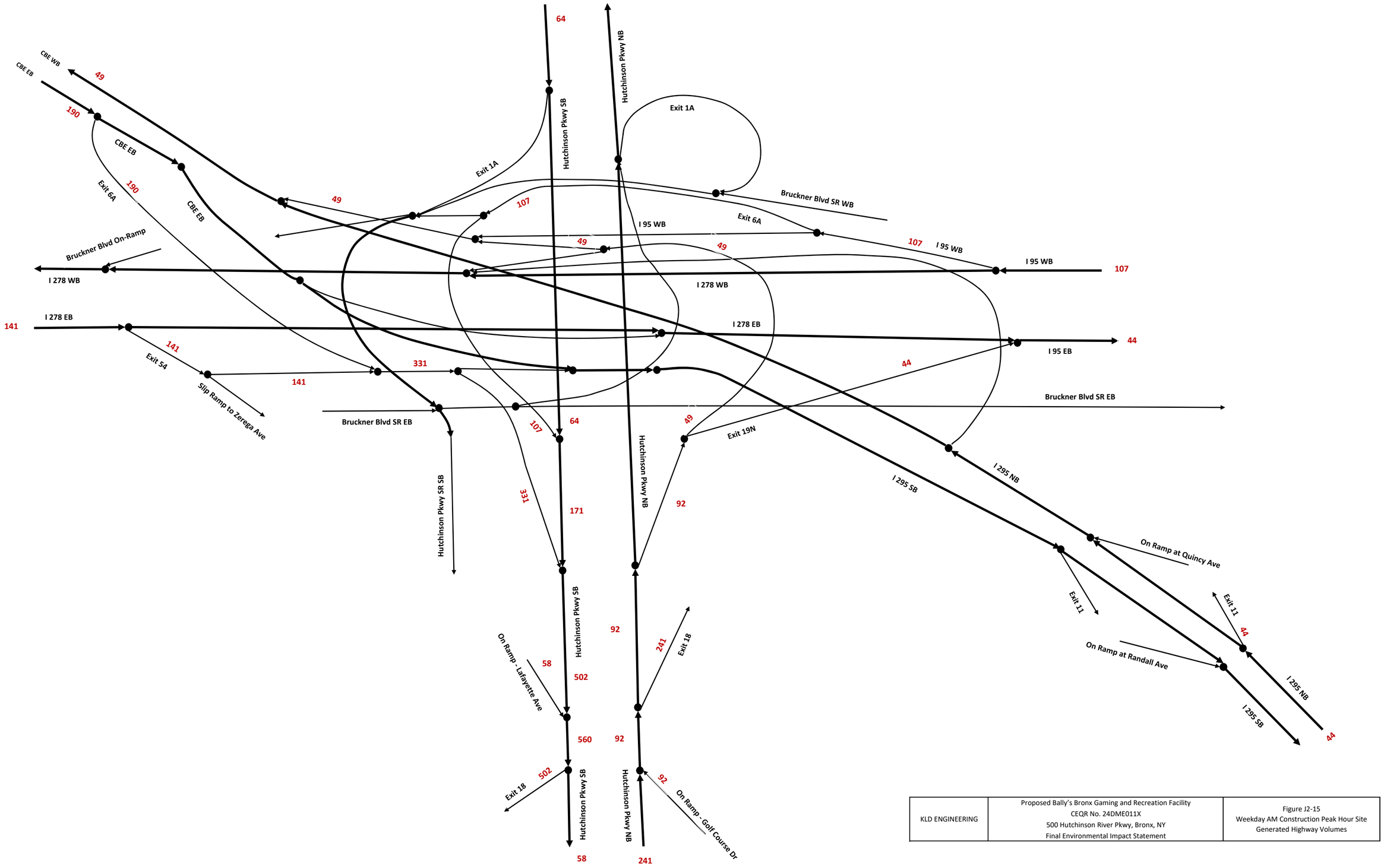

Zerega Avenue
Ramp from NB I-95
Brush Avenue
Ramp from WB
Bruckner Blvd / SB
Hutchinson River
Bruckner Boulevard
Zerega Avenue
Home Depot Driveway
Brush Avenue
Lafayette Avenue
Cemetery
Lafayette Avenue
Wenner Place
Rohr Place
Senger Place
Brush Avenue
Schley Avenue
Southbound Service Road
Hutchinson River Parkway (Interstate 678)
Northbound Service Road
Site
Southbound Service Road
Cross Bronx Expressway Extension
(Interstate 295)
Northbound Service Road
Randall Avenue
N
LEGEND
Existing Roadway
Proposed Roadway
Existing Private Driveway
Weekday AM Construction Peak Hour Volumes
Signalized Intersection
not to scale
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FIGURE J2-13
Weekday AM Peak Hour
Site-Generated Construction Local
Intersection Volumes



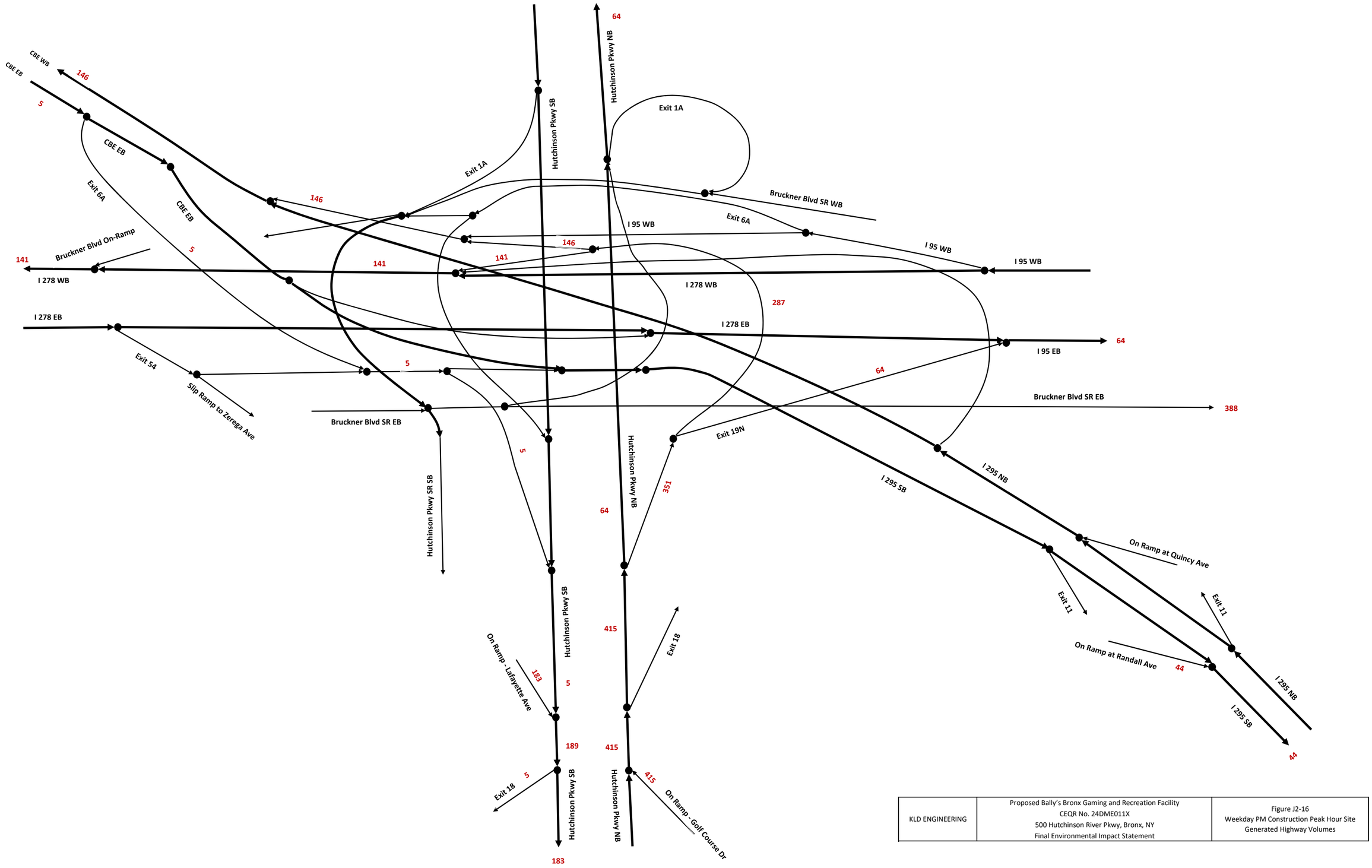
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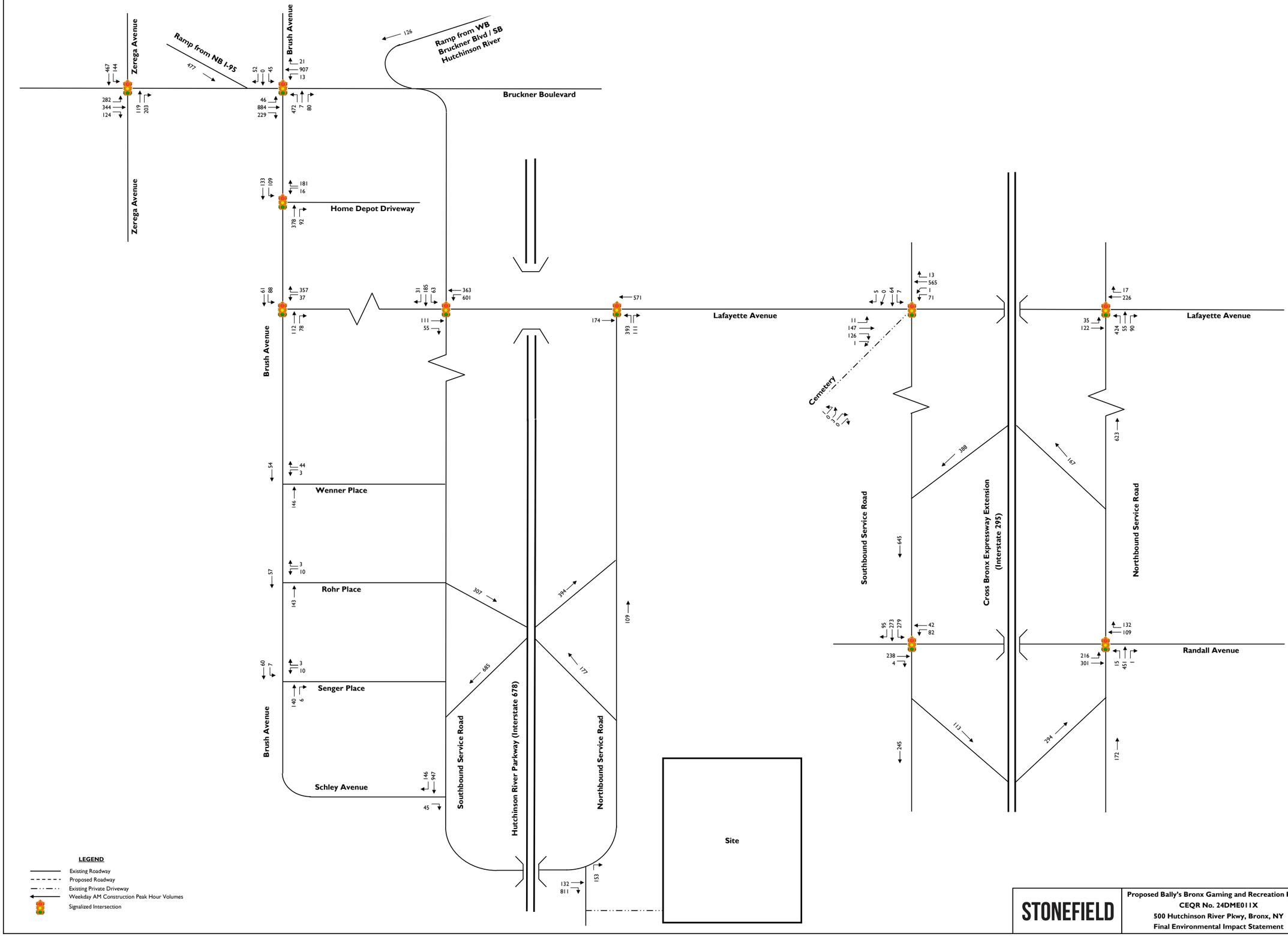
FIGURE J2-14
Weekday PM Peak Hour
Site-Generated Construction Local Intersection Volumes



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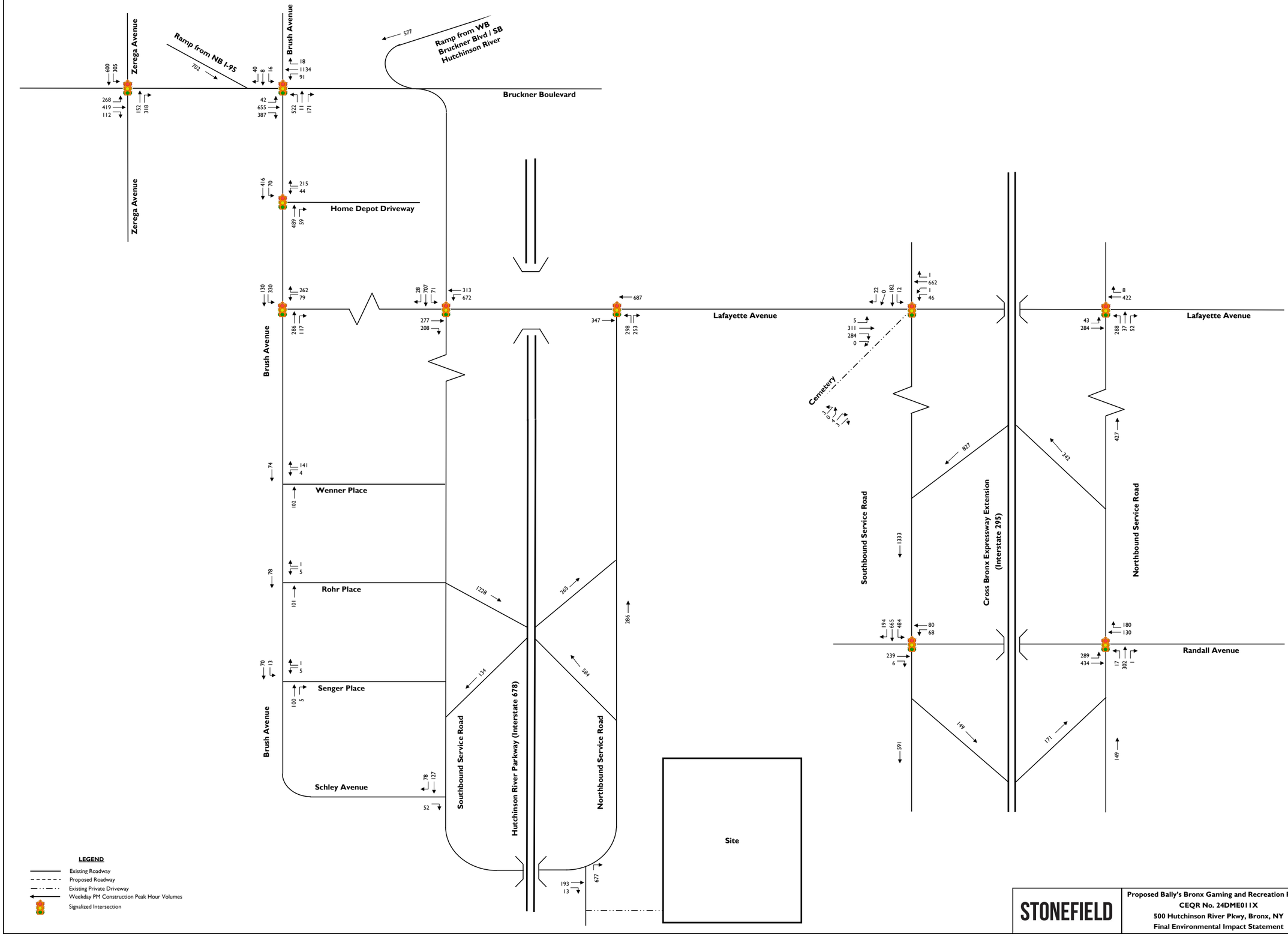
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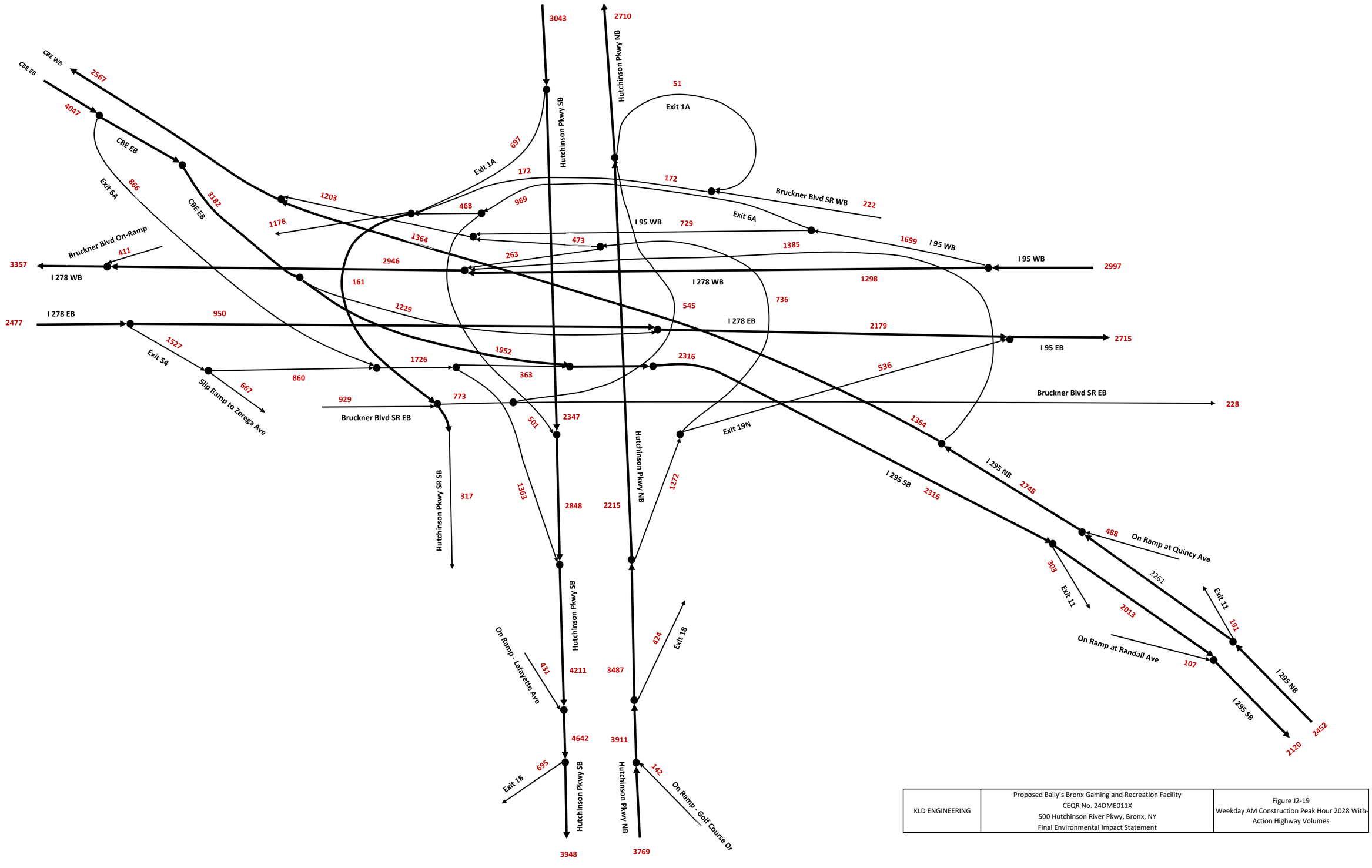
FIGURE J2-17
Weekday AM Peak Hour
2028 With-Action Construction
Local Intersection Volumes



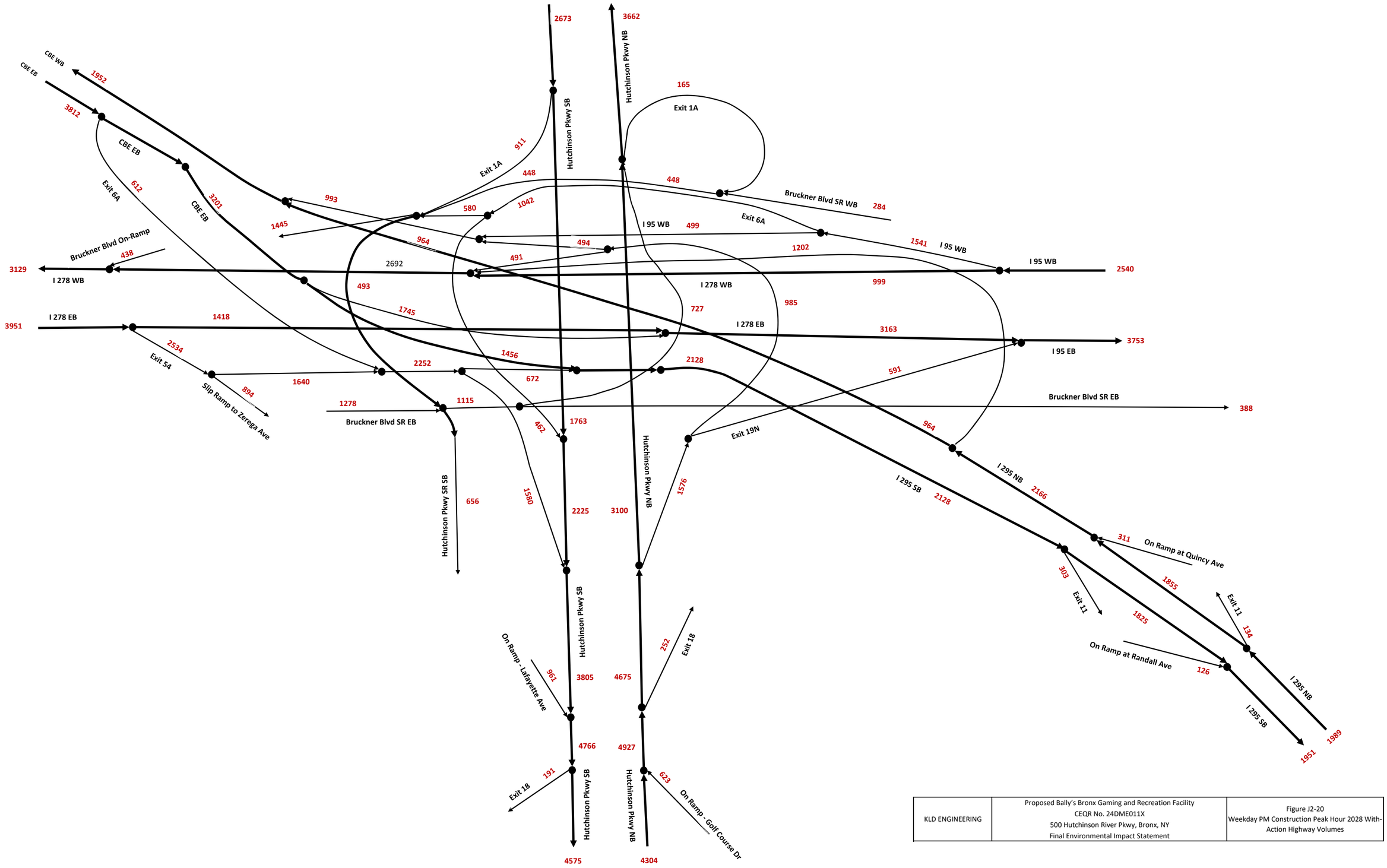
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FIGURE J2-18
Weekday PM Peak Hour
2028 With-Action Construction
Local Intersection Volumes



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J-3

Bally's Bronx
Construction Equipment

LANGAN

Estimated Equipment Usage

Demolition	Demolition				Demolition				Demolition				Demolition				Demolition				Demolition				Demolition				Demolition				Demolition				Demolition				Demolition			
Equipment Usage (%) by Month		1	2	3		4	5	6		7	8	9		10	11	12		13	14	15		16	17	18		19	20	21		22	23	24		25	26	27		28	29	30	
Excavation	Excavation				Excavation				Excavation				Excavation				Excavation				Excavation				Excavation				Excavation				Excavation & Foundation							
Equipment Usage (%) by Month		1	2	3		4	5	6		7	8	9		10	11	12		13	14	15		16	17	18		19	20	21		22	23	24		25	26	27		28	29	30	
Foundation	Foundation				Foundation				Foundation				Foundation				Foundation				Foundation				Foundation				Foundation				Excavation & Foundation							
Equipment Usage (%) by Month		1	2	3		4	5	6		7	8	9		10	11	12		13	14	15		16	17	18		19	20	21		22	23	24		25	26	27		28	29	30	
Superstructure	Superstructure				Superstructure				Superstructure				Superstructure				Superstructure				Superstructure				Superstructure				Superstructure				Superstructure							
Equipment Usage (%) by Month		1	2	3		4	5	6		7	8	9		10	11	12		13	14	15		16	17	18		19	20	21		22	23	24		25	26	27		28	29	30	
Envelope/Façade	Envelope/Façade				Envelope/Façade				Envelope/Façade				Envelope/Façade				Envelope/Façade				Envelope/Façade				Envelope/Façade				Envelope/Façade				Envelope/Façade							
Equipment Usage (%) by Month		1	2	3		4	5	6		7	8	9		10	11	12		13	14	15		16	17	18		19	20	21		22	23	24		25	26	27		28	29	30	
Interior Fitout	Interior Fitout				Interior Fitout				Interior Fitout				Interior Fitout				Interior Fitout				Interior Fitout				Interior Fitout				Interior Fitout				Interior Fitout							
Equipment Usage (%) by Month		1	2	3		4	5	6		7	8	9		10	11	12		13	14	15		16	17	18		19	20	21		22	23	24		25	26	27		28	29	30	
Closeout	Closeout				Closeout				Closeout				Closeout				Closeout				Closeout				Closeout				Closeout				Closeout							
Equipment Usage (%) by Month		1	2	3		4	5	6		7	8	9		10	11	12		13	14	15		16	17	18		19	20	21		22	23	24		25	26	27		28	29	30	
Ring Road	Ring Road				Ring Road				Ring Road				Ring Road				Ring Road				Ring Road				Ring Road				Ring Road				Ring Road							
Equipment Usage (%) by Month		1	2	3		4	5	6		7	8	9		10	11	12		13	14	15		16	17	18		19	20	21		22	23	24		25	26	27		28	29	30	
All Other Equipment > 5 HP	0				12	x	x	x	12	x	x	x	12	x	x	x	12	x	x	x	12	x	x	x	12	x	x	x	12	x	x	x	12	x	x	x								
Auger Drill Rig	0				0																																							
Backhoe	6	x	x	x	6	x	x	x	6	x	x	x	6	x	x	x	6	x	x	x	6	x	x	x	6	x	x	x	6	x	x	x	6	x	x	x								
Bar Bender	2	x	x	x	2	x	x	x	2	x	x	x	2	x	x	x	2	x	x	x	2	x	x	x	2	x	x	x	6															
Blasting	0				0																																							
Boring Jack Power Unit																																													
Chain Saw	0	0	0		0																																							
Clam Shovel (dropping)	0				0																																							
Compactor Equipment (ground)	4	x	x	x	4	x	x	x	4	x	x	x	4	x	x	x	4	x	x	x	4	x	x	x	4	x	x	x	4	x	x	x	4	x	x	x								
Compressor (air, ≤ 350 cfm)	6	x	x	x	6	x	x	x	6	x	x	x	12	x	x	x	18	x	x	x	20	x	x	x	20	x	x	x	18	x	x	x	12	x	x	x								
Compressor (air, > 350 cfm)	6	x	x	x	0																	x	x	x																				
Concrete Batch Plant	0				0																																							
Concrete Saw	10		x	x	20		x	x	20		x	x	20		x	x	20		x	x	20		x	x	10			x	10			x	10			x								
Concrete Mixer Truck	5			x	20	x	x	x	20	x	x	x	20	x	x	x	20	x	x	x	20	x	x	x																				
Concrete Pump Truck					6	x	x	x	6	x	x	x	6	x	x	x	6	x	x	x	6	x	x	x	6	x	x	x																	
Crane	6		x	x	6	x	x	x	6	x	x	x	6	x			6				6				6				6															
Dozer	4		x	x	4	x	x	x																																				
Drill Rig Truck	6		x	x	6	x	x	x																																				
Drum Mixer																																													
Dump Truck	10		x	x	10	x	x	x	10	x	x	x	10	x	x	x	10	x	x	x	10	x	x	x	10	x	x	x	10	x	x	x												
Dumpster/Rubbish Removal	10		x	x	10	x	x	x	10	x	x	x	10	x	x	x	10	x	x	x	10	x	x	x	10	x	x	x	10	x	x	x	10	X	X	X								
Excavator	6		x	x	6	x	x	x	6	x			4				3	x	x	x	3	x	x	x	2	x	x	x	2	x	x	x												
Flat Bed Truck	3		x	x	3	x	x	x	15	x	x	x	15	x	x	x	15	x	x	x	25	x	x	x	40	x	x	x	45	x	x	x	45	x	x	x	40	x	x	x				
Front End Loader	4		x	x	4	x	x	x	4	x	x	x	3	x	x	x	3	x	x	x	3	x	x	x	2	x	x	x	2	x	x	x	2	x										
Generator (< 25 KVA, VMS signs)	6		x	x	6	x	x	x	10	x	x	x	10	x	x	x	10	x	x	x	10	x	x	x	10	x	x	x	10	x	x	x												
Gradall	2		x	x	2	x	x	x	2	x	x	x	2	x	x		2	x	x	x	2	x	x	x	2	x	x	x	2	x	x	x												
Grader	2		x	x	2	x	x	x	2	x	x	x	2	x	x		2	x	x	x	2	x	x	x	2	x	x	x	2	x	x	x												
Grapple (on Backhoe)	0				0																								1	x	x	x												
Horizontol Boring Hydr. Jack	0				0																								1	x	x	x												
Hydra Break Ram	0				0																								1	x	x	x												
Impact Pile Driver	0				0																																							
Jackhammer	6	x	x	x	6	x	x	x	6	x	x	x	6	x	x	x	6	x	x	x	6	x	x	x	6	x	x	x	4	x	x													
Man Lift	0				0				3		x	x	6	x	x	x	6	x	x	x	6	x	x	x	6	x	x	x	6	x														
Mounted Impact Hammer (Hoe Ram)	1	X	X	X	1	x	x	x	1	x																																		

Estimated Equipment Usage

Demolition	Demolition																																	
Equipment Usage (%) by Month		1	2	3		4	5	6		7	8	9		10	11	12		13	14	15		16	17	18		19	20	21		22	23	24		25	26	27		28	29	30	
Excavation	Excavation					Excavation				Excavation				Excavation				Excavation				Excavation				Excavation				Excavation				Excavation & Foundation							
Equipment Usage (%) by Month		1	2	3		4	5	6		7	8	9		10	11	12		13	14	15		16	17	18		19	20	21		22	23	24		25	26	27		28	29	30	
Foundation	Foundation					Foundation				Foundation				Foundation				Foundation				Foundation				Foundation				Foundation				Excavation & Foundation							
Equipment Usage (%) by Month		1	2	3		4	5	6		7	8	9		10	11	12		13	14	15		16	17	18		19	20	21		22	23	24		25	26	27		28	29	30	
Superstructure	Superstructure					Superstructure				Superstructure				Superstructure				Superstructure				Superstructure				Superstructure				Superstructure				Superstructure							
Equipment Usage (%) by Month		1	2	3		4	5	6		7	8	9		10	11	12		13	14	15		16	17	18		19	20	21		22	23	24		25	26	27		28	29	30	
Envelope/Façade	Envelope/Façade					Envelope/Façade				Envelope/Façade				Envelope/Façade				Envelope/Façade				Envelope/Façade				Envelope/Façade				Envelope/Façade				Envelope/Façade							
Equipment Usage (%) by Month		1	2	3		4	5	6		7	8	9		10	11	12		13	14	15		16	17	18		19	20	21		22	23	24		25	26	27		28	29	30	
Interior Fitout	Interior Fitout					Interior Fitout				Interior Fitout				Interior Fitout				Interior Fitout				Interior Fitout				Interior Fitout				Interior Fitout				Interior Fitout							
Equipment Usage (%) by Month		1	2	3		4	5	6		7	8	9		10	11	12		13	14	15		16	17	18		19	20	21		22	23	24		25	26	27		28	29	30	
Closeout	Closeout					Closeout				Closeout				Closeout				Closeout				Closeout				Closeout				Closeout				Closeout							
Equipment Usage (%) by Month		1	2	3		4	5	6		7	8	9		10	11	12		13	14	15		16	17	18		19	20	21		22	23	24		25	26	27		28	29	30	
Ring Road	Ring Road					Ring Road				Ring Road				Ring Road				Ring Road				Ring Road				Ring Road				Ring Road				Ring Road							
Equipment Usage (%) by Month		1	2	3		4	5	6		7	8	9		10	11	12		13	14	15		16	17	18		19	20	21		22	23	24		25	26	27		28	29	30	
Pavement Scarafier																												1	x	x	x									
Paver																												1	x	x	x									
Pickup Truck					20	x	x	x	20	x	x	x	30	x	x	x	30	x	x	x	45	x	x	x	50	x	x	x	45	x	x	x	30	x	x	x	20	x	x	x	
Pneumatic Tools	20	x	x	x	20	x	x	x	20	x	x	x	20	x	x	x	20	x	x	x	20	x	x	x	20	x	x	x	20	x	x	x	20	x	x	x	20	x	x		
Pumps									8	x	x	x	8	x	x	x	8	x	x	x	8	x	x	x	6	x	x	x	6	x	x	x	3	x	x	x					
Refrigerator Unit					1		X	X	2	X	x	x	2	x	x	x	3	x	x	x	3	x	x	x	3	x	x	x	3	x	x	x	3	x	x	x					
Rivet Buster/Chipping Gun									6	x	x	x	6	x	x	x	6	x	x	x	6	x	x	x	6	x	x	x	6				6	x							
Rock Drill																												2		x	x	2	x	x	x					
Roller																												2	x	x	x	2	x	x	x					
Sand Blasting																												2	x	x	x	2	x	x	x					
Scraper	6	X	X	X	6	X	X																					4	x	x	x									
Shears (on Backhoe)																																							
Slurry Plant																																							
Slurry Trenching Machine	1			X	1	X	X																																
Soil Mix Drill Rig																																							
Tractor									1	x																		1	x	x	x	1	x							
Vacuum Excavator)	1	X	X	X	0																																		
Vacuum Street Sweeper	2	X	X	X	2	X	X	X	2	x	x	x	2	x	x	x	2	x	x	x	2	x	x	x	2	x	x	x	2	x	x	x	2	x	x	x	2	x	x	x	
Ventilation Fan	2	X	X	X	2	X	X	X	2	x	x	x	10	x	x	x	10	x	x	x	10	x	x	x	10	x	x	x	10	x	x	x	10	x	x	x					
Vibrating Hopper																													x	x		x	x							
Vibratory Concrete Mixer																															5	x								
Vibratory Pile Driver																																							
Warning Horn	32	X	X	X	32	X	X	X	32	X	X	X	32	X	X	X	32	X	X	X	75	X	X	X	75	X	X	X	50	X	X	X	32	X	X	X	32	X	X	X	
Water Truck	4	X	X	X	4	X	X	X	4	X	X	X	4	X	X	X	4	X	X	X	4	X	X	X	4	X	X	X	4	X	X	X	4	X	X	X					
Welder/Torch													50	X	X	X	50	X	X	X	50	X	X	X	50	X	X	X	50		x	x									