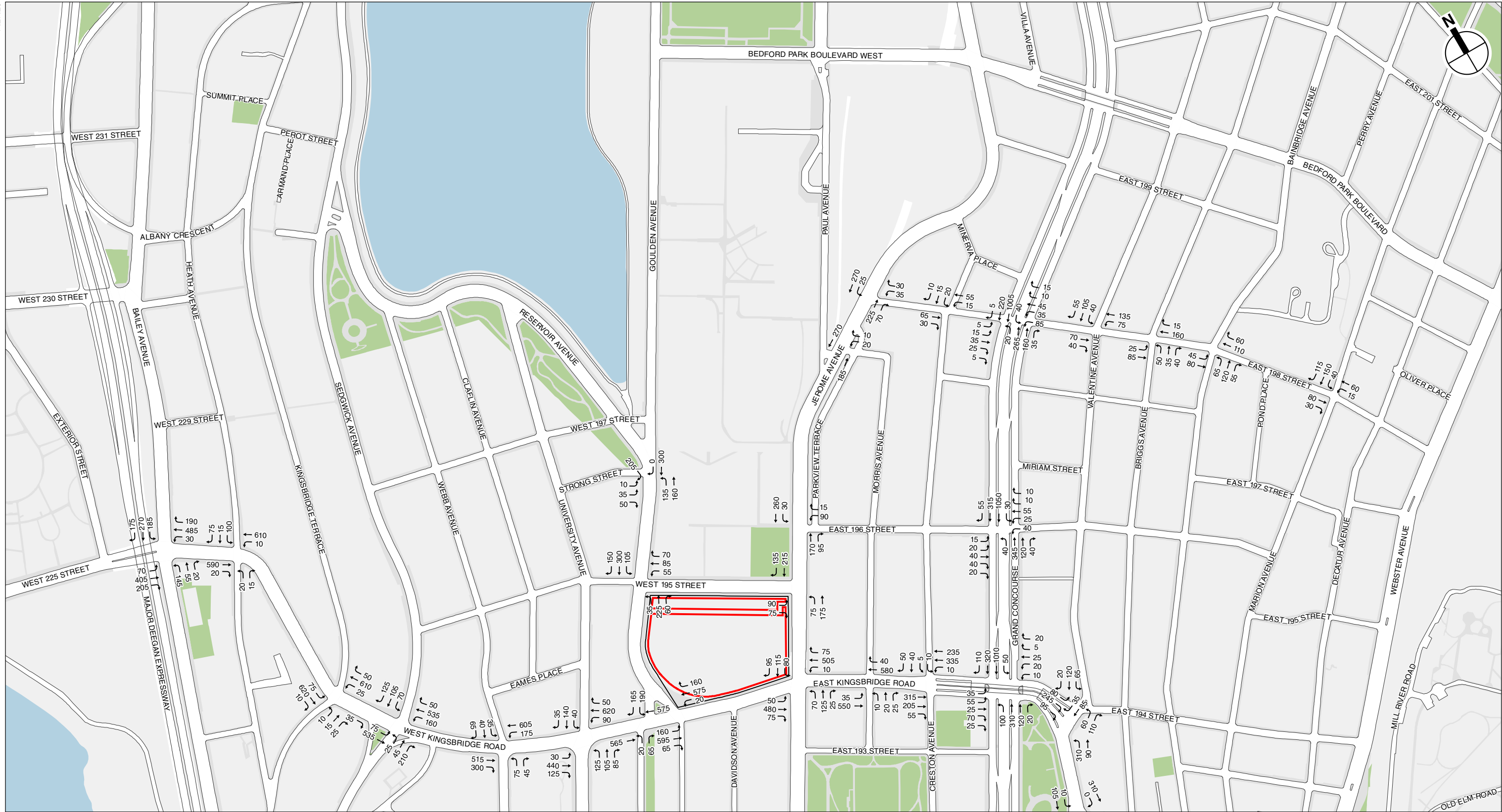


**Appendix D**  
**Transportation**

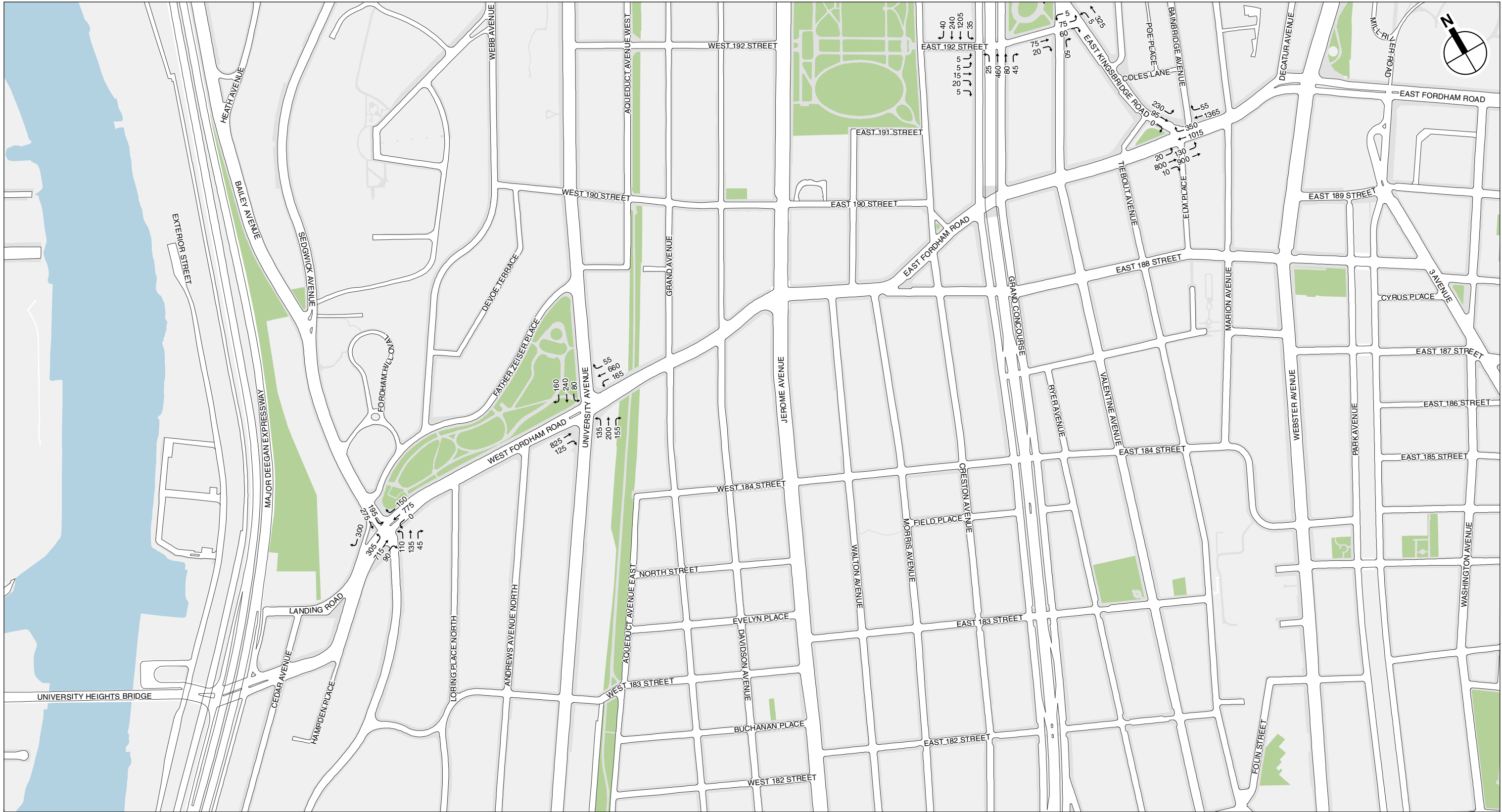
**Traffic**

## Traffic Figures



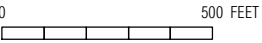
-  Project Site
-  Armory and National Guard Sites

NOTE: This figure has been updated for the FEIS.



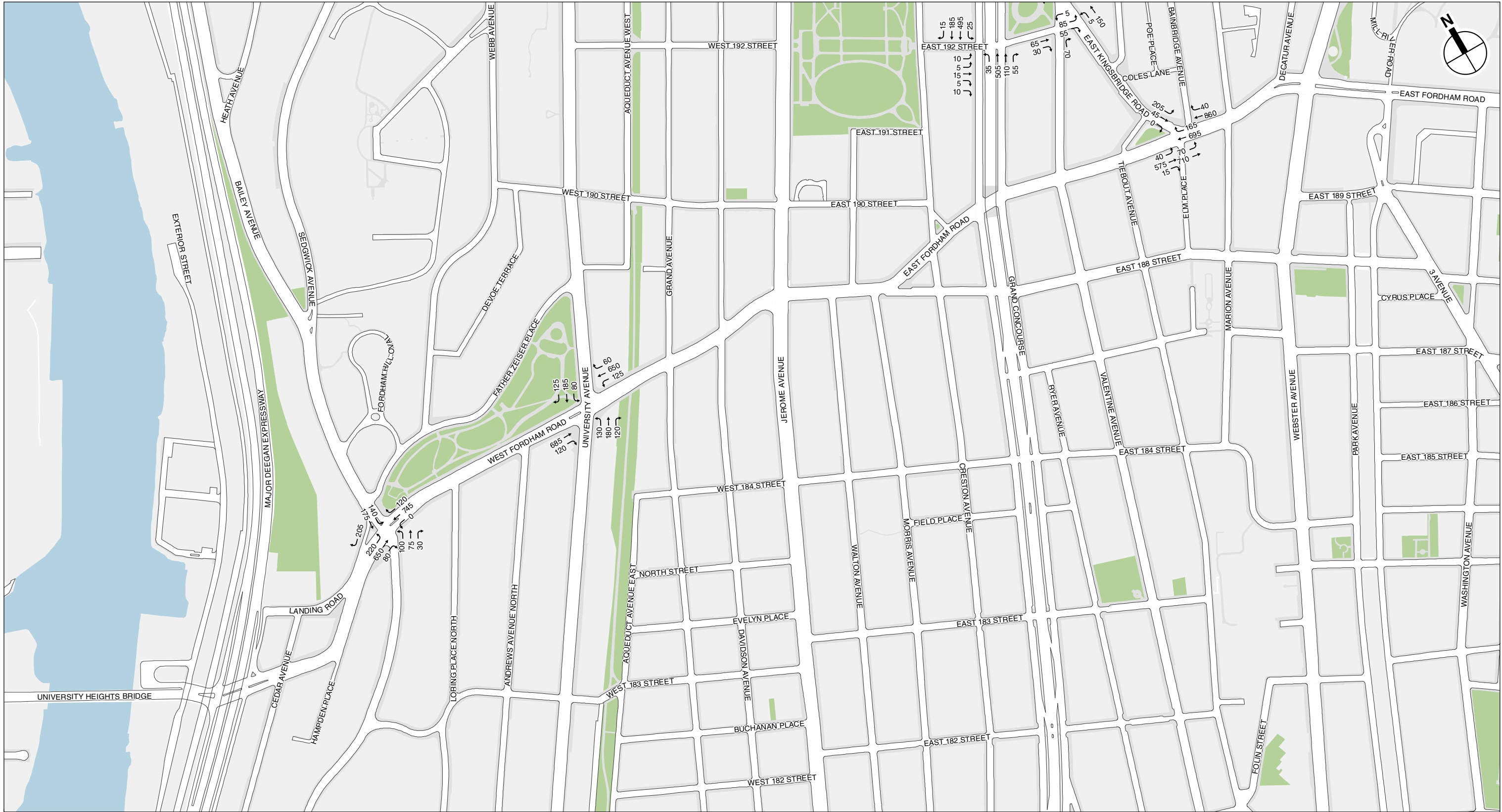
NOTE: This figure has been updated for the FEIS.

0 500 FEET

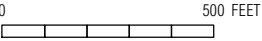


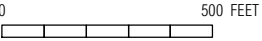
## Existing Traffic Volumes Weekday Midday Peak Hour

### Figure D-2a



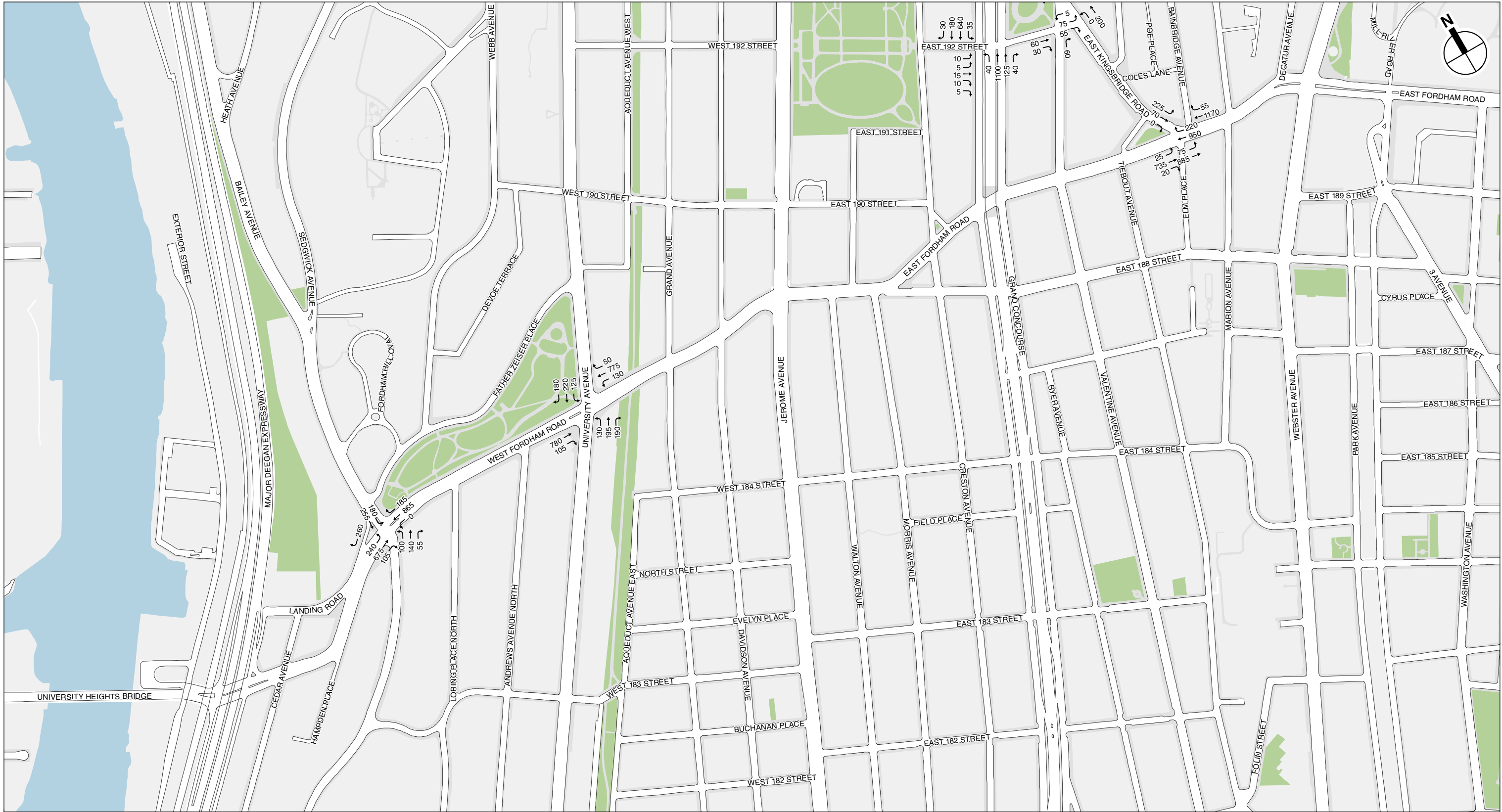
NOTE: This figure has been updated for the FEIS.



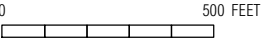


## Existing Traffic Volumes Weekday PM Peak Hour

### Figure D-3a



NOTE: This figure has been updated for the FEIS.





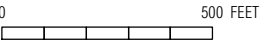
-  Project Site
-  Armory and National Guard Sites

NOTE: This figure has been updated for the FEIS.

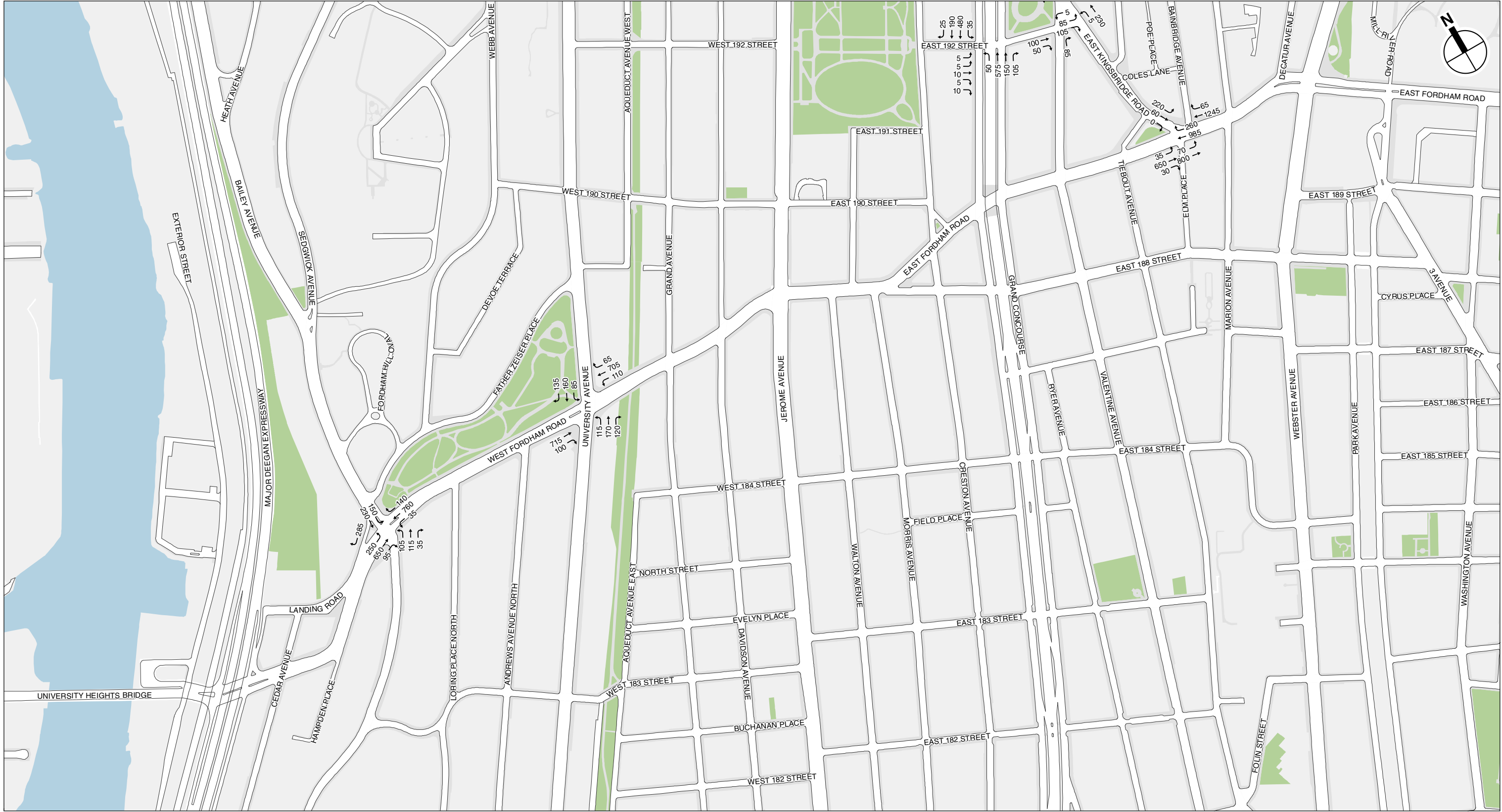
0 500 FEET



Existing Traffic Volumes  
Weekday Evening Peak Hour  
**Figure D-4b**

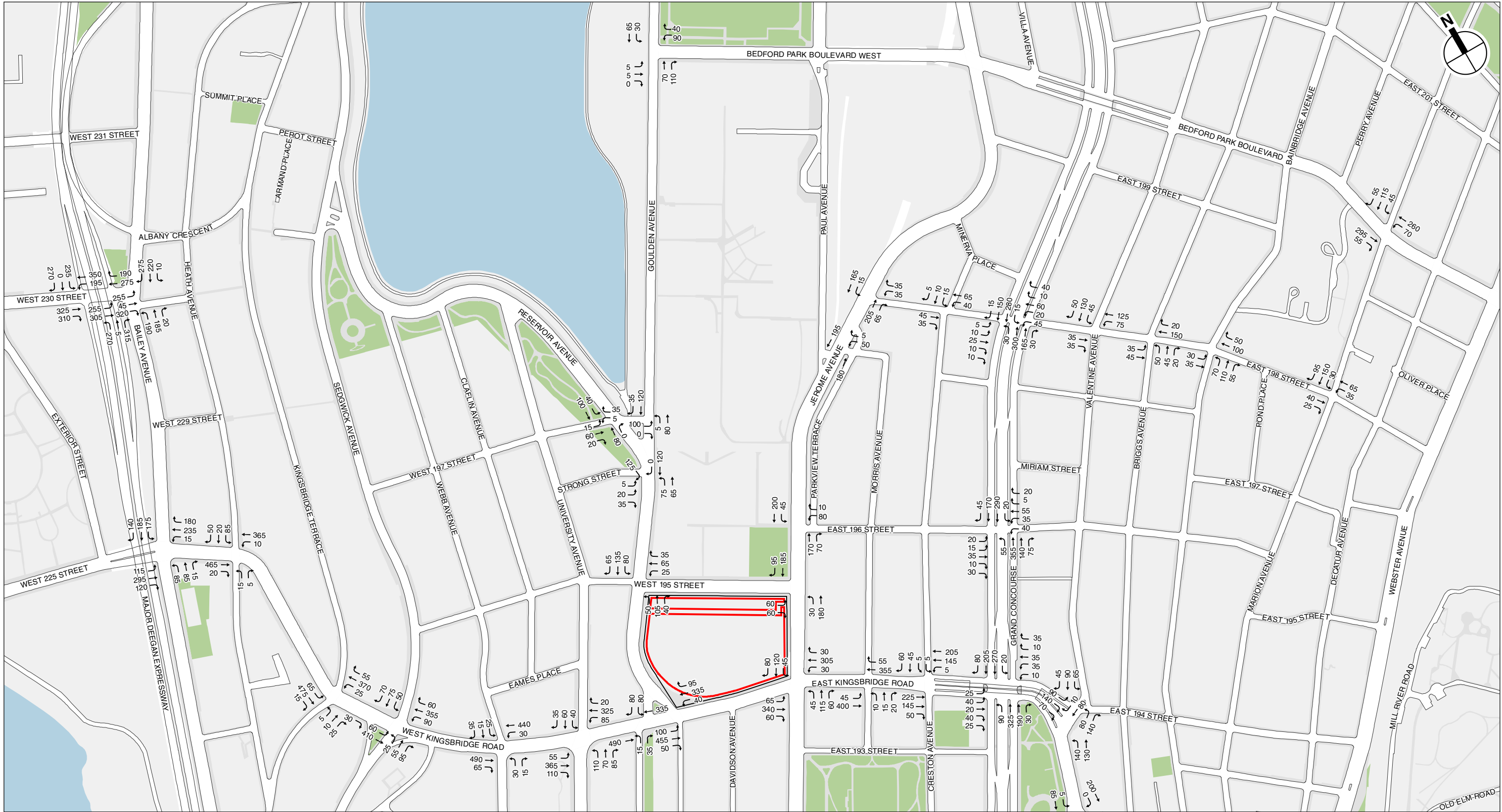


Existing Traffic Volumes  
Saturday Midday/Afternoon Peak Hour



NOTE: This figure has been updated for the FEIS.

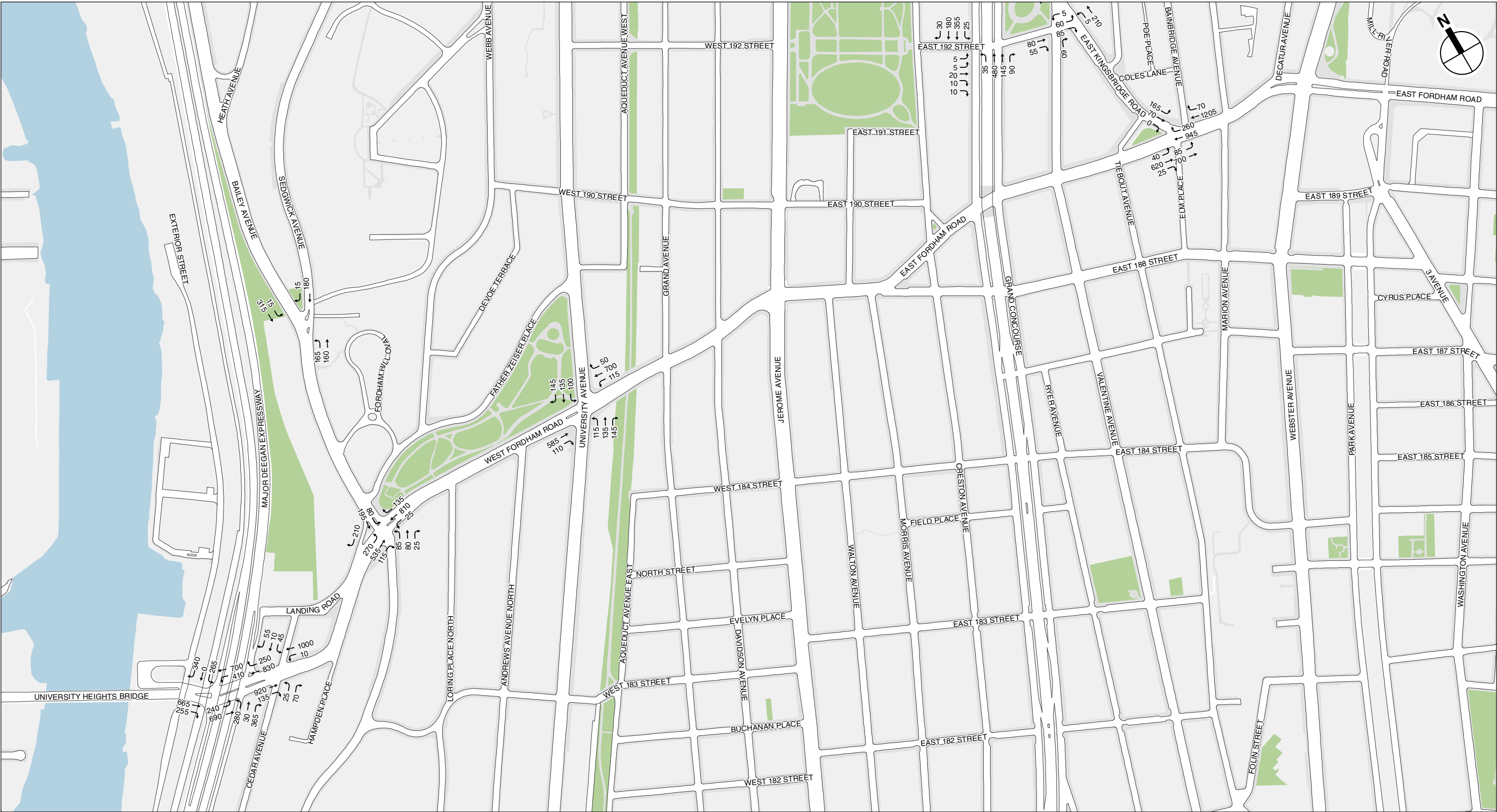
0 500 FEET



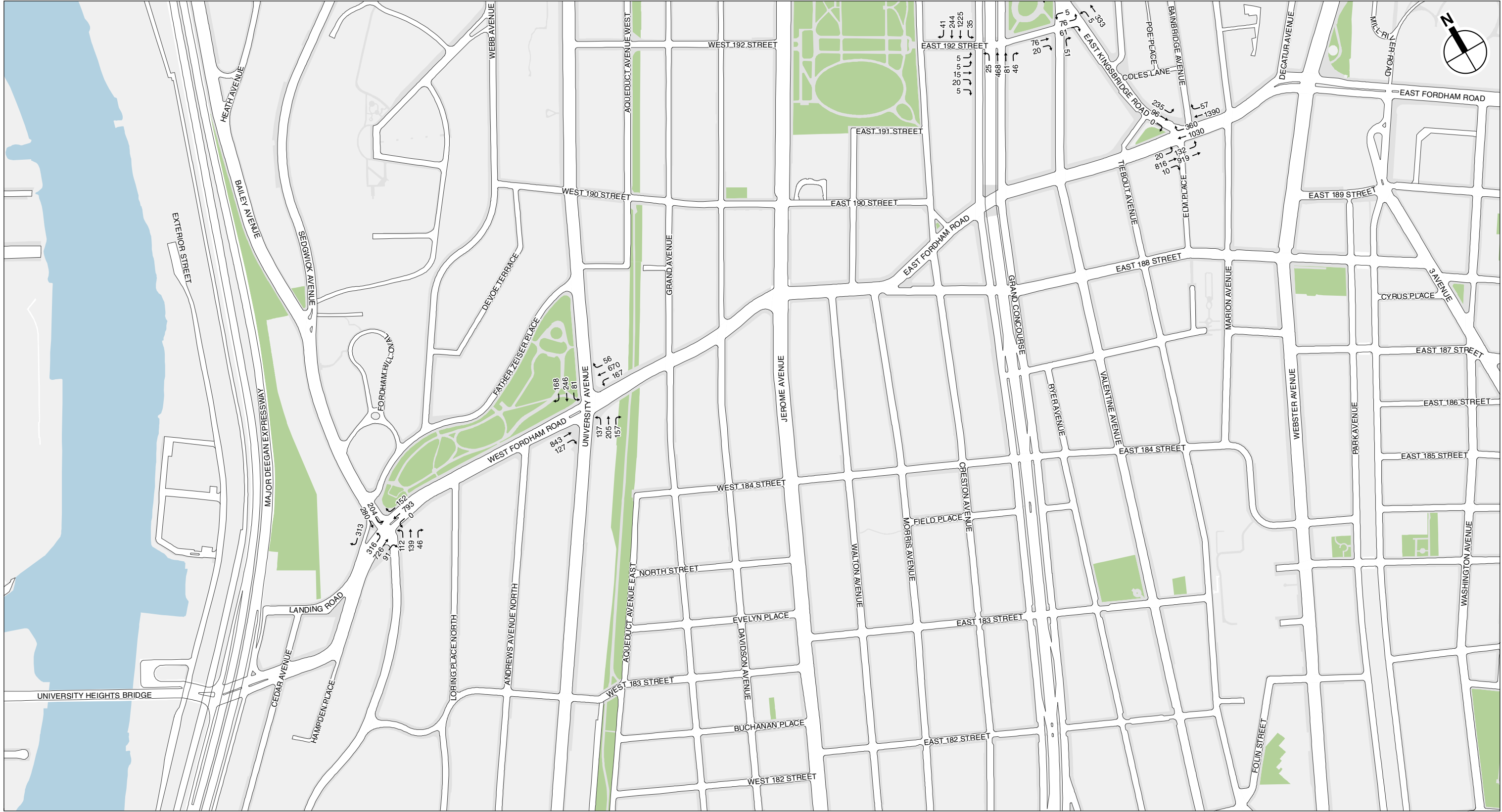
-  Project Site
-  Armory and National Guard Sites

NOTE: This figure has been updated for the FEIS.

Existing Traffic Volumes  
Saturday Evening Peak Hour  
Figure D-6a

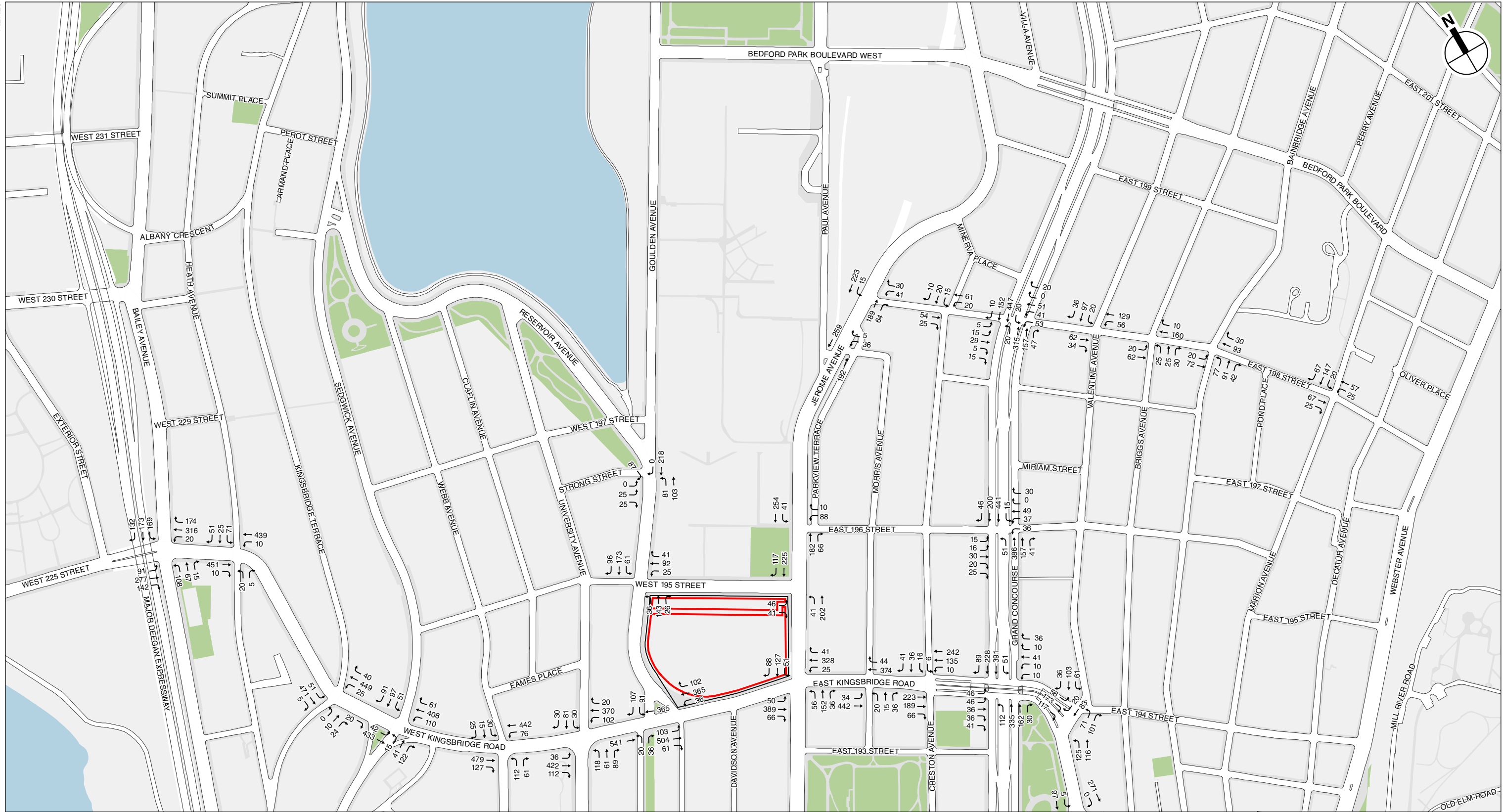






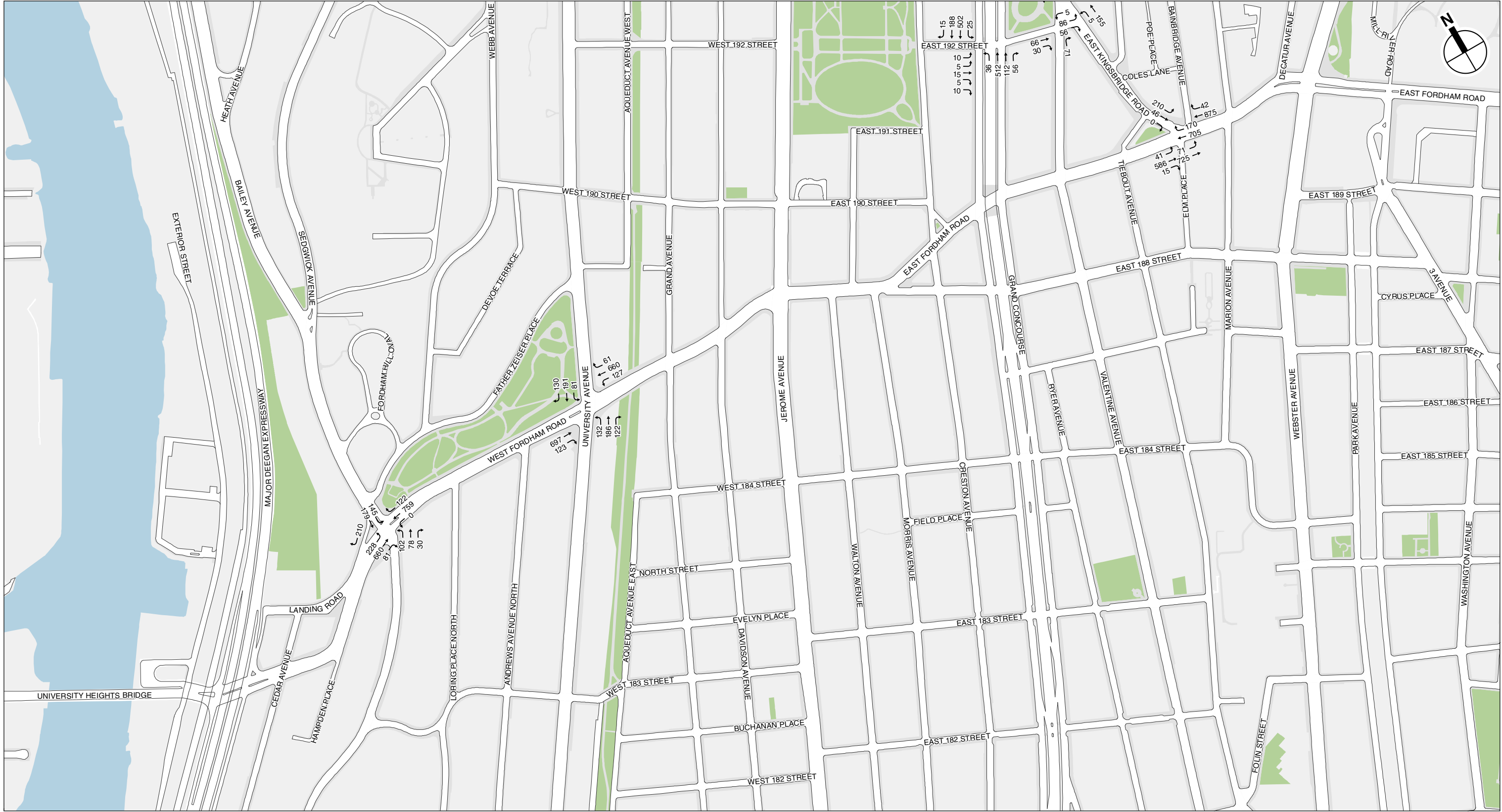
NOTE: This figure has been updated for the FEIS.

2032 No Action Traffic Volumes  
Weekday AM Peak Hour  
Figure D-7b



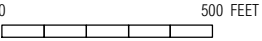
-  Project Site
-  Armory and National Guard Sites

NOTE: This figure has been updated for the FEIS.



NOTE: This figure has been updated for the FEIS.

0 500 FEET



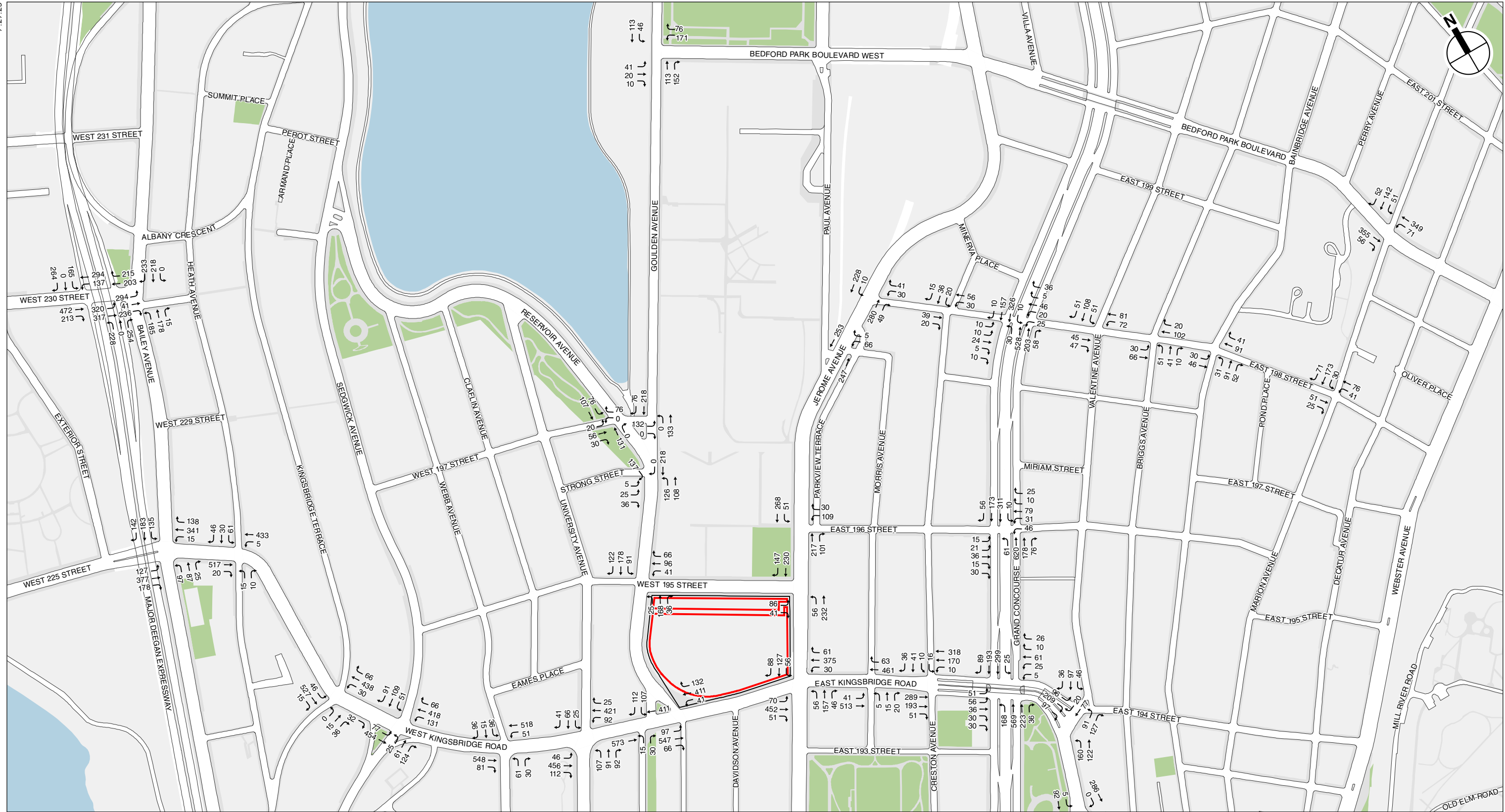
## 2032 No Action Traffic Volumes Weekday PM Peak Hour

### Figure D-9a

0 500 FEET

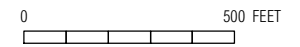


## KINGSBRIDGE ARMORY REDEVELOPMENT




-  Project Site
-  Armory and National Guard Sites

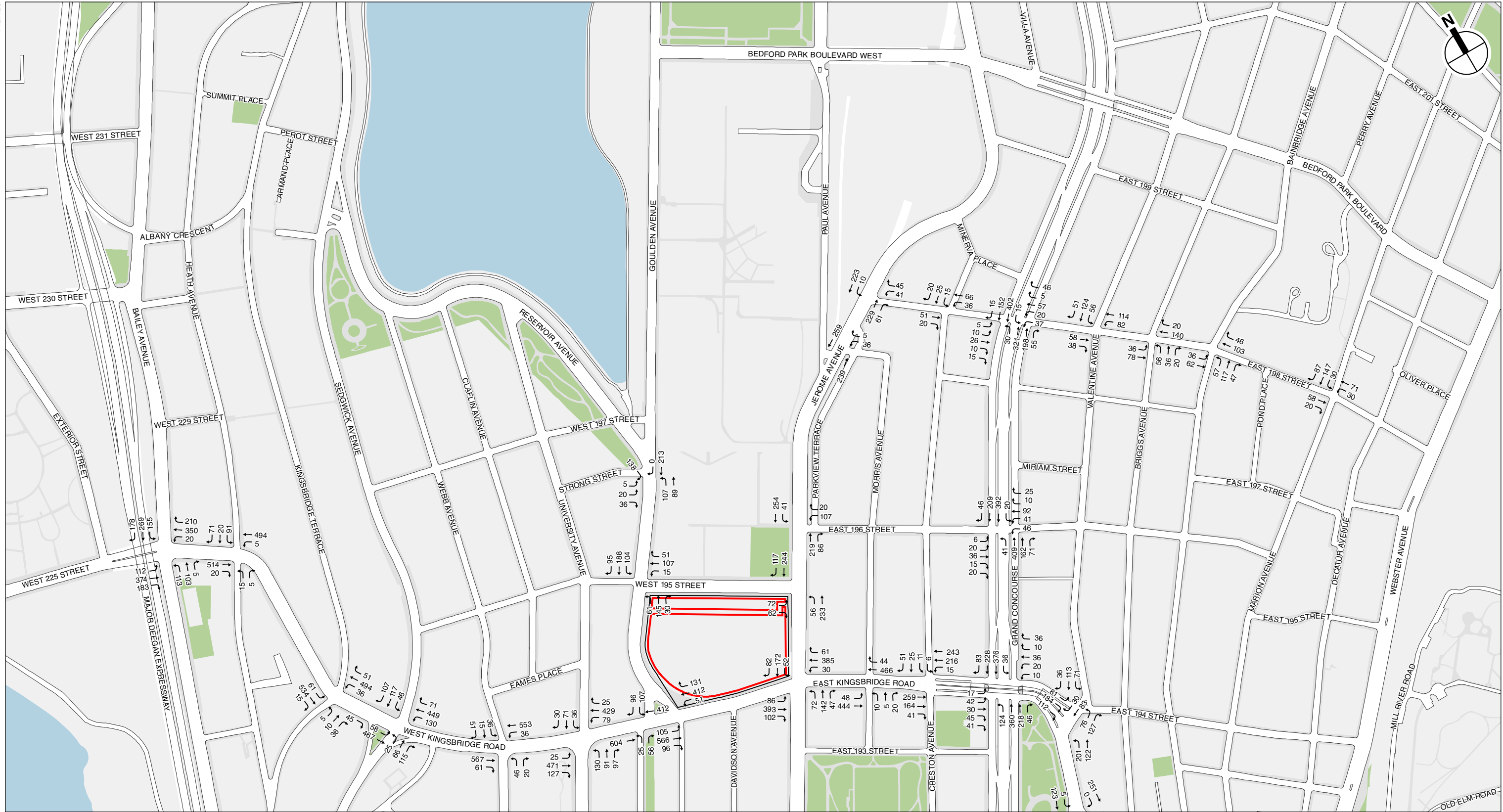
NOTE: This figure has been updated for the FEIS.



0 500 FEET

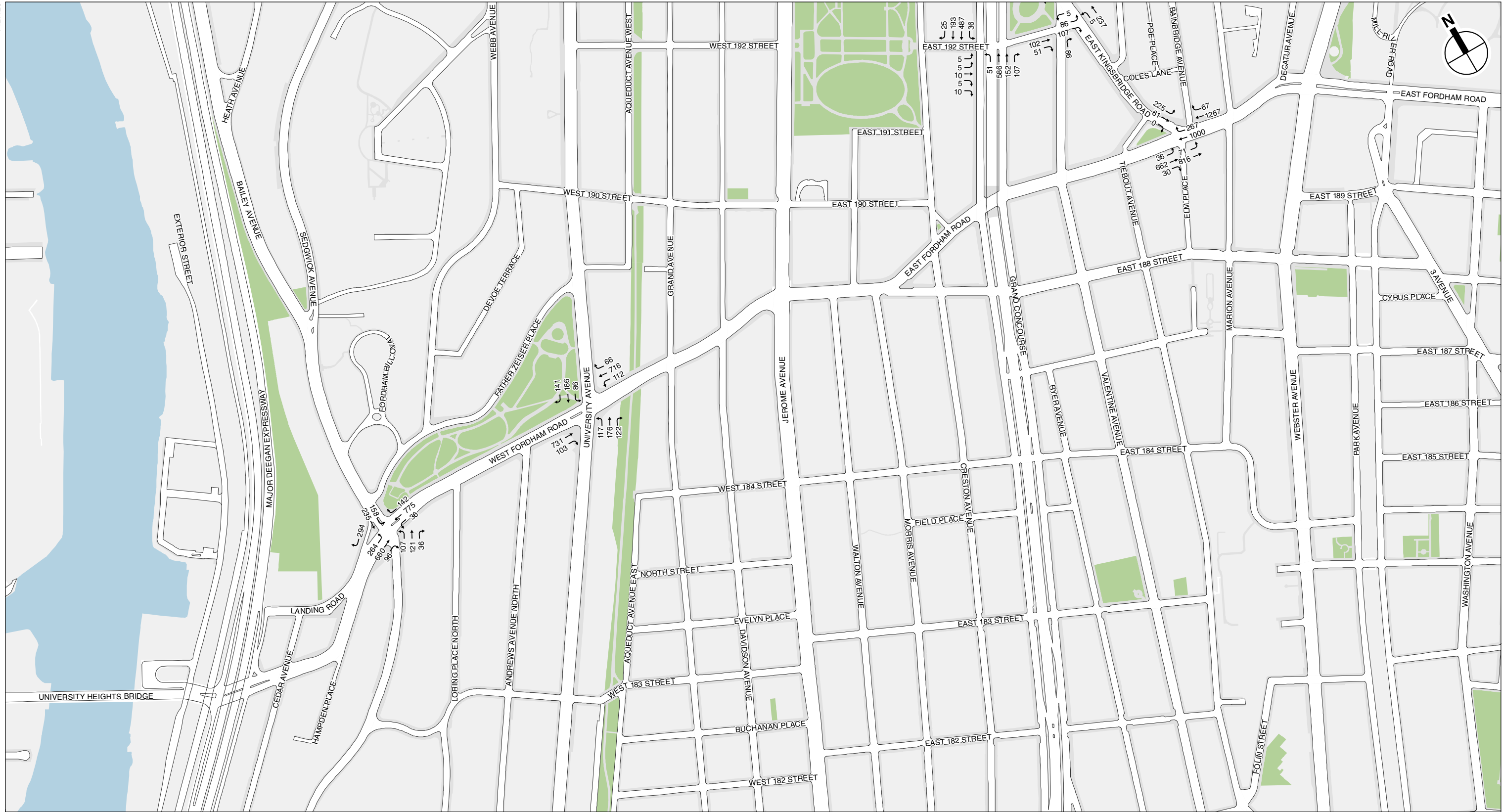


2032 No Action Traffic Volumes  
Weekday Evening Peak Hour  
**Figure D-10b**

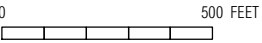


-  Project Site
-  Armory and National Guard Sites

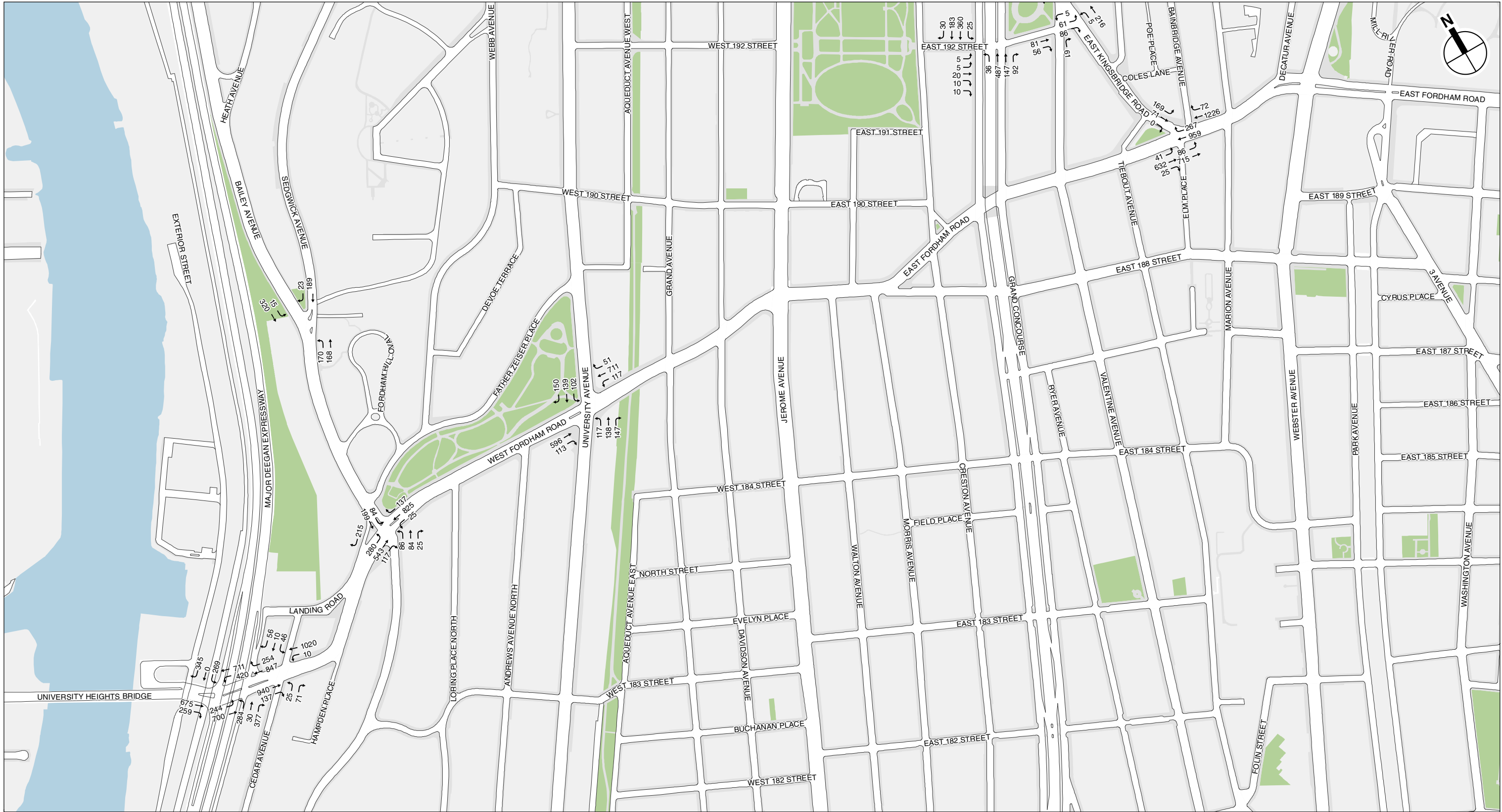
NOTE: This figure has been updated for the FEIS.



NOTE: This figure has been updated for the FEIS.

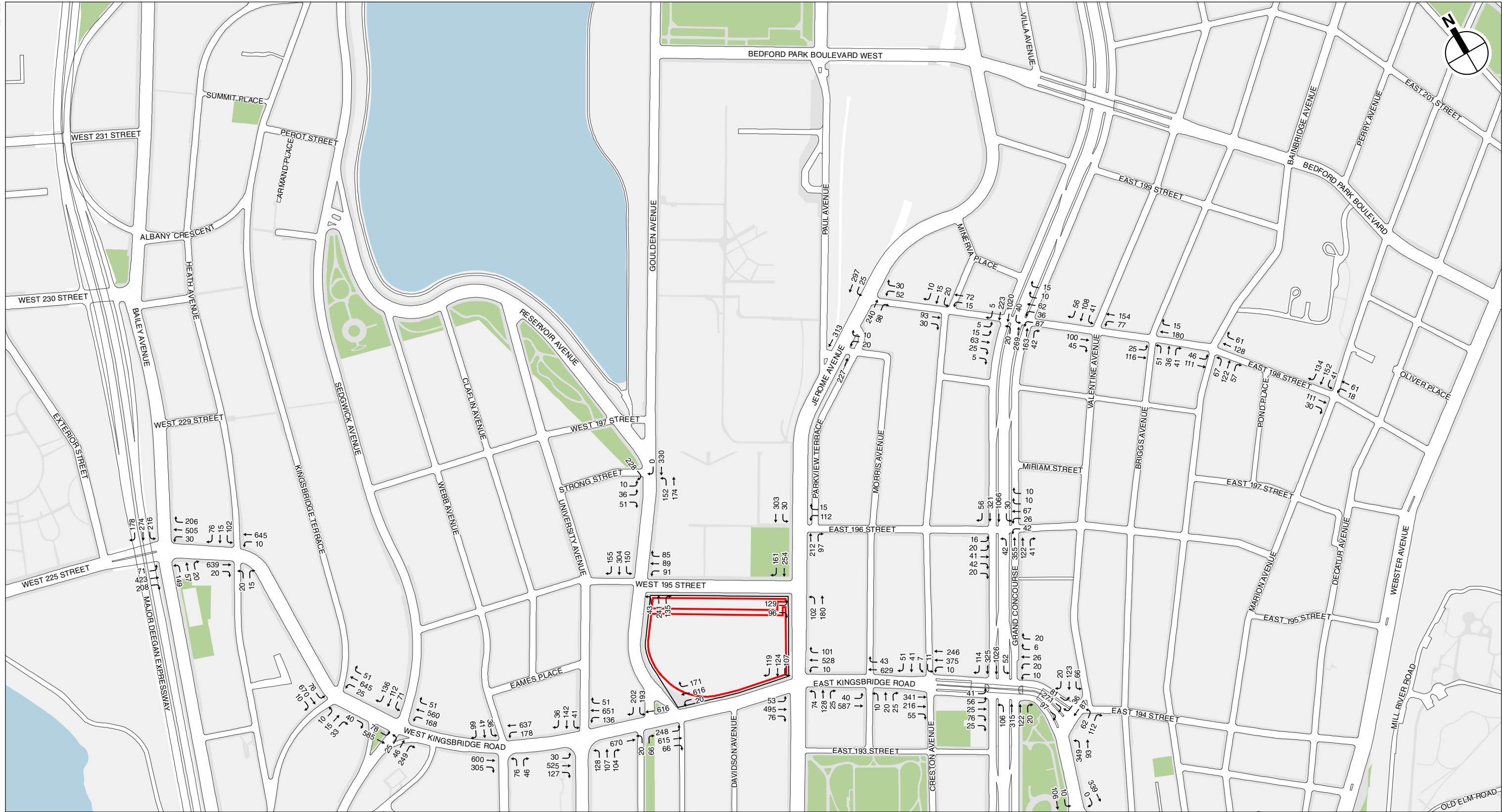


2032 No Action Traffic Volumes  
Saturday Evening Peak Hour  
**Figure D-12a**



NOTE: This figure has been updated for the FEIS.

0 500 FEET



-  Project Site
-  Armory and National Guard Sites

NOTE: This figure has been updated for the FEIS.

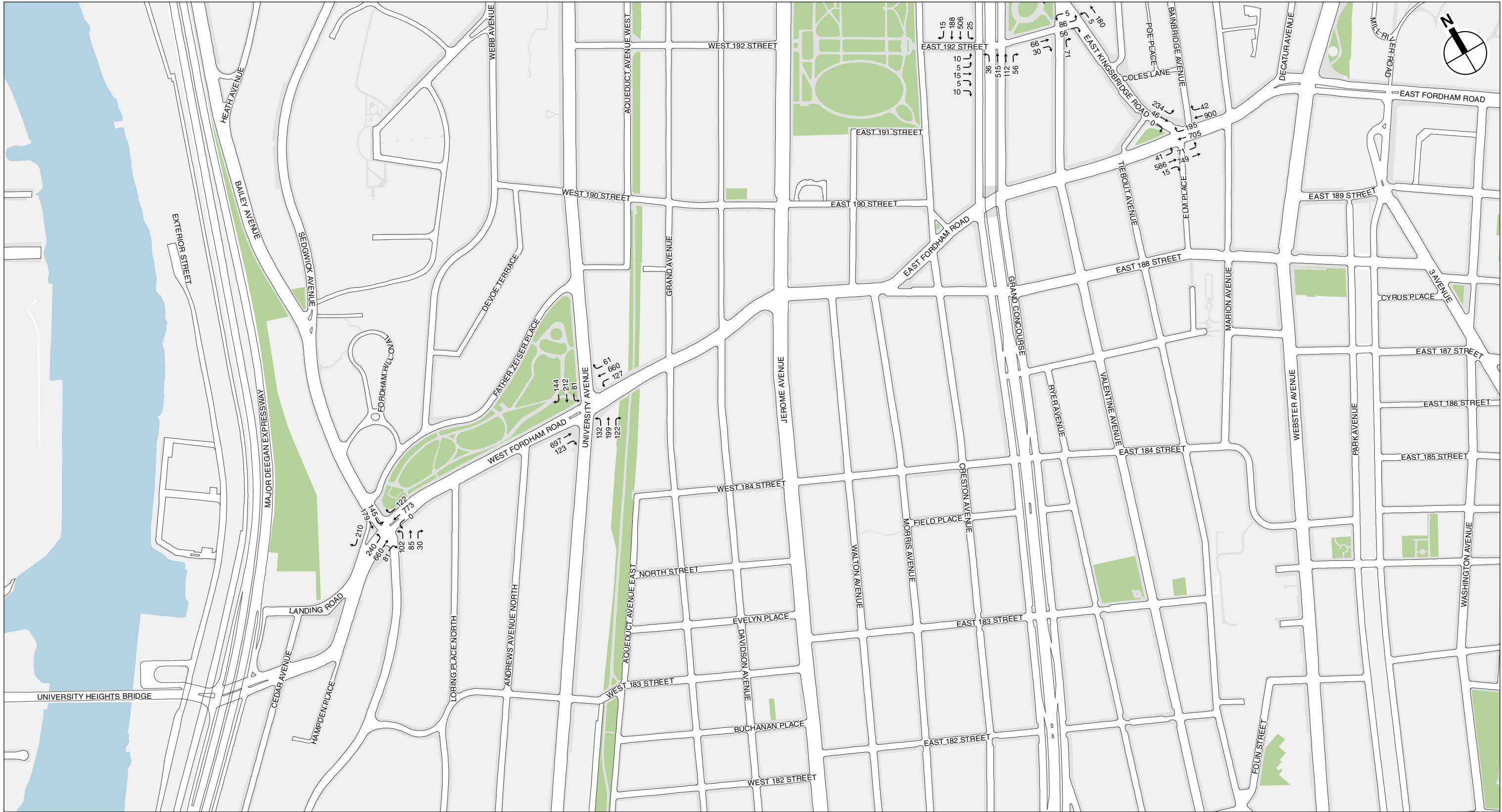
0 500 FEET



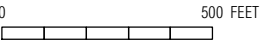
## KINGSBRIDGE ARMORY REDEVELOPMENT



NOTE: This figure has been updated for the FEIS.



NOTE: This figure has been updated for the FEIS.



2032 With Action Traffic Volumes  
Weekday PM Peak Hour  
**Figure D-15a**

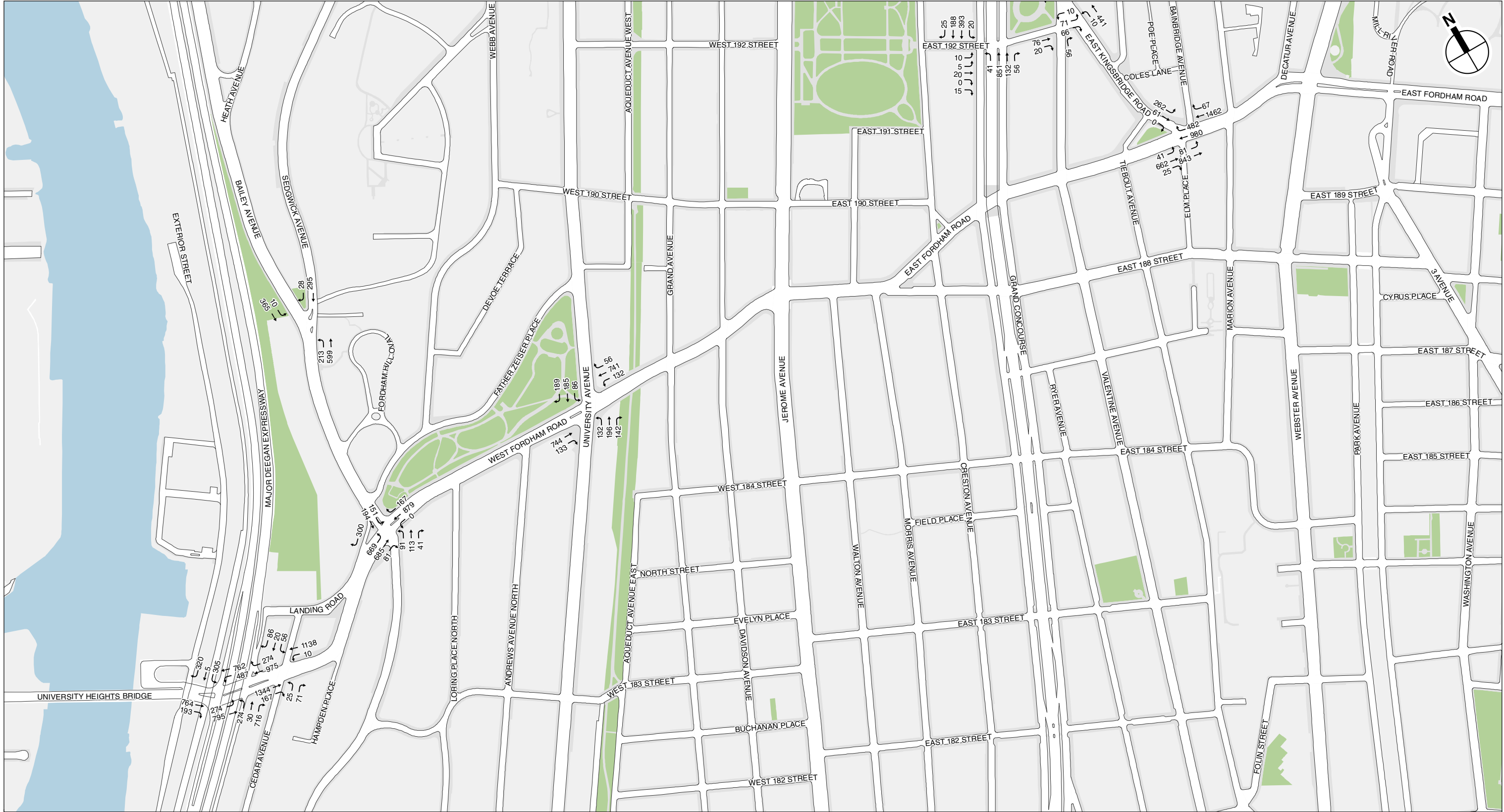
0 500 FEET

## KINGSBRIDGE ARMORY REDEVELOPMENT

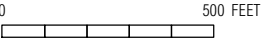


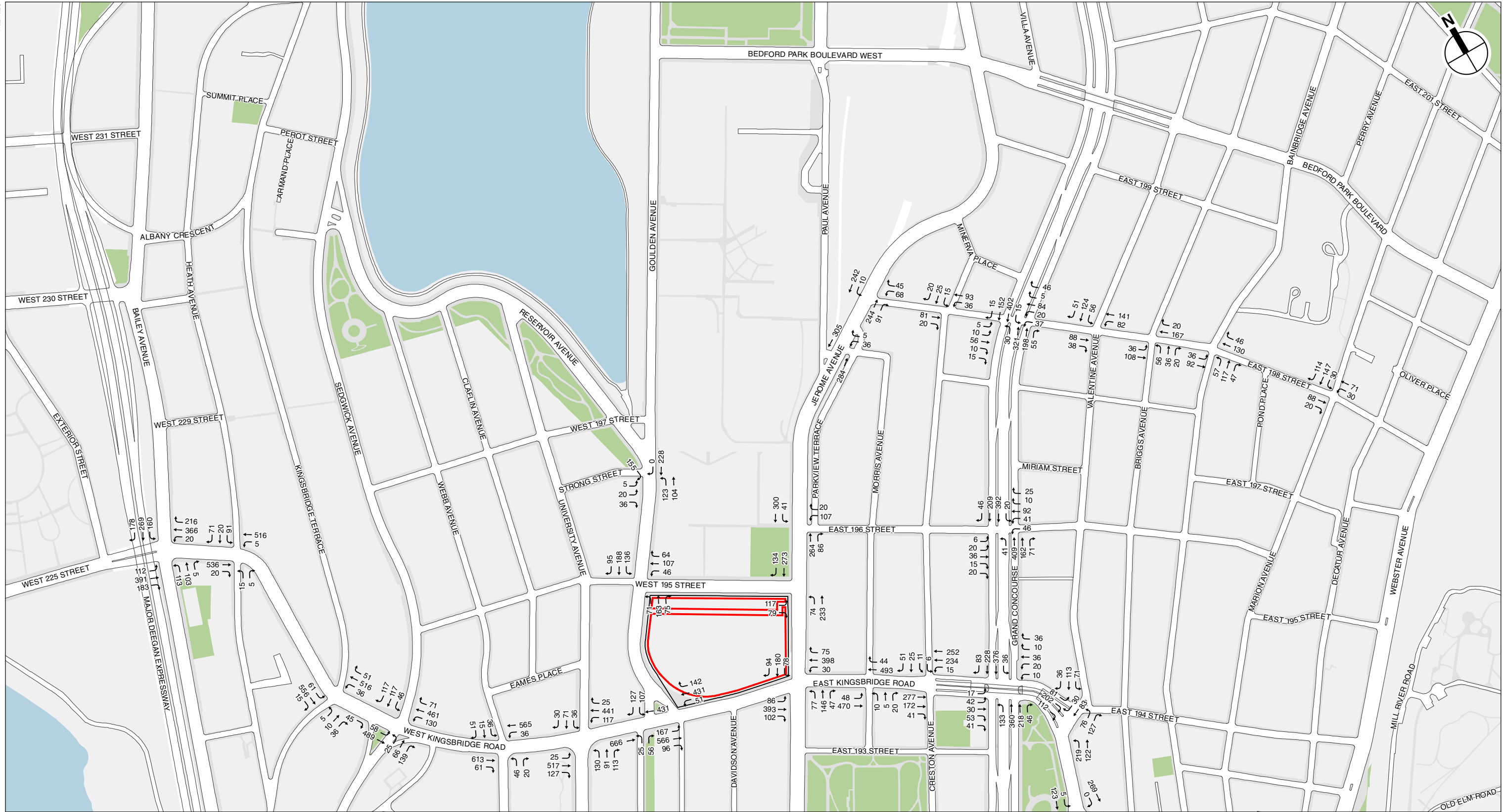
- Project Site
- Armory and National Guard Sites

NOTE: This figure has been updated for the FEIS.



NOTE: This figure has been updated for the FEIS.

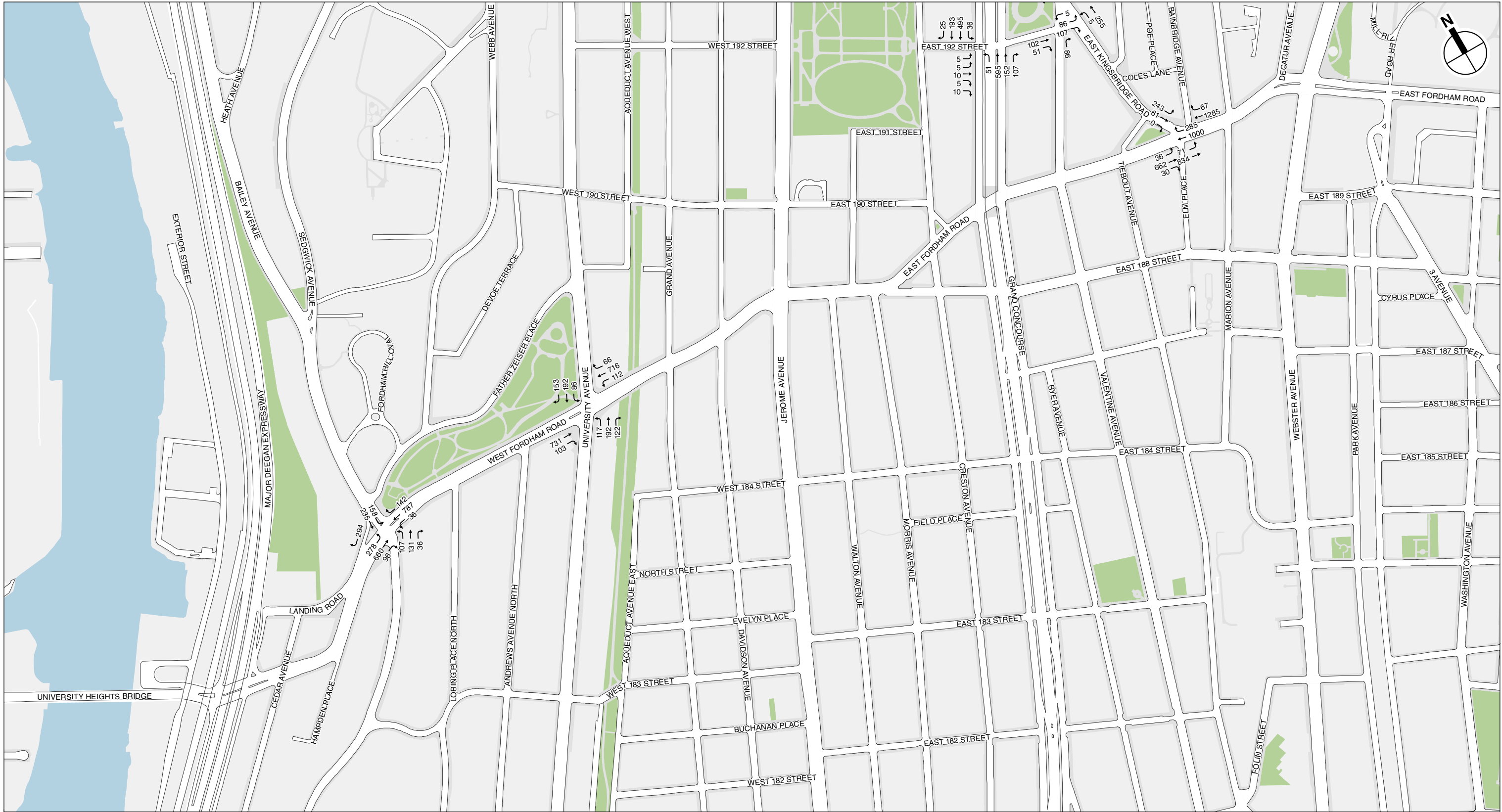




Project Site

Armory and National Guard Sites

NOTE: This figure has been updated for the FEIS.

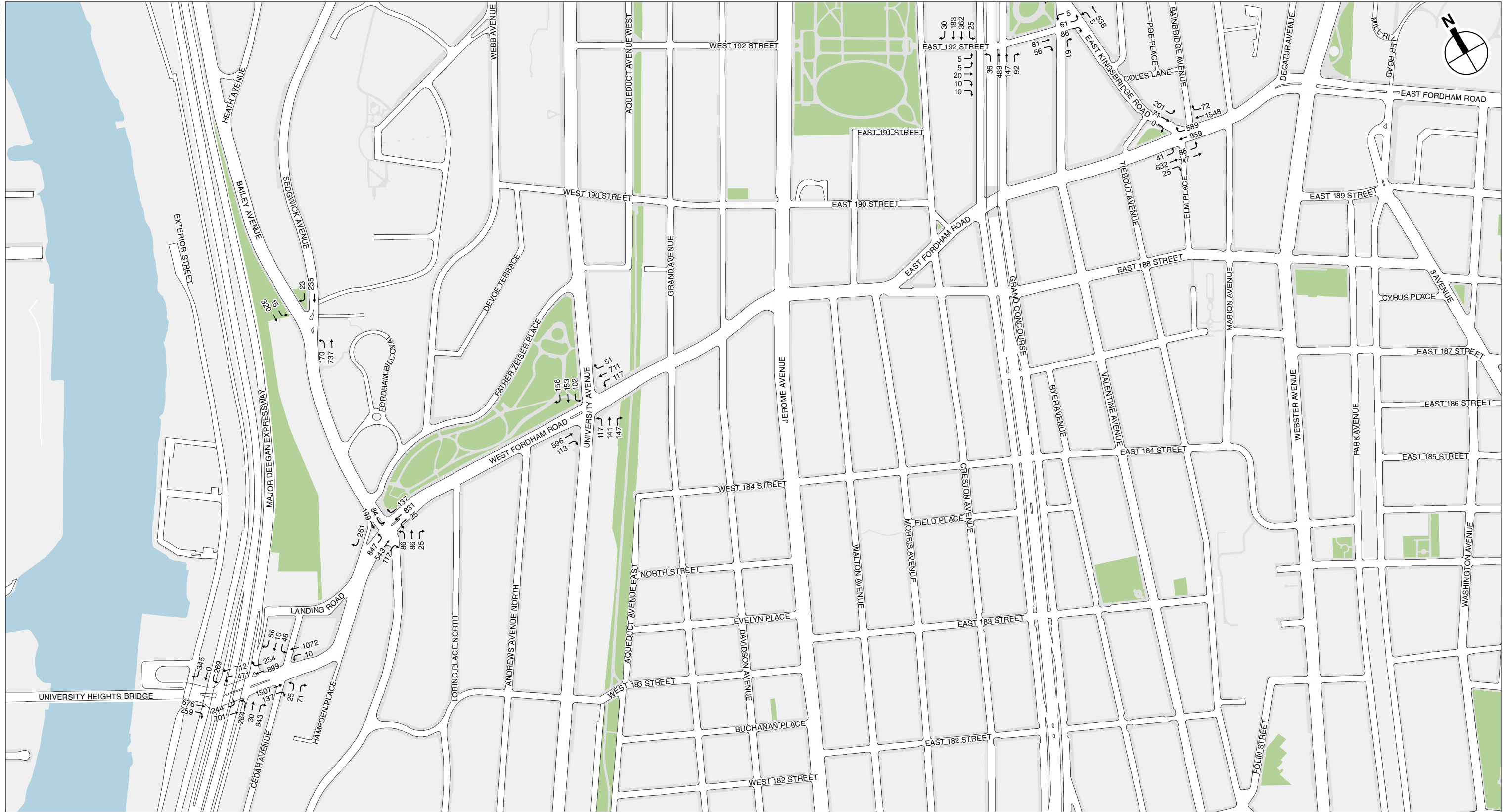


NOTE: This figure has been updated for the FEIS.

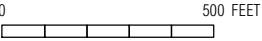


-  Project Site
-  Armory and National Guard Sites

NOTE: This figure has been updated for the FEIS.



NOTE: This figure has been updated for the FEIS.



## Traffic Tables

**Table D-1**  
**Existing Conditions Traffic Level of Service Analysis**

Intersection	Weekday AM				Weekday Midday				Weekday PM				Weekday Evening				Saturday Midday/Afternoon				Saturday Evening										
	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS							
Signalized Intersections																															
Major Deegan Expressway SB Ramp and West 230th Street																															
Eastbound	Not Analyzed				Not Analyzed				Not Analyzed				T	0.34	14.7	B	Not Analyzed				T	0.24	13.7	B							
Eastbound													R	0.22	14.3	B					R	0.33	15.8	B							
Westbound													LT	0.41	7.2	A					LT	0.45	7.7	A							
Southbound													LTR	0.64	33.7	C					LTR	0.91	41.7	D							
												Intersection		17.6	B													Intersection		21.0	C
Major Deegan Expressway SB Ramp and West Fordham Road																															
Eastbound	Not Analyzed				Not Analyzed				Not Analyzed				T	0.89	42.3	D	Not Analyzed				T	1.05	84.4	F							
Eastbound													R	0.40	24.7	C					R	0.60	34.1	C							
Westbound													L	0.94	43.5	D					L	0.75	28.2	C							
Westbound													T	0.41	6.2	A					T	0.34	4.3	A							
Southbound													LTR	1.05	94.5	F					LTR	1.05	69.8	E							
												Intersection		42.4	D													Intersection		46.6	D
Major Deegan Expressway NB Ramp and West 230th Street																															
Eastbound	Not Analyzed				Not Analyzed				Not Analyzed				Defl	1.05	85.4	F	Not Analyzed				Defl	0.95	67.1	E							
Eastbound													T	0.52	21.5	C					T	0.55	26.4	C							
Westbound													TR	0.20	0.6	A					TR	0.25	0.5	A							
Northbound													L	0.66	38.9	D					L	0.69	40.1	D							
Northbound													TR	0.70	41.4	D					TR	0.92	63.7	E							
												Intersection		34.3	C													Intersection		33.9	C
Major Deegan Expressway NB Ramp and West Fordham Road																															
Eastbound	Not Analyzed				Not Analyzed				Not Analyzed				L	0.71	19.5	B	Not Analyzed				L	0.74	13.9	B							
Eastbound													T	0.45	6.4	A					T	0.38	1.0	A							
Westbound													T	0.56	48.5	D					T	0.45	12.3	B							
Westbound													R	0.61	52.1	D					R	0.45	13.6	B							
Northbound													LTR	0.98	72.1	E					LTR	0.99	63.6	E							
												Intersection		39.2	D													Intersection		22.5	C
Bailey Avenue and West 230th Street																															
Eastbound	Not Analyzed				Not Analyzed				Not Analyzed				L	0.39	2.1	A	Not Analyzed				L	0.33	1.4	A							
Eastbound													TR	0.30	1.6	A					TR	0.45	1.7	A							
Northbound													Defl	1.05	111.4	F					Defl	1.05	116.4	F							
Northbound													TR	0.60	37.9	D					TR	0.70	45.6	D							
Southbound													LT	0.64	38.7	D					LT	0.68	40.4	D							
Southbound													R	0.55	27.4	C					R	0.72	33.9	C							
												Intersection		30.8	C													Intersection		32.3	C
Bailey Avenue and West 225th Street/West Kingsbridge Road																															
Eastbound	L	0.42	24.5	C	L	0.36	17.5	B	L	0.57	30.1	C	L	0.45	19.7	B	L	0.47	21.4	C	L	0.36	17.2	B							
Eastbound	TR	0.52	21.2	C	TR	0.35	14.9	B	TR	0.49	20.5	C	TR	0.48	16.6	B	TR	0.46	16.4	B	TR	0.36	15.0	B							
Westbound	L	0.15	5.8	A	L	0.09	2.7	A	L	0.10	15.6	B	L	0.08	2.5	A	L	0.09	3.6	A	L	0.06	3.0	A							
Westbound	TR	0.65	9.6	A	TR	0.46	3.6	A	TR	0.58	19.0	B	TR	0.42	3.2	A	TR	0.53	5.1	A	TR	0.38	3.8	A							
Northbound	Defl	1.05	128.7	F	Defl	0.77	59.1	E	Defl	1.05	129.7	F	Defl	0.77	59.8	E	Defl	1.05	133.2	F	Defl	---	---	---							
Northbound	TR	0.22	30.7	C	TR	0.27	26.4	C	TR	0.32	32.3	C	TR	0.35	27.7	C	TR	0.30	26.8	C	TR	---	---	---							
Northbound	LTR	---	---	---	LTR	---	---	---	LTR	---	---	---	LTR	---	---	---	LTR	---	---	---	LTR	0.48	30.0	C							
Southbound	LTR	0.98	68.8	E	LTR	0.84	43.0	D	LTR	0.91	57.2	E	LTR	0.87	48.3	D	LTR	1.03	74.6	E	LTR	0.95	56.8	E							
		Intersection		37.5	D	Intersection		23.1	C	Intersection		37.5	D	Intersection		24.9	C	Intersection		36.8	D	Intersection		26.7	C						
Sedgwick Avenue and West Kingsbridge Road																															
Eastbound	L	0.27	13.0	B	L	0.12	1.4	A	L	0.29	5.3	A	L	0.23	2.7	A	L	0.16	2.2	A	L	0.18	2.1	A							
Eastbound	TR	0.45	18.4	B	TR	0.37	5.0	A	TR	0.39	3.3	A	TR	0.38	4.8	A	TR	0.41	5.5	A	TR	0.37	5.3	A							
Westbound	L	0.59	19.1	B	L	0.34	18.1	B	L	0.48	18.7	B	L	0.35	15.3	B	L	0.39	15.8	B	L	0.27	12.5	B							
Westbound	TR	0.56	12.1	B	TR	0.46	14.7	B	TR	0.53	19.0	B	TR	0.48	12.7	B	TR	0.48	11.8	B	TR	0.41	11.0	B							
Northbound	LTR	0.48	35.6	D	LTR	0.32	25.7	C	LTR	0.34	32.9	C	LTR	0.36	26.3	C	LTR	0.35	26.0	C	LTR	0.31	25.5	C							
Southbound	LTR	1.05	105.4	F	LTR	0.81	47.8	D	LTR	0.85	58.9	E	LTR	0.77	43.8	D	LTR	0.86	52.1	D	LTR	0.68	38.2	D							
		Intersection		32.1	C	Intersection		18.8	B	Intersection		21.9	C	Intersection		16.8	B	Intersection		18.7	B	Intersection		14.9	B						

**Table D-1**  
**Existing Conditions Traffic Level of Service Analysis**

Intersection	Weekday AM				Weekday Midday				Weekday PM				Weekday Evening				Saturday Midday/Afternoon				Saturday Evening										
	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS							
Bailey Avenue and Sedgwick Avenue																															
Westbound	Not Analyzed				Not Analyzed				Not Analyzed				LR	0.57	22.0	C	Not Analyzed				LR	0.45	19.5	B							
Northbound													T	0.17	5.8	A					T	0.13	8.0	A							
Northbound													R	0.39	8.2	A					R	0.35	10.0	A							
Southbound													LT	0.31	8.9	A					LT	0.29	8.8	A							
												Intersection		11.2	B													Intersection		11.2	B
Sedgwick Avenue and West Fordham Road																															
Eastbound	L	1.05	89.9	F	L	0.98	69.9	E	L	0.78	32.8	C	L	0.84	43.3	D	L	0.96	66.0	E	L	1.00	91.3	F							
Eastbound	TR	0.99	53.5	D	TR	0.64	18.6	B	TR	0.73	20.3	C	TR	0.86	26.2	C	TR	0.72	23.1	C	TR	0.74	14.7	B							
Westbound	LT	0.64	29.6	C	LT	0.67	27.2	C	LT	0.66	29.4	C	LT	0.70	30.6	C	LT	0.81	36.7	D	LT	0.76	33.9	C							
Westbound	R	0.35	25.5	C	R	0.36	23.4	C	R	0.46	27.5	C	R	0.37	25.0	C	R	0.35	25.3	C	R	0.32	24.6	C							
Northbound	LTR	0.94	75.3	E	LTR	0.70	34.2	C	LTR	1.05	106.6	F	LTR	1.05	111.7	F	LTR	1.05	108.0	F	LTR	0.69	44.8	D							
Southbound	L	0.93	78.3	E	L	0.53	28.2	C	L	1.04	114.1	F	L	0.68	50.7	D	L	0.66	44.2	D	L	0.33	30.5	C							
Southbound	T	1.05	107.3	F	T	0.38	22.2	C	T	1.05	111.7	F	T	0.94	82.8	F	T	0.99	89.9	F	T	0.81	56.3	E							
Southbound	R	0.72	43.4	D	R	0.49	25.1	C	R	0.78	51.8	D	R	0.66	44.6	D	R	0.71	42.5	D	R	0.55	34.1	C							
			Intersection		56.9	E	Intersection		28.8	C	Intersection		48.3	D	Intersection		43.1	D	Intersection		47.0	D	Intersection		36.7	D					
Webb Avenue and West Kingsbridge Road																															
Eastbound	TR	1.05	74.5	E	TR	0.80	40.4	D	TR	0.73	21.7	C	TR	0.78	39.0	D	TR	0.73	37.6	D	TR	0.73	37.6	D							
Westbound	LT	1.05	42.1	D	LT	0.50	14.5	B	LT	0.63	24.0	C	LT	0.51	15.5	B	LT	0.47	13.2	B	LT	0.38	11.8	B							
Northbound	L	0.39	39.5	D	L	0.51	37.2	D	L	0.81	61.9	E	L	0.30	31.6	C	L	0.24	30.4	C	L	0.15	28.6	C							
Northbound	R	0.18	33.7	C	R	0.29	31.2	C	R	0.44	39.3	D	R	0.15	28.6	C	R	0.09	27.6	C	R	0.07	27.3	C							
Southbound	LTR	0.53	42.5	D	LTR	0.32	31.6	C	LTR	0.37	37.6	D	LTR	0.38	32.9	C	LTR	0.44	34.6	C	LTR	0.33	31.9	C							
			Intersection		56.1	E	Intersection		29.7	C	Intersection		29.9	C	Intersection		28.5	C	Intersection		26.4	C	Intersection		26.6	C					
University Avenue and West Kingsbridge Road																															
Eastbound	LTR	0.73	38.6	D	LTR	0.81	22.6	C	LTR	0.80	27.7	C	LTR	0.84	21.8	C	LTR	0.75	17.6	B	LTR	0.79	19.8	B							
Westbound	LTR	1.05	67.8	E	LTR	0.88	35.0	D	LTR	0.90	38.7	D	LTR	0.99	51.4	D	LTR	0.84	28.3	C	LTR	0.77	24.7	C							
Northbound	L	0.87	82.9	F	L	0.53	34.1	C	L	0.71	58.4	E	L	0.50	32.8	C	L	0.58	35.8	D	L	0.48	31.5	C							
Northbound	TR	0.72	52.3	D	TR	0.49	30.9	C	TR	0.70	50.9	D	TR	0.60	34.1	C	TR	0.63	35.4	D	TR	0.46	29.8	C							
Southbound	LTR	0.74	53.4	D	LTR	0.44	29.2	C	LTR	0.52	42.4	D	LTR	0.42	28.6	C	LTR	0.44	29.1	C	LTR	0.43	28.9	C							
			Intersection		56.5	E	Intersection		29.1	C	Intersection		37.5	D	Intersection		35.1	D	Intersection		26.1	C	Intersection		24.4	C					
University Avenue and West Fordham Road																															
Eastbound	T	0.75	34.6	C	T	0.69	30.0	C	T	0.70	34.8	C	T	0.74	36.4	D	T	0.68	35.6	D	T	0.59	33.1	C							
Eastbound	R	0.63	40.8	D	R	0.67	41.0	D	R	0.59	40.4	D	R	0.61	41.5	D	R	0.56	40.0	D	R	0.60	42.2	D							
Westbound	L	1.04	108.6	F	L	0.65	32.3	C	L	0.57	28.8	C	L	0.62	31.4	C	L	0.50	27.0	C	L	0.44	24.7	C							
Westbound	T	0.59	23.0	C	T	---	---	---	T	0.51	19.6	B	T	---	---	---	T	---	---	---	T	---	---	---							
Westbound	R	0.19	17.2	B	R	---	---	---	R	0.17	15.8	B	R	---	---	---	R	---	---	---	R	---	---	---							
Westbound	TR	---	---	---	TR	0.65	21.1	C	TR	---	---	---	TR	0.63	22.3	C	TR	0.68	25.0	C	TR	0.58	22.4	C							
Northbound	L	0.73	52.4	D	L	0.50	29.8	C	L	0.61	45.1	D	L	0.59	42.2	D	L	0.47	35.5	D	L	0.43	34.0	C							
Northbound	T	0.54	36.5	D	T	0.35	23.6	C	T	0.73	50.3	D	T	0.36	32.1	C	T	0.33	30.2	C	T	0.27	29.1	C							
Northbound	R	0.50	35.6	D	R	0.34	24.1	C	R	0.58	39.8	D	R	0.36	32.9	C	R	0.33	30.8	C	R	0.39	32.1	C							
Southbound	L	0.33	32.1	C	L	0.36	25.8	C	L	0.59	43.9	D	L	0.41	35.9	D	L	0.39	33.7	C	L	0.37	32.6	C							
Southbound	T	0.47	33.1	C	T	0.37	24.0	C	T	0.46	34.2	C	T	0.34	31.8	C	T	0.34	30.3	C	T	0.28	29.4	C							
Southbound	R	0.54	36.8	D	R	0.35	24.3	C	R	0.49	36.5	D	R	0.56	38.7	D	R	0.39	31.9	C	R	0.42	32.7	C							
			Intersection		37.8	D	Intersection		26.5	C	Intersection		32.8	C	Intersection		32.0	C	Intersection		30.7	C	Intersection		29.3	C					
Reservoir Avenue and West 197th Street																															
Eastbound	Not Analyzed				Not Analyzed				Not Analyzed				LTR	0.21	15.5	B	Not Analyzed				LTR	0.18	15.1	B							
Westbound													LTR	0.17	1.8	A					LTR	0.10	3.8	A							
Northbound													TR	0.15	38.0	D					TR	0.09	33.3	C							
Southbound													LT	0.28	21.7	C					LT	0.20	20.7	C							
												Intersection		22.0	C													Intersection		20.0	B

**Table D-1**  
**Existing Conditions Traffic Level of Service Analysis**

Intersection	Weekday AM				Weekday Midday				Weekday PM				Weekday Evening				Saturday Midday/Afternoon				Saturday Evening								
	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS					
Reservoir Avenue/Goulden Avenue and Strong Street																													
Eastbound	LR	0.45	33.0	C	LR	0.18	26.5	C	LR	0.27	28.1	C	LR	0.23	27.3	C	LR	0.21	27.0	C	LR	0.21	26.9	C					
Northbound	L	0.32	6.5	A	L	0.17	5.2	A	L	0.45	9.4	A	L	0.29	7.2	A	L	0.22	5.7	A	L	0.12	6.4	A					
Northbound	T	0.25	5.4	A	T	0.14	4.9	A	T	0.19	5.7	A	T	0.15	5.8	A	T	0.12	5.0	A	T	0.09	6.2	A					
Southbound	T	0.60	28.3	C	T	0.44	24.2	C	T	0.62	28.8	C	T	0.49	9.1	A	T	0.46	24.5	C	T	0.25	2.8	A					
Southeastbound	R	0.55	37.4	D	R	0.25	31.7	C	R	0.44	34.9	C	R	0.39	45.6	D	R	0.37	33.5	C	R	0.34	46.3	D					
Intersection		23.4		C	Intersection		18.9		B	Intersection		21.8		C	Intersection		17.9		B	Intersection		20.8		C	Intersection		20.0		B
Reservoir Avenue and West 195th Street																													
Westbound	LTR	0.74	39.5	D	LTR	0.47	36.0	D	LTR	0.80	42.5	D	LTR	0.57	38.1	D	LTR	0.48	36.9	D	LTR	0.33	23.9	C					
Northbound	LTR	0.36	12.6	B	LTR	0.21	11.7	B	LTR	0.30	11.8	B	LTR	0.21	12.0	B	LTR	0.24	10.6	B	LTR	0.21	12.1	B					
Southbound	LTR	0.67	19.5	B	LTR	0.36	12.2	B	LTR	0.58	15.5	B	LTR	0.45	15.5	B	LTR	0.42	15.4	B	LTR	0.32	18.8	B					
Intersection		21.7		C	Intersection		17.7		B	Intersection		21.4		C	Intersection		20.3		C	Intersection		18.9		B	Intersection		17.7		B
Reservoir Avenue/Aqueduct Avenue and West Kingsbridge Road																													
Eastbound	T	0.45	17.6	B	T	0.43	7.1	A	T	0.52	9.7	A	T	0.42	6.7	A	T	0.44	7.4	A	T	0.39	7.7	A					
Westbound	T	0.46	20.1	C	T	0.29	14.8	B	T	0.30	17.7	B	T	0.36	15.6	B	T	0.32	15.1	B	T	0.28	14.7	B					
Northbound	LTR	0.26	31.3	C	LTR	0.16	24.1	C	LTR	0.25	31.1	C	LTR	0.14	23.7	C	LTR	0.25	25.4	C	LTR	0.15	23.9	C					
Southbound	L	0.62	41.9	D	L	0.28	28.0	C	L	0.32	32.7	C	L	0.32	26.5	C	L	0.33	14.3	B	L	0.22	25.8	C					
Southbound	R	0.53	38.2	D	R	0.34	29.4	C	R	0.47	36.2	D	R	0.38	27.8	C	R	0.30	13.9	B	R	0.24	26.2	C					
Intersection		24.8		C	Intersection		14.4		B	Intersection		18.3		B	Intersection		14.4		B	Intersection		12.3		B	Intersection		13.8		B
Jerome Avenue and East 198th Street																													
Westbound	LR	0.22	45.3	D	LR	0.24	26.2	C	LR	0.24	23.5	C	LR	0.26	26.6	C	LR	0.32	27.6	C	LR	0.23	25.9	C					
Northbound	TR	0.54	11.7	B	TR	0.46	7.8	A	TR	0.61	9.5	A	TR	0.57	8.7	A	TR	0.48	6.5	A	TR	0.47	7.8	A					
Southbound	LT	0.50	21.6	C	LT	0.40	16.5	B	LT	0.49	21.3	C	LT	0.42	16.7	B	LT	0.39	16.1	B	LT	0.32	15.2	B					
Intersection		19.7		B	Intersection		13.7		B	Intersection		15.7		B	Intersection		13.9		B	Intersection		13.5		B	Intersection		12.8		B
Jerome Avenue and Morris Avenue																													
Westbound	LTR	0.09	29.2	C	LTR	0.11	24.1	C	LTR	0.13	29.9	C	LTR	0.20	25.2	C	LTR	0.11	24.1	C	LTR	0.16	24.7	C					
Northbound	LT	0.33	13.1	B	LT	0.31	12.8	B	LT	0.46	6.3	A	LT	0.42	15.5	B	LT	0.36	21.6	C	LT	0.28	20.0	B					
Southbound	TR	0.40	7.8	A	TR	0.40	8.6	A	TR	0.46	10.6	B	TR	0.44	8.5	A	TR	0.42	7.9	A	TR	0.34	7.5	A					
Intersection		11.5		B	Intersection		11.7		B	Intersection		10.3		B	Intersection		13.5		B	Intersection		15.0		B	Intersection		14.7		B
Jerome Avenue and East 196th Street																													
Westbound	LR	0.26	29.7	C	LR	0.27	26.2	C	LR	0.35	23.8	C	LR	0.36	27.7	C	LR	0.31	26.8	C	LR	0.23	25.6	C					
Northbound	TR	0.54	17.7	B	TR	0.49	9.1	A	TR	0.63	21.2	C	TR	0.63	13.2	B	TR	0.56	20.1	C	TR	0.43	11.3	B					
Southbound	LT	0.56	15.3	B	LT	0.56	19.2	B	LT	0.70	43.5	D	LT	0.65	24.1	C	LT	0.56	18.6	B	LT	0.51	20.6	C					
Intersection		18.4		B	Intersection		16.4		B	Intersection		30.9		C	Intersection		20.2		C	Intersection		20.7		C	Intersection		17.7		B
Jerome Avenue and East 195th Street																													
Eastbound	LR	0.66	51.6	D	LR	0.33	34.8	C	LR	0.62	49.1	D	LR	0.45	31.4	C	LR	0.48	32.5	C	LR	0.44	26.8	C					
Northbound	LT	0.75	27.8	C	LT	0.60	14.4	B	LT	0.74	36.7	D	LT	0.86	30.5	C	LT	0.75	24.0	C	LT	0.41	17.6	B					
Southbound	TR	0.78	25.0	C	TR	0.78	21.5	C	TR	0.87	34.6	C	TR	0.86	27.1	C	TR	0.69	37.0	D	TR	0.60	11.4	B					
Intersection		31.8		C	Intersection		20.7		C	Intersection		38.3		D	Intersection		29.0		C	Intersection		31.1		C	Intersection		16.6		B
Jerome Avenue and West Kingsbridge Road/East Kingsbridge Road																													
Eastbound	LTR	0.99	69.7	E	LTR	0.77	34.8	C	LTR	1.05	87.4	F	LTR	0.97	58.2	E	LTR	1.05	81.1	F	LTR	0.75	33.4	C					
Westbound	LTR	0.80	23.8	C	LTR	0.60	18.0	B	LTR	0.73	45.0	D	LTR	0.75	24.3	C	LTR	0.71	21.0	C	LTR	0.57	16.3	B					
Northbound	LTR	0.80	52.7	D	LTR	0.83	48.9	D	LTR	0.76	47.1	D	LTR	0.84	49.3	D	LTR	0.96	71.5	E	LTR	0.70	37.5	D					
Southbound	LT	0.76	37.3	D	LT	0.64	40.4	D	LT	1.05	102.1	F	LT	0.67	41.3	D	LT	0.69	32.8	C	LT	0.55	26.2	C					
Southbound	R	0.28	22.4	C	R	0.29	32.6	C	R	0.27	34.4	C	R	0.26	33.4	C	R	0.22	21.1	C	R	0.24	19.7	B					
Intersection		44.9		D	Intersection		33.3		C	Intersection		67.1		E	Intersection		43.1		D	Intersection		51.9		D	Intersection		27.2		C
Morris Avenue and East Kingsbridge Road																													
Eastbound	LT	0.54	5.8	A	LT	0.41	5.9	A	LT	0.53	8.0	A	LT	0.47	5.3	A	LT	0.45	6.8	A	LT	0.41	7.8	A					
Westbound	TR	0.47	6.4	A	TR	0.33	3.3	A	TR	0.44	5.6	A	TR	0.46	3.9	A	TR	0.37	3.6	A	TR	0.32	4.3	A					
Northbound	LTR	0.14	26.6	C	LTR	0.20	21.7	C	LTR	0.19	27.5	C	LTR	0.11	20.6	C	LTR	0.11	20.6	C	LTR	0.12	20.8	C					
Intersection		7.1		A	Intersection		6.1		A	Intersection		8.2		A	Intersection		5.2		A	Intersection		5.9		A	Intersection		6.9		A

**Table D-1**  
**Existing Conditions Traffic Level of Service Analysis**

Intersection	Weekday AM				Weekday Midday				Weekday PM				Weekday Evening				Saturday Midday/Afternoon				Saturday Evening								
	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS					
Creston Avenue and East Kingsbridge Road																													
Eastbound	TR	0.46	16.4	B	TR	0.39	6.5	A	TR	0.44	5.6	A	TR	0.41	7.3	A	TR	0.39	7.5	A	TR	0.33	5.2	A					
Westbound	LT	0.43	16.3	B	LT	0.33	15.8	B	LT	0.40	18.1	B	LT	0.43	17.0	B	LT	0.36	16.1	B	LT	0.28	15.3	B					
Southbound	LTR	0.31	32.9	C	LTR	0.28	25.0	C	LTR	0.31	32.9	C	LTR	0.28	25.0	C	LTR	0.28	25.1	C	LTR	0.34	26.0	C					
Intersection		17.9		B	Intersection		12.3		B	Intersection		13.7		B	Intersection		13.3		B	Intersection		12.9		B	Intersection		12.1		B
Grand Concourse and East 198th Street																													
Eastbound	TR	0.28	45.1	D	TR	0.20	29.8	C	TR	0.21	15.2	B	TR	0.17	30.6	C	TR	0.19	29.6	C	TR	0.18	29.4	C					
Westbound	TR	0.53	33.6	C	TR	0.46	44.6	D	TR	0.46	37.3	D	TR	0.42	35.0	C	TR	0.49	41.5	D	TR	0.50	42.9	D					
Northbound	L	0.22	31.4	C	L	0.21	67.9	E	L	0.26	87.0	F	L	0.31	90.9	F	L	0.31	71.3	E	L	0.31	72.2	E					
Northbound	T	0.23	38.1	D	T	0.26	11.6	B	T	0.55	3.2	A	T	0.45	2.8	A	T	0.29	11.4	B	T	0.28	11.1	B					
Northbound	TR	0.40	38.1	D	TR	0.43	19.7	B	TR	0.57	19.7	B	TR	0.48	13.8	B	TR	0.45	21.2	C	TR	0.40	20.0	B					
Southbound	L	0.42	63.1	E	L	0.21	55.3	E	L	0.16	53.9	D	L	0.08	52.2	D	L	0.16	53.9	D	L	0.16	53.9	D					
Southbound	T	0.79	32.5	C	T	0.38	23.3	C	T	0.42	22.8	C	T	0.29	20.8	C	T	0.34	22.7	C	T	0.23	21.3	C					
Southbound	TR	0.44	24.3	C	TR	0.32	23.3	C	TR	0.30	21.6	C	TR	0.28	21.3	C	TR	0.30	22.9	C	TR	0.29	22.7	C					
Intersection		29.7		C	Intersection		17.1		B	Intersection		12.6		B	Intersection		11.5		B	Intersection		17.1		B	Intersection		15.7		B
Grand Concourse and East 196th Street																													
Eastbound	TR	0.53	55.4	E	TR	0.37	38.3	D	TR	0.44	17.2	B	TR	0.42	40.3	D	TR	0.34	37.4	D	TR	0.40	38.8	D					
Westbound	TR	0.53	43.6	D	TR	0.51	42.2	D	TR	0.77	55.7	E	TR	0.65	48.1	D	TR	0.68	49.0	D	TR	0.54	42.8	D					
Northbound	L	0.41	61.2	E	L	0.54	73.2	E	L	0.79	116.7	F	L	0.62	102.9	F	L	0.39	66.5	E	L	0.57	75.7	E					
Northbound	T	0.31	17.7	B	T	0.32	15.0	B	T	0.63	6.2	A	T	0.53	8.4	A	T	0.34	17.2	B	T	0.33	14.5	B					
Northbound	TR	0.34	20.1	C	TR	0.40	16.5	B	TR	0.47	14.2	B	TR	0.50	17.8	B	TR	0.43	21.8	C	TR	0.40	20.2	C					
Southbound	L	0.33	85.4	F	L	0.16	36.4	D	L	0.17	43.4	D	L	0.11	42.5	D	L	0.21	37.8	D	L	0.18	40.9	D					
Southbound	T	0.84	14.5	B	T	0.39	26.7	C	T	0.38	54.5	D	T	0.27	53.4	D	T	0.32	25.8	C	T	0.23	22.8	C					
Southbound	TR	0.83	33.7	C	TR	0.52	28.3	C	TR	0.58	46.5	D	TR	0.45	49.1	D	TR	0.50	29.9	C	TR	0.41	28.5	C					
Intersection		16.5		B	Intersection		20.9		C	Intersection		26.0		C	Intersection		24.0		C	Intersection		19.5		B	Intersection		18.7		B
Grand Concourse and East Kingsbridge Road																													
Eastbound	TR	0.67	63.2	E	TR	0.66	46.9	D	TR	0.73	65.6	E	TR	0.63	45.0	D	TR	0.52	40.9	D	TR	0.43	38.5	D					
Westbound	TR	0.31	73.2	E	TR	0.39	38.2	D	TR	0.37	22.1	C	TR	0.44	39.3	D	TR	0.34	36.6	D	TR	0.39	37.4	D					
Northbound	L	0.72	67.3	E	L	0.80	109.6	F	L	1.04	140.1	F	L	1.01	147.7	F	L	0.86	116.2	F	L	0.66	97.0	F					
Northbound	T	0.31	50.3	D	T	0.32	9.6	A	T	0.72	8.9	A	T	0.56	6.6	A	T	0.36	9.0	A	T	0.32	9.2	A					
Northbound	TR	0.34	35.7	D	TR	0.38	16.1	B	TR	0.53	20.9	C	TR	0.53	20.8	C	TR	0.48	15.5	B	TR	0.42	14.6	B					
Southbound	L	0.36	82.5	F	L	0.36	74.8	E	L	0.32	58.2	E	L	0.18	57.5	E	L	0.23	70.1	E	L	0.14	68.2	E					
Southbound	T	0.92	17.3	B	T	0.40	7.6	A	T	0.45	41.2	D	T	0.30	31.1	C	T	0.32	7.7	A	T	0.25	9.8	A					
Southbound	TR	0.93	35.5	D	TR	0.63	19.3	B	TR	0.73	49.5	D	TR	0.58	40.7	D	TR	0.64	18.3	B	TR	0.56	17.9	B					
Intersection		26.6		C	Intersection		20.8		C	Intersection		33.1		C	Intersection		28.2		C	Intersection		21.7		C	Intersection		18.4		B
Grand Concourse and East 192nd Street																													
Eastbound	TR	0.14	28.6	C	TR	0.12	26.4	C	TR	0.13	28.5	C	TR	0.15	28.8	C	TR	0.10	26.1	C	TR	0.13	26.5	C					
Northbound	L	0.39	68.4	E	L	0.50	74.1	E	L	0.57	79.6	E	L	0.56	78.6	E	L	0.63	85.2	F	L	0.50	74.1	E					
Northbound	T	0.38	21.6	C	T	0.42	23.9	C	T	0.84	34.6	C	T	0.70	28.3	C	T	0.49	25.2	C	T	0.39	23.5	C					
Northbound	TR	0.28	21.0	C	TR	0.35	23.9	C	TR	0.36	22.2	C	TR	0.37	22.4	C	TR	0.59	30.1	C	TR	0.50	27.1	C					
Southbound	L	0.52	93.0	F	L	0.33	61.9	E	L	0.55	75.7	E	L	0.30	57.9	E	L	0.52	73.2	E	L	0.38	64.7	E					
Southbound	T	0.99	29.3	C	T	0.46	37.7	D	T	0.54	24.0	C	T	0.33	17.8	B	T	0.38	32.3	C	T	0.29	25.2	C					
Southbound	TR	0.54	6.9	A	TR	0.37	29.4	C	TR	0.37	32.2	C	TR	0.38	28.3	C	TR	0.38	29.4	C	TR	0.36	25.7	C					
Intersection		28.5		C	Intersection		32.2		C	Intersection		31.8		C	Intersection		26.4		C	Intersection		31.6		C	Intersection		26.5		C
Valentine Avenue and East 198th Street																													
Eastbound	TR	0.29	7.6	A	TR	0.23	15.2	B	TR	0.24	20.4	C	TR	0.23	22.6	C	TR	0.21	14.6	B	TR	0.19	14.8	B					
Westbound	LT	0.59	19.6	B	LT	0.46	15.9	B	LT	0.54	17.7	B	LT	0.46	16.4	B	LT	0.54	18.2	B	LT	0.57	18.6	B					
Southbound	LTR	0.49	16.5	B	LTR	0.36	14.1	B	LTR	0.50	16.5	B	LTR	0.50	16.6	B	LTR	0.58	18.6	B	LTR	0.52	16.9	B					
Intersection		15.8		B	Intersection		15.1		B	Intersection		17.7		B	Intersection		17.6		B	Intersection		17.8		B	Intersection		17.3		B
Valentine Avenue/East Kingsbridge Road and East 192nd Street (West)																													
Eastbound	TR	0.45	40.2	D	TR	0.44	35.5	D	TR	0.44	39.1	D	TR	0.39	33.4	C	TR	0.70	46.4	D	TR	0.60	40.4	D					
Westbound	L	0.04	80.0	F	L	0.03	58.3	E	L	0.05	63.2	E	L	0.08	55.2	E	L	0.04	54.0	D	L	0.03	56.3	E					
Northbound	R	0.07	5.9	A	R	0.09	5.6	A	R	0.09	6.0	A	R	0.07	5.4	A	R	0.13	5.8	A	R	0.08	5.5	A					
Southbound	LT	0.12	2.4	A	LT	0.12	0.8	A	LT	0.15	0.9	A	LT	0.09	0.2	A	LT	0.12	6.5	A	LT	0.09	0.7	A					
Intersection		18.7		B	Intersection		15.3		B	Intersection		14.2		B	Intersection		17.0		B	Intersection		24.0		C	Intersection		21.4		C

**Table D-1**  
**Existing Conditions Traffic Level of Service Analysis**

Intersection	Weekday AM				Weekday Midday				Weekday PM				Weekday Evening				Saturday Midday/Afternoon				Saturday Evening								
	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS					
Valentine Avenue/East Kingsbridge Road and East 192nd Street (East)																													
Eastbound	LR	0.22	14.7	B	LR	0.24	13.4	B	LR	0.22	17.5	B	LR	0.22	10.3	B	LR	0.30	12.3	B	LR	0.24	10.6	B					
Northbound	LT	0.36	30.6	C	LT	0.19	31.6	C	LT	0.21	21.6	C	LT	0.25	19.3	B	LT	0.24	19.1	B	LT	0.23	19.0	B					
Southbound	TR	0.29	9.1	A	TR	0.24	9.5	A	TR	0.28	12.0	B	TR	0.25	8.9	A	TR	0.24	34.2	C	TR	0.19	11.9	B					
Intersection		19.0		B	Intersection		16.6		B	Intersection		16.1		B	Intersection		12.6		B	Intersection		23.1		C	Intersection		14.0		B
Elm Place/Bainbridge Avenue/East Kingsbridge Road and East Fordham Road																													
Eastbound	LTR	---	---	---	LTR	---	---	---	LTR	---	---	---	LTR	0.81	22.7	C	LTR	0.82	23.8	C	LTR	0.74	19.4	B					
Eastbound	LT	0.79	21.8	C	LT	0.78	24.1	C	LT	0.70	17.8	B	LT	---	---	---	LT	---	---	---	LT	---	---	---					
Eastbound	R	0.02	7.9	A	R	0.07	11.2	B	R	0.07	8.5	A	R	---	---	---	R	---	---	---	R	---	---	---					
Westbound	T	1.05	72.0	E	T	0.92	40.9	D	T	1.05	71.5	E	T	1.05	70.8	E	T	0.94	39.4	D	T	1.05	69.2	E					
Westbound	R	1.05	86.4	F	R	0.20	20.5	C	R	1.05	96.7	F	R	1.05	94.1	F	R	0.21	16.0	B	R	1.05	91.5	F					
Southbound	L	1.04	118.3	F	L	0.91	95.9	F	L	0.68	72.2	E	L	1.05	144.1	F	L	1.04	137.8	F	L	1.05	144.7	F					
Southbound	LT	0.76	49.9	D	LT	0.42	44.3	D	LT	0.69	72.6	E	LT	0.63	54.3	D	LT	0.63	54.6	D	LT	0.47	47.8	D					
Intersection		58.7		E	Intersection		38.5		D	Intersection		56.2		E	Intersection		60.2		E	Intersection		40.0		D	Intersection		58.9		E
East Kingsbridge Road/East 194th Street and Valentine Avenue																													
Eastbound	T	0.21	36.4	D	T	0.18	29.4	C	T	0.28	37.5	D	T	0.31	31.5	C	T	0.27	30.7	C	T	0.30	31.2	C					
Eastbound	R	0.72	52.3	D	R	0.62	40.5	D	R	0.68	50.2	D	R	0.75	47.5	D	R	0.70	44.6	D	R	0.55	37.7	D					
Eastbound	R	0.31	39.4	D	R	0.46	35.3	D	R	0.39	39.4	D	R	0.35	32.7	C	R	0.40	33.2	C	R	0.25	30.6	C					
Northbound	L	1.05	78.7	E	L	1.05	94.9	F	L	1.05	89.0	F	L	1.05	85.9	F	L	1.05	85.1	F	L	1.05	90.4	F					
Northbound	R	---	---	---	R	0.19	2.7	A	R	0.16	6.6	A	R	0.11	5.7	A	R	---	---	---	R	0.20	6.4	A					
Northbound	LTR	0.68	18.3	B	LTR	---	---	---	LTR	---	---	---	LTR	---	---	---	LTR	0.35	8.3	A	LTR	---	---	---					
Southbound	L	0.20	31.7	C	L	0.16	21.2	C	L	0.17	31.1	C	L	0.12	20.6	C	L	0.18	21.4	C	L	0.17	21.3	C					
Southbound	TR	0.65	53.1	D	TR	0.67	46.5	D	TR	0.70	55.6	E	TR	0.59	42.8	D	TR	0.65	45.0	D	TR	0.62	43.5	D					
Intersection		52.1		D	Intersection		54.3		D	Intersection		56.7		E	Intersection		54.6		D	Intersection		51.1		D	Intersection		51.6		D
Heath Avenue and West Kingsbridge Road																													
Eastbound	TR	0.51	12.0	B	TR	0.36	9.3	A	TR	0.50	13.8	B	TR	0.49	9.2	A	TR	0.44	8.3	A	TR	0.40	9.2	A					
Westbound	LT	0.54	2.0	A	LT	0.42	17.0	B	LT	0.47	37.2	D	LT	0.38	16.1	B	LT	0.41	16.7	B	LT	0.35	15.8	B					
Northbound	LTR	0.16	30.8	C	LTR	0.11	24.4	C	LTR	0.13	30.1	C	LTR	0.11	24.3	C	LTR	0.09	24.0	C	LTR	0.09	24.0	C					
Southbound	LTR	0.65	44.3	D	LTR	0.49	31.5	C	LTR	0.45	36.7	D	LTR	0.46	30.4	C	LTR	0.62	36.0	D	LTR	0.51	32.0	C					
Intersection		12.9		B	Intersection		16.2		B	Intersection		26.6		C	Intersection		14.8		B	Intersection		16.4		B	Intersection		15.5		B
Kingsbridge Terrace and West Kingsbridge Road																													
Eastbound	LTR	0.87	42.4	D	LTR	0.56	23.1	C	LTR	0.65	12.4	B	LTR	0.57	21.4	C	LTR	0.62	24.1	C	LTR	0.60	24.1	C					
Westbound	LTR	0.63	13.4	B	LTR	0.47	8.2	A	LTR	0.59	8.9	A	LTR	0.53	9.6	A	LTR	0.53	9.9	A	LTR	0.42	9.3	A					
Northbound	LTR	0.18	30.9	C	LTR	0.10	24.0	C	LTR	0.19	30.9	C	LTR	0.15	24.8	C	LTR	0.13	24.5	C	LTR	0.15	24.8	C					
Intersection		28.2		C	Intersection		16.1		B	Intersection		11.5		B	Intersection		15.8		B	Intersection		17.3		B	Intersection		17.8		B
Goulden Avenue and Bedford Park Boulevard																													
Eastbound	Not Analyzed				Not Analyzed				Not Analyzed				LTR	0.17	21.4	C	Not Analyzed				LTR	0.02	16.4	B					
Westbound													LTR	0.66	34.6	C					LTR	0.33	20.6	C					
Northbound													TR	0.59	31.3	C					TR	0.39	21.8	C					
Southbound													LT	0.37	25.5	C					LT	0.20	17.8	B					
Intersection													30.2		C	Intersection										20.4		C	
Goulden Avenue and West 197th Street																													
Eastbound	Not Analyzed				Not Analyzed				Not Analyzed				LR	0.44	25.7	C	Not Analyzed				LR	0.31	28.6	C					
Northbound													LT	0.15	5.5	A					LT	0.10	6.5	A					
Southbound													TR	0.69	32.1	C					TR	0.33	27.2	C					
Intersection													24.4		C	Intersection										22.2		C	
Marion Avenue and Bedford Park Boulevard																													
Eastbound	Not Analyzed				Not Analyzed				Not Analyzed				TR	0.41	24.6	C	Not Analyzed				TR	0.39	20.2	C					
Westbound													LT	0.53	27.3	C					LT	0.41	20.9	C					
Southbound													LTR	0.53	29.5	C					LTR	0.51	23.3	C					
Intersection													26.7		C	Intersection										21.2		C	

## Existing Conditions Traffic Level of Service Analysis

Intersection	Weekday AM				Weekday Midday				Weekday PM				Weekday Evening				Saturday Midday/Afternoon				Saturday Evening				
	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	
Cedar Avenue and West Fordham Road																									
Eastbound	Not Analyzed				Not Analyzed				Not Analyzed				TR	0.69	15.8	B	Not Analyzed				TR	0.58	13.0	B	
Westbound													LT	0.74	19.4	B					LT	0.61	21.4	C	
Northbound													LTR	0.41	38.5	D					LTR	0.48	45.8	D	
Southbound													LTR	0.56	42.1	D					LTR	0.46	44.0	D	
											Intersection		20.2	C											
Unsignalized Intersections																									
Reservoir Avenue/Grand Avenue and West Kingsbridge Road																									
Eastbound	LTR	0.36	10.4	B	LTR	0.15	4.4	A	LTR	0.26	6.9	A	LTR	0.14	4.1	A	LTR	0.16	4.7	A	LTR	0.12	4.0	A	
Westbound	LTR	0.03	1.0	A	LTR	0.05	2.2	A	LTR	0.08	2.9	A	LTR	0.06	2.4	A	LTR	0.09	3.3	A	LTR	0.05	2.3	A	
Marion Avenue and East 198th Street																									
Eastbound	TR	---	9.0	A	TR	---	8.4	A	TR	---	8.8	A	TR	---	8.1	A	TR	---	8.2	A	TR	---	8.2	A	
Westbound	LT	---	8.9	A	LT	---	8.7	A	LT	---	9.8	A	LT	---	8.9	A	LT	---	8.8	A	LT	---	8.8	A	
Southbound	LTR	---	11.0	B	LTR	---	9.6	A	LTR	---	12.9	B	LTR	---	9.7	A	LTR	---	9.8	A	LTR	---	10.0	A	
Briggs Avenue and East 198th Street																									
Eastbound	LT	---	8.7	A	LT	---	8.0	A	LT	---	8.1	A	LT	---	8.2	A	LT	---	8.4	A	LT	---	8.2	A	
Westbound	TR	---	9.1	A	TR	---	8.6	A	TR	---	8.6	A	TR	---	8.2	A	TR	---	8.5	A	TR	---	8.8	A	
Northbound	LTR	---	9.0	A	LTR	---	8.1	A	LTR	---	8.4	A	LTR	---	8.4	A	LTR	---	8.6	A	LTR	---	8.6	A	
Bainbridge Avenue and East 198th Street																									
Eastbound	LT	---	9.6	A	LT	---	8.6	A	LT	---	8.3	A	LT	---	8.3	A	LT	---	8.6	A	LT	---	8.5	A	
Westbound	TR	---	9.4	A	TR	---	8.7	A	TR	---	8.7	A	TR	---	8.4	A	TR	---	8.6	A	TR	---	8.8	A	
Northbound	LTR	---	10.8	B	LTR	---	9.7	A	LTR	---	8.8	A	LTR	---	8.9	A	LTR	---	9.5	A	LTR	---	9.7	A	
Creston Avenue and East 198th Street																									
Westbound	LT	0.01	1.8	A	LT	0.02	2.1	A	LT	0.02	2.2	A	LT	0.03	2.9	A	LT	0.03	2.9	A	LT	0.04	3.1	A	
Southbound	LTR	0.08	11.0	B	LTR	0.08	10.8	B	LTR	0.11	11.9	B	LTR	0.13	11.5	B	LTR	0.12	11.3	B	LTR	0.06	11.1	B	
Notes: L = Left Turn, T = Through, R = Right Turn, LOS = Level of Service, DefL = Defacto Left Turn																									

**Table D-2**

**Existing and 2032 No Action Conditions Traffic Level of Service Analysis**

Intersection	Weekday AM					Weekday Middy					Weekday PM					Weekday Evening					Saturday Middy/Afternoon					Saturday Evening																																																										
	Existing				LOS	2032 No Action				LOS	Existing				LOS	2032 No Action				LOS	Existing				LOS	2032 No Action				LOS	Existing				LOS	2032 No Action				LOS																																												
	Lane Group	v/c Ratio	Delay (sec)			Lane Group	v/c Ratio	Delay (sec)			Lane Group	v/c Ratio	Delay (sec)			Lane Group	v/c Ratio	Delay (sec)			Lane Group	v/c Ratio	Delay (sec)			Lane Group	v/c Ratio	Delay (sec)			Lane Group	v/c Ratio	Delay (sec)			Lane Group	v/c Ratio	Delay (sec)																																														
Signalized Intersections																																																																																				
Major Deegan Expressway SB Ramp and West 230th Street																																																																																				
Eastbound	Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				T	0.34	14.7	B	T	0.34	14.7	B	Not Analyzed				Not Analyzed				T	0.24	13.7	B	T	0.24	13.7	B																				
Eastbound																																									R	0.22	14.3	B	R	0.23	14.4	B									R	0.33	15.8	B	R	0.34	15.9	B																				
Westbound																																									LT	0.41	7.2	A	LT	0.41	7.3	A									LT	0.45	7.7	A	LT	0.46	7.8	A																				
Southbound																																									LTR	0.64	33.7	C	LTR	0.66	34.0	C									LTR	0.91	41.7	D	LTR	0.93	43.1	D																				
																Intersection		17.6		B		Intersection		17.8		B												Intersection		21.0		C		Intersection		21.5		C																																				
Major Deegan Expressway SB Ramp and West Fordham Road																																																																																				
Eastbound	Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				T	0.89	42.3	D	T	0.95	52.3	D	Not Analyzed				Not Analyzed				T	1.05	84.4	F	T	1.07	90.9	F																				
Eastbound																																									R	0.40	24.7	C	R	0.40	24.9	C									R	0.60	34.1	C	R	0.61	34.4	C																				
Westbound																																									L	0.94	43.5	D	L	0.98	51.1	D									L	0.75	28.2	C	L	0.78	29.7	C																				
Westbound																																									T	0.41	6.2	A	T	0.42	6.1	A									T	0.34	4.3	A	T	0.34	4.3	A																				
Southbound	Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				LTR	1.05	94.5	F	LTR	1.09	99.9	F	Not Analyzed				Not Analyzed				LTR	1.07	72.5	E																								
																																									Intersection		42.4		D		Intersection										47.6		D		Intersection		46.6		D		Intersection		49.1		D													
Major Deegan Expressway NB Ramp and West 230th Street																																																																																				
Eastbound	Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				DefL	1.05	85.4	F	DefL	1.07	93.6	F	Not Analyzed				Not Analyzed				DefL	0.95	67.1	E	DefL	0.97	72.8	E																
Eastbound																																													T	0.52	21.5	C	T	0.53	21.7	C									T	0.55	26.4	C	T	0.57	26.8	C																
Westbound																																													TR	0.20	0.6	A	TR	0.21	0.6	A									TR	0.25	0.5	A	TR	0.25	0.5	A																
Northbound																																													L	0.66	38.9	D	L	0.67	39.2	D									L	0.69	40.1	D	L	0.71	40.7	D																
Northbound	Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				TR	0.70	41.4	D	TR	0.71	42.0	D	Not Analyzed				Not Analyzed				TR	0.92	63.7	E	TR	0.94	66.2	E																
																																													Intersection		34.3		C		Intersection										36.0		D		Intersection		33.9		C		Intersection		35.3		D									
Major Deegan Expressway NB Ramp and West Fordham Road																																																																																				
Eastbound	Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				L	0.71	19.5	B	L	0.73	19.6	B	Not Analyzed				Not Analyzed				L	0.77	15.4	B																				
Eastbound																																													T	0.45	6.4	A	T	0.46	6.3	A									T	0.38	1.0	A	T	0.39	1.0	A																
Westbound																																													T	0.56	48.5	D	T	0.57	48.8	D									T	0.45	12.3	B	T	0.46	12.2	B																
Westbound																																													R	0.61	52.1	D	R	0.62	52.5	D									R	0.45	13.6	B	R	0.45	13.4	B																
Northbound	Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				LTR	0.98	72.1	E	LTR	1.00	78.0	E	Not Analyzed				Not Analyzed				LTR	1.02	68.4	E																				
																																													Intersection		39.2		D		Intersection										40.7		D		Intersection		22.5		C		Intersection		23.9		C									
Bailey Avenue and West 230th Street																																																																																				
Eastbound	Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				L	0.39	2.1	A	L	0.40	2.1	A	Not Analyzed				Not Analyzed				L	0.33	1.4	A	L	0.34	1.4	A																
Eastbound																																													TR	0.30	1.6	A	TR	0.32	1.6	A									TR	0.45	1.7	A	TR	0.47	1.8	A																
Northbound																																													DefL	1.05	111.4	F	DefL	1.05	111.8	F									DefL	1.05	116.4	F	DefL	1.05	111.8	F																
Northbound																																													TR	0.60	37.9	D	TR	0.60	37.9	D									TR	0.70	45.6	D	TR	0.71	43.2	D																
Southbound	Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				LT	0.64	38.7	D	LT	---	---	---	Not Analyzed				Not Analyzed				LT	0.68	40.4	D	LT	---	---	---																
Southbound																																													T	---	---	---	T	0.64	38.6	D									T	---	---	---	T	0.66	39.4	D																
Southbound																																													R	0.55	27.4	C	R	0.51	26.1	C									R	0.72	33.9	C	R	0.67	31.2	C																
																																													Intersection		30.8		C		Intersection										30.7		C		Intersection		32.3		C		Intersection		30.8		C									
Bailey Avenue and West 225th Street/West Kingsbridge Road																																																																																				
Eastbound	L	0.42	24.5	C	L	1.26	233.1	F	L	0.36	17.5	B	L	0.64	50.7	D	L	0.57	30.1	C	L	1.10	150.3	F	L	0.45	19.7	B	L	0.84	72.5	E	L	0.47	21.4	C	L	0.92	96.2	F	L	0.36	17.2	B	L	0.64	48.6	D																																				
Eastbound	TR	0.52	21.2	C	TR	0.97	69.1	E	TR	0.35	14.9	B	TR	0.53	34.0	C	TR	0.49	20.5	C	TR	0.75	39.8	D	TR	0.48	16.6	B	TR	0.75	41.2	D	TR	0.46	16.4	B	TR	0.72	39.7	D	TR	0.36	15.0	B	TR	0.55	34.4	C																																				
Westbound	L	0.15	5.8	A	L	0.41	31.2	C	L	0.09	2.7	A	L	0.16	29.5	C	L	0.10	15.6	B	L	0.19	20.0	B	L	0.08	2.5	A	L	0.15	30.1	C	L	0.09	3.6	A	L	0.18	30.6	C	L	0.06	3.0	A	L	0.11	28.2	C																																				
Westbound	TR	0.65	9.6	A	TR	1.16	111.0	F	TR	0.46	3.6	A	TR	0.69	38.8	D	TR	0.58	19.0	B	TR	0.87	30.7	C	TR	0.42	3.2	A	TR	0.63	37.0	D	TR	0.53	5.1	A	TR	0.80	43.8	D	TR	0.38	3.8	A	TR	0.59	35.6	D																																				
Northbound	DefL	1.05	128.7	F	DefL	0.61	57.8	E	DefL	0.77	59.1	E	DefL	0.66	67.0	E	DefL	1.05	129.7	F	DefL	0.82	83.2	F	DefL	0.77	59.8	E	DefL	0.65	66.3	E	DefL	1.05	133.2	F	DefL	0.64	65.9	E	DefL	---	---	---	DefL	0.58	62.0	E																																				
Northbound	TR	0.22	30.7	C	TR	0.14	15.1	B	TR	0.27	26.4	C	TR	0.16	17.4	B	TR	0.32	32.3	C	TR	0.22	19.3	B	TR	0.35	27.7	C	TR	0.21	18.0	B	TR	0.30	26.8	C	TR	0.18	17.6	B	TR	---	---	---	TR	0.17	17.5	B																																				
Northbound	LTR	---	---	---	LTR	---	---	---	LTR	---	---	---	LTR	---	---	---	LTR	---	---	---	LTR	---	---	---	LTR	---	---	---	LTR	---	---	---	LTR	---	---	---	LTR	---	---	---	LTR	0.48	30.0	C	LTR	---	---	---																																				
Southbound	LTR	0.98	68.8	E	LTR	---	---	---	LTR	0.84	43.0	D	LTR	---	---	---	LTR	0.91	57.2	E	LTR	---	---	---	LTR	0.87	48.3	D	LTR	---	---	---	LTR	1.03	74.6	E	LTR	---	---	---	LTR	0.95	56.8	E	LTR	---	---	---																																				
Southbound	L	---	---	---	L	0.47	28.7	<	L	---	---	---	L	0.45	29.2	C	L	---	---	---	L	0.49	32.0	C	L	---	---	---	L	0.40	28.0	C	L	---	---	---	L	0.45	29.1	C	L	---	---	---	L	0.50	30.5	C																																				
Southbound	T	---	---	---	T	0.46	26.8	C	T	---	---	---	T	0.33	25.6	C	T	---	---	---	T	0.44	29.0	C	T	---	---	---	T	0.32	25.5	C	T	---	---	---	T	0.44	27.8	C	T	---	---	---	T	0.33	25.6	C																																				
Southbound	R	---	---	---	R	1.09	143.0	F	R	---	---	---	R	0.82	85.7	F	R	---	---	---	R	1.26	213.4	F	R	---	---	---	R	1.09	150.9	F	R	---	---	---	R	1.20	188.0	F	R	---	---	---	R	0.94	107.6	F																																				
	Intersection		37.5		D		Intersection		82.0		F		Intersection		23.1		C		Intersection		39.7		D		Intersection		37.5		D		Intersection		55.4		E		Intersection		24.9		C		Intersection		48.6		D		Intersection		36.8		D		Intersection		54.2		D		Intersection		26.7		C		Intersection		40.6		D													
Sedgwick Avenue and West Kingsbridge Road																																																																																				
Eastbound	L	0.27	13.0	B	L	0.29	12.3	B	L	0.12	1.4	A	L	0.13	1.9	A	L	0.29	5.3	A	L	0.30	6.6	A	L	0.23	2.7	A	L	0.24	3.2	A	L	0.16	2.2	A	L	0.17	3.0	A	L	0.18	2.1	A	L	0.18	2.5	A																																				
Eastbound	TR	0.45	18.4	B	TR	0.47	17.4	B	TR	0.37	5.0	A	TR	0.38	5.3	A	TR	0.39	3.3	A	TR	0.42	4.0	A	TR	0.38	4.8	A	TR	0.40	5.2	A	TR	0.41	5.5	A	TR	0.43	6.1	A	TR	0.37	5.3	A	TR	0.39	5.7	A																																				
Westbound	L	0.59	19.1	B	L	0.63	20.4	C	L	0.34	18.1	B	L	0.36	18.8	B	L	0.48	18.7	B	L	0.52	20.4	C	L	0.35	15.3	B	L	0.38	16.1	B	L	0.39	15.8	B	L	0.43	17.5	B	L	0.27	12.5	B	L	0.29	13.2	B																																				
Westbound	TR	0.56	12.1	B	TR	0.57	12.3	B	TR	0.46	14.7	B	TR	0.47	14.8	B	TR	0.53	19.0	B	TR	0.54	18.6	B	TR	0.48	12.7	B	TR	0.48	12.7	B	TR	0.48	11.8	B	TR	0.49	12.1	B	TR	0.41	11.0	B	TR	0.42	11.1	B																																				
Northbound	LTR	0.48	35.6	D	LTR	0.50	36.0	D	LTR	0.32	25.7	C	LTR	0.34	25.9	C	LTR	0.34	32.9	C	LTR	0.36	33.3	C	LTR	0.36	26.3	C	LTR	0.38	26.6	C	LTR	0.35	26.0	C	LTR	0.37	26.4	C	LTR	0.31	25.5	C	LTR	0.32	25.6	C																																				
Southbound	LTR	1.05	105.4	F	LTR	1.09	117.4	F	LTR	0.81	47.8	D	LTR	0.84	51.4	D	LTR	0.85	58.9	E	LTR	0.88	63.5	E	LTR	0.77	43.8	D	LTR	0.80	46.6	D	LTR	0.86	52.1	D	LTR	0.90	57.9	E	LTR	0.68	38.2	D	LTR	0.71	39.8	D																																				
	Intersection		32.1		C		Intersection		33.8		C</																																																																									

Table D-2  
Existing and 2032 No Action Conditions Traffic Level of Service Analysis

Intersection	Weekday AM								Weekday Midday								Weekday PM								Weekday Evening								Saturday Midday/Afternoon								Saturday Evening																			
	Existing				2032 No Action				Existing				2032 No Action				Existing				2032 No Action				Existing				2032 No Action				Existing				2032 No Action				Existing				2032 No Action															
	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS																
Sedgwick Avenue and West Fordham Road																																																												
Eastbound	L	1.05	89.9	F	L	1.11	109.1	F	L	0.98	69.9	E	L	1.03	83.9	F	L	0.78	32.8	C	L	0.85	39.2	D	L	0.84	43.3	D	L	0.89	49.2	D	L	0.96	66.0	E	L	1.04	85.8	F	L	1.00	91.3	F	L	1.06	106.6	F												
Eastbound	TR	0.99	53.5	D	TR	1.08	78.9	E	TR	0.64	18.6	B	TR	0.69	19.8	B	TR	0.73	20.3	C	TR	0.76	21.7	C	TR	0.86	26.2	C	TR	0.91	30.2	C	TR	0.72	23.1	C	TR	0.83	29.4	C	TR	0.74	14.7	B	TR	0.81	17.6	B												
Westbound	LT	0.64	29.6	C	LT	0.65	30.0	C	LT	0.67	27.2	C	LT	0.69	27.6	C	LT	0.66	29.4	C	LT	0.67	29.8	C	LT	0.70	30.6	C	LT	0.71	31.1	C	LT	0.81	36.7	D	LT	0.83	37.9	D	LT	0.76	33.9	C	LT	0.77	34.5	C												
Westbound	R	0.35	25.5	C	R	0.36	25.6	C	R	0.36	23.4	C	R	0.37	23.5	C	R	0.46	27.5	C	R	0.47	27.7	C	R	0.37	25.0	C	R	0.37	25.1	C	R	0.35	25.3	C	R	0.36	25.4	C	R	0.32	24.6	C	R	0.32	24.6	C												
Northbound	LTR	0.94	75.3	E	LTR	0.98	85.4	F	LTR	0.70	34.2	C	LTR	0.72	36.0	D	LTR	1.05	106.6	F	LTR	1.09	120.2	F	LTR	1.05	111.7	F	LTR	1.10	126.9	F	LTR	1.05	108.0	F	LTR	1.10	122.1	F	LTR	0.69	44.8	D	LTR	0.72	46.3	D												
Southbound	L	0.93	78.3	E	L	0.98	91.4	F	L	0.53	28.2	C	L	0.56	29.0	C	L	1.04	114.1	F	L	1.10	133.8	F	L	0.68	50.7	D	L	0.71	53.2	D	L	0.66	44.2	D	L	0.70	47.4	D	L	0.33	30.5	C	L	0.35	30.9	C												
Southbound	T	1.05	107.3	F	T	1.07	113.9	F	T	0.38	22.2	C	T	0.38	22.3	C	T	1.05	111.7	F	T	1.07	117.7	F	T	0.94	82.8	F	T	0.96	86.9	F	T	0.99	89.9	F	T	1.01	95.5	F	T	0.81	56.3	E	T	0.83	57.6	E												
Southbound	R	0.72	43.4	D	R	0.75	45.4	D	R	0.49	25.1	C	R	0.50	25.4	C	R	0.78	51.8	D	R	0.80	54.0	D	R	0.66	44.6	D	R	0.68	45.3	D	R	0.71	42.5	D	R	0.73	44.0	D	R	0.55	34.1	C	R	0.56	34.4	C												
	Intersection		56.9		E	Intersection		68.4		E	Intersection		28.8		C	Intersection		30.9		C	Intersection		48.3		D	Intersection		52.7		D	Intersection		43.1		D	Intersection		46.8		D	Intersection		47.0		D	Intersection		52.8		D	Intersection		36.7		D	Intersection		39.6		D
Webb Avenue and West Kingsbridge Road																																																												
Eastbound	TR	1.05	74.5	E	TR	1.08	85.4	F	TR	0.80	40.4	D	TR	0.83	41.5	D	TR	0.73	21.7	C	TR	0.76	20.5	C	TR	0.78	39.0	D	TR	0.81	39.8	D	TR	0.73	37.6	D	TR	0.76	37.7	D	TR	0.73	37.6	D	TR	0.76	38.0	D												
Westbound	LT	1.05	42.1	D	LT	1.09	56.8	E	LT	0.50	14.5	B	LT	0.52	15.1	B	LT	0.63	24.0	C	LT	0.66	25.0	C	LT	0.51	15.5	B	LT	0.53	16.1	B	LT	0.47	13.2	B	LT	0.49	14.1	B	LT	0.38	11.8	B	LT	0.39	12.7	B												
Northbound	L	0.39	39.5	D	L	0.40	39.8	D	L	0.51	37.2	D	L	0.52	37.6	D	L	0.81	61.9	E	L	0.82	63.6	E	L	0.30	31.6	C	L	0.31	31.8	C	L	0.24	30.4	C	L	0.24	30.5	C	L	0.15	28.6	C	L	0.15	28.6	C												
Northbound	R	0.18	33.7	C	R	0.11	22.4	C	R	0.29	31.2	C	R	0.15	17.8	B	R	0.44	39.3	D	R	0.28	24.9	C	R	0.15	28.6	C	R	0.07	17.0	B	R	0.09	27.6	C	R	0.04	16.6	B	R	0.07	27.3	C	R	0.03	16.5	B												
Southbound	LTR	0.53	42.5	D	LTR	0.54	42.9	D	LTR	0.32	31.6	C	LTR	0.32	31.6	C	LTR	0.37	37.6	D	LTR	0.38	37.8	D	LTR	0.38	32.9	C	LTR	0.39	33.1	C	LTR	0.44	34.6	C	LTR	0.45	34.9	C	LTR	0.33	31.9	C	LTR	0.34	31.9	C												
	Intersection		56.1		E	Intersection		66.7		E	Intersection		29.7		C	Intersection		29.8		C	Intersection		29.9		C	Intersection		28.7		C	Intersection		28.5		C	Intersection		28.8		C	Intersection		26.4		C	Intersection		26.7		C	Intersection		26.6		C	Intersection		27.0		C
University Avenue and West Kingsbridge Road																																																												
Eastbound	LTR	0.73	38.6	D	LTR	0.76	38.9	D	LTR	0.81	22.6	C	LTR	0.84	23.2	C	LTR	0.80	27.7	C	LTR	0.83	28.1	C	LTR	0.84	21.8	C	LTR	0.88	24.1	C	LTR	0.75	17.6	B	LTR	0.79	17.8	B	LTR	0.79	19.8	B	LTR	0.83	21.1	C												
Westbound	LTR	1.05	67.8	E	LTR	1.13	96.0	F	LTR	0.88	35.0	D	LTR	0.94	44.3	D	LTR	0.90	38.7	D	LTR	0.96	48.9	D	LTR	0.99	51.4	D	LTR	1.07	74.4	E	LTR	0.84	28.3	C	LTR	0.94	40.1	D	LTR	0.77	24.7	C	LTR	0.83	28.9	C												
Northbound	L	0.87	82.9	F	L	0.90	88.6	F	L	0.53	34.1	C	L	0.55	34.7	C	L	0.71	58.4	E	L	0.74	61.2	E	L	0.50	32.8	C	L	0.51	33.3	C	L	0.58	35.8	D	L	0.61	37.0	D	L	0.48	31.5	C	L	0.49	32.0	C												
Northbound	TR	0.72	52.3	D	TR	0.73	53.1	D	TR	0.49	30.9	C	TR	0.51	31.6	C	TR	0.70	50.9	D	TR	0.72	52.1	D	TR	0.60	34.1	C	TR	0.61	34.4	C	TR	0.63	35.4	D	TR	0.64	35.9	D	TR	0.46	29.8	C	TR	0.47	29.9	C												
Southbound	LTR	0.74	53.4	D	LTR	0.76	55.5	E	LTR	0.44	29.2	C	LTR	0.44	29.3	C	LTR	0.52	42.4	D	LTR	0.53	42.8	D	LTR	0.42	28.6	C	LTR	0.43	28.8	C	LTR	0.44	29.1	C	LTR	0.45	29.4	C	LTR	0.43	28.9	C	LTR	0.44	29.3	C												
	Intersection		56.5		E	Intersection		68.7		E	Intersection		29.1		C	Intersection		32.4		C	Intersection		37.5		D	Intersection		41.4		D	Intersection		35.1		D	Intersection		44.1		D	Intersection		26.1		C	Intersection		30.1		C	Intersection		24.4		C	Intersection		26.3		C
University Avenue and West Fordham Road																																																												
Eastbound	T	0.75	34.6	C	T	0.77	35.3	D	T	0.69	30.0	C	T	0.70	30.3	C	T	0.70	34.8	C	T	0.71	35.3	D	T	0.74	36.4	D	T	0.76	36.9	D	T	0.68	35.6	D	T	0.70	36.1	D	T	0.59	33.1	C	T	0.60	33.3	C												
Eastbound	R	0.63	40.8	D	R	0.64	41.6	D	R	0.67	41.0	D	R	0.69	42.3	D	R	0.59	40.4	D	R	0.60	41.4	D	R	0.61	41.5	D	R	0.62	42.5	D	R	0.56	40.0	D	R	0.58	41.1	D	R	0.60	42.2	D	R	0.62	43.5	D												
Westbound	L	1.04	108.6	F	L	1.08	119.4	F	L	0.65	32.3	C	L	0.67	34.1	C	L	0.57	28.8	C	L	0.59	29.6	C	L	0.62	31.4	C	L	0.64	32.9	C	L	0.50	27.0	C	L	0.51	27.7	C	L	0.44	24.7	C	L	0.45	25.0	C												
Westbound	T	0.59	23.0	C	T	0.61	23.7	C	T	---	---	---	T	---	---	---	T	0.51	19.6	B	T	0.51	19.8	B	T	---	---	---	T	---	---	---	T	---	---	---	T	---	---	---	T	---	---	---	T	---	---	---												
Westbound	R	0.19	17.2	B	R	0.19	17.3	B	R	---	---	---	R	---	---	---	R	0.17	15.8	B	R	0.17	15.9	B	R	---	---	---	R	---	---	---	R	---	---	---	R	---	---	---	R	---	---	---	R	---	---	---												
Westbound	TR	---	---	---	TR	---	---	---	TR	0.65	21.1	C	TR	0.66	21.3	C	TR	---	---	---	TR	---	---	---	TR	0.63	22.3	C	TR	0.64	22.6	C	TR	0.68	25.0	C	TR	0.69	25.3	C	TR	0.58	22.4	C	TR	0.59	22.6	C												
Northbound	L	0.73	52.4	D	L	0.75	54.8	D	L	0.50	29.8	C	L	0.52	30.4	C	L	0.61	45.1	D	L	0.63	46.5	D	L	0.59	42.2	D	L	0.61	43.3	D	L	0.47	35.5	D	L	0.48	36.1	D	L	0.43	34.0	C	L	0.44	34.4	C												
Northbound	T	0.54	36.5	D	T	0.56	37.4	D	T	0.35	23.6	C	T	0.36	23.8	C	T	0.73	50.3	D	T	0.76	52.3	D	T	0.36	32.1	C	T	0.37	32.3	C	T	0.33	30.2	C	T	0.34	30.4	C	T	0.27	29.1	C	T	0.27	29.2	C												
Northbound	R	0.50	35.6	D	R	0.50	35.9	D	R	0.34	24.1	C	R	0.34	24.2	C	R	0.58	39.8	D	R	0.60	40.3	D	R	0.36	32.9	C	R	0.37	33.1	C	R	0.33	30.8	C	R	0.34	30.9	C	R	0.39	32.1	C	R	0.40	32.3	C												
Southbound	L	0.33	32.1	C	L	0.34	32.4	C	L	0.36	25.8	C	L	0.37	26.1	C	L	0.59	43.9	D	L	0.61	45.2	D	L	0.41	35.9	D	L	0.43	36.5	D	L	0.39	33.7	C	L	0.40	34.1	C	L	0.37	32.6	C	L	0.38	33.0													

Table D-2  
Existing and 2032 No Action Conditions Traffic Level of Service Analysis

Intersection	Weekday AM								Weekday Midday								Weekday PM								Weekday Evening								Saturday Midday/Afternoon								Saturday Evening							
	Existing				2032 No Action				Existing				2032 No Action				Existing				2032 No Action				Existing				2032 No Action				Existing				2032 No Action				Existing				2032 No Action			
	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS				
Jerome Avenue and East 198th Street																																																
Westbound	LR	0.22	45.3	D	LR	0.23	45.6	D	LR	0.24	26.2	C	LR	0.24	26.3	C	LR	0.24	23.5	C	LR	0.24	23.5	C	LR	0.26	26.6	C	LR	0.27	26.7	C	LR	0.32	27.6	C	LR	0.32	27.7	C	LR	0.23	25.9	C	LR	0.23	26.0	C
Northbound	TR	0.54	11.7	B	TR	0.55	12.3	B	TR	0.46	7.8	A	TR	0.48	7.9	A	TR	0.61	9.5	A	TR	0.63	9.9	A	TR	0.57	8.7	A	TR	0.59	8.9	A	TR	0.48	6.5	A	TR	0.50	6.8	A	TR	0.47	7.8	A	TR	0.48	8.0	A
Southbound	LT	0.50	21.6	C	LT	0.51	21.8	C	LT	0.40	16.5	B	LT	0.41	16.6	B	LT	0.49	21.3	C	LT	0.50	21.4	C	LT	0.42	16.7	B	LT	0.43	16.8	B	LT	0.39	16.1	B	LT	0.39	16.2	B	LT	0.32	15.2	B	LT	0.33	15.3	B
	Intersection	19.7	B		Intersection	20.0	C		Intersection	13.7	B		Intersection	13.8	B		Intersection	15.7	B		Intersection	15.9	B		Intersection	13.9	B		Intersection	14.0	B		Intersection	13.5	B		Intersection	13.6	B		Intersection	12.8	B		Intersection	12.9	B	
Jerome Avenue and Morris Avenue																																																
Westbound	LTR	0.09	29.2	C	LTR	0.09	29.2	C	LTR	0.11	24.1	C	LTR	0.12	24.1	C	LTR	0.13	29.9	C	LTR	0.14	29.9	C	LTR	0.20	25.2	C	LTR	0.20	25.3	C	LTR	0.11	24.1	C	LTR	0.12	24.1	C	LTR	0.16	24.7	C	LTR	0.17	24.7	C
Northbound	TR	0.33	13.1	B	TR	0.34	13.2	B	TR	0.31	12.8	B	TR	0.32	12.8	B	TR	0.46	6.3	A	TR	0.48	6.2	A	TR	0.42	15.5	B	TR	0.44	15.7	B	TR	0.36	21.6	C	TR	0.37	21.7	C	TR	0.28	20.0	B	TR	0.29	20.1	C
Southbound	LT	0.40	7.8	A	LT	0.41	7.9	A	LT	0.40	8.6	A	LT	0.41	8.7	A	LT	0.46	10.6	B	TR	0.47	10.7	B	TR	0.44	8.5	A	TR	0.45	8.5	A	TR	0.42	7.9	A	TR	0.43	8.0	A	TR	0.34	7.5	A	TR	0.35	7.5	A
	Intersection	11.5	B		Intersection	11.5	B		Intersection	11.7	B		Intersection	11.7	B		Intersection	10.3	B		Intersection	10.2	B		Intersection	13.5	B		Intersection	13.6	B		Intersection	15.0	B		Intersection	15.2	B		Intersection	14.7	B		Intersection	14.9	B	
Jerome Avenue and East 196th Street																																																
Westbound	LR	0.26	29.7	C	LR	0.30	30.9	C	LR	0.27	26.2	C	LR	0.29	26.5	C	LR	0.35	23.8	C	LR	0.38	23.8	C	LR	0.36	27.7	C	LR	0.39	28.2	C	LR	0.31	26.8	C	LR	0.34	27.4	C	LR	0.23	25.6	C	LR	0.25	25.8	C
Northbound	TR	0.54	17.7	B	TR	0.56	17.6	B	TR	0.49	9.1	A	TR	0.51	9.0	A	TR	0.63	21.2	C	TR	0.65	21.3	C	TR	0.63	13.2	B	TR	0.65	13.3	B	TR	0.56	20.1	C	TR	0.58	20.0	C	TR	0.43	11.3	B	TR	0.45	11.3	B
Southbound	LT	0.56	15.3	B	LT	0.56	15.5	B	LT	0.56	19.2	B	LT	0.57	19.7	B	LT	0.70	43.5	D	LT	0.72	44.6	D	LT	0.65	24.1	C	LT	0.66	24.6	C	LT	0.56	18.6	B	LT	0.57	19.1	B	LT	0.51	20.6	C	LT	0.52	20.9	C
	Intersection	18.4	B		Intersection	18.9	B		Intersection	16.4	B		Intersection	16.7	B		Intersection	30.9	C		Intersection	31.3	C		Intersection	20.2	C		Intersection	20.6	C		Intersection	20.7	C		Intersection	21.0	C		Intersection	17.7	B		Intersection	17.9	B	
Jerome Avenue and East 195th Street																																																
Eastbound	LR	0.66	51.6	D	LR	0.67	52.3	D	LR	0.33	34.8	C	LR	0.34	35.0	D	LR	0.62	49.1	D	LR	0.65	50.3	D	LR	0.45	31.4	C	LR	0.46	31.8	C	LR	0.48	32.5	C	LR	0.50	33.5	C	LR	0.44	26.8	C	LR	0.45	26.7	C
Northbound	LT	0.75	27.8	C	LT	0.80	30.3	C	LT	0.60	14.4	B	LT	0.64	15.2	B	LT	0.74	36.7	D	LT	0.79	39.0	D	LT	0.86	30.5	C	LT	0.91	34.6	C	LT	0.75	24.0	C	LT	0.80	24.2	C	LT	0.41	17.6	B	LT	0.43	17.6	B
Southbound	TR	0.78	25.0	C	TR	0.83	29.3	C	TR	0.78	21.5	C	TR	0.81	24.0	C	TR	0.87	34.6	C	TR	0.90	38.9	D	TR	0.86	27.1	C	TR	0.88	29.9	C	TR	0.69	37.0	D	TR	0.72	37.0	D	TR	0.60	11.4	B	TR	0.62	12.2	B
	Intersection	31.8	C		Intersection	34.5	C		Intersection	20.7	C		Intersection	22.2	C		Intersection	38.3	D		Intersection	41.3	D		Intersection	29.0	C		Intersection	31.9	C		Intersection	31.1	C		Intersection	31.4	C		Intersection	16.6	B		Intersection	16.9	B	
Jerome Avenue and West Kingsbridge Road/East Kingsbridge Road																																																
Eastbound	LTR	0.99	69.7	E	LTR	1.04	83.9	F	LTR	0.77	34.8	C	LTR	0.82	37.7	D	LTR	1.05	87.4	F	LTR	1.14	116.3	F	LTR	0.97	58.2	E	LTR	1.04	75.5	E	LTR	1.05	81.1	F	LTR	1.13	109.1	F	LTR	0.75	33.4	C	LTR	0.80	36.4	D
Westbound	LTR	0.80	23.8	C	LTR	0.82	24.7	C	LTR	0.60	18.0	B	LTR	0.62	18.3	B	LTR	0.73	45.0	D	LTR	0.75	46.8	D	LTR	0.75	24.3	C	LTR	0.77	25.7	C	LTR	0.71	21.0	C	LTR	0.72	21.8	C	LTR	0.57	16.3	B	LTR	0.58	16.5	B
Northbound	LTR	0.80	52.7	D	LTR	0.84	57.7	E	LTR	0.83	48.9	D	LTR	0.90	59.3	E	LTR	0.76	47.1	D	LTR	0.82	53.2	D	LTR	0.84	49.3	D	LTR	0.91	60.2	E	LTR	0.96	71.5	E	LTR	1.03	89.4	F	LTR	0.70	37.5	D	LTR	0.75	41.3	D
Southbound	LTR	---	---	---	LTR	1.17	125.6	F	LTR	---	---	---	LTR	1.04	93.5	F	LTR	---	---	---	LTR	1.04	89.3	F	LTR	---	---	---	LTR	1.04	86.7	F	LTR	---	---	---	LTR	1.02	76.0	E	LTR	---	---	---	LTR	0.88	46.9	D
Southbound	LT	0.76	37.3	D	LT	---	---	---	LT	0.64	40.4	D	LT	---	---	---	LT	1.05	102.1	F	LT	---	---	---	LT	0.67	41.3	D	LT	---	---	---	LT	0.69	32.8	C	LT	---	---	---	LT	0.55	26.2	C	LT	---	---	---
Southbound	R	0.28	22.4	C	R	---	---	---	R	0.29	32.6	C	R	---	---	---	R	0.27	34.4	C	R	---	---	---	R	0.26	33.4	C	R	---	---	---	R	0.22	21.1	C	R	---	---	---	R	0.24	19.7	B	R	---	---	---
	Intersection	44.9	D		Intersection	67.7	E		Intersection	33.3	C		Intersection	47.3	D		Intersection	67.1	E		Intersection	80.8	F		Intersection	43.1	D		Intersection	60.2	E		Intersection	51.9	D		Intersection	73.5	E		Intersection	27.2	C		Intersection	33.6	C	
Morris Avenue and East Kingsbridge Road																																																
Eastbound	LT	0.54	5.8	A	LT	0.57	4.9	A	LT	0.41	5.9	A	LT	0.43	5.6	A	LT	0.53	8.0	A	LT	0.57	8.6	A	LT	0.47	5.3	A	LT	0.50	4.7	A	LT	0.45	6.8	A	LT	0.49	6.5	A	LT	0.41	7.8	A	LT	0.43	7.3	A
Westbound	TR	0.47	6.4	A	TR	0.48	6.5	A	TR	0.33	3.3	A	TR	0.35	3.3	A	TR	0.44	5.6	A	TR	0.45	5.7	A	TR	0.46	3.9	A	TR	0.48	4.0	A	TR	0.37	3.6	A	TR	0.38	3.6	A	TR	0.32	4.3	A	TR	0.34	4.3	A
Northbound	LTR	0.14	26.6	C	LTR	0.14	26.7	C	LTR	0.20	21.7	C	LTR	0.20	21.8	C	LTR	0.19	27.5	C	LTR	0.20	27.6	C	LTR	0.11	20.6	C	LTR	0.11	20.6	C	LTR	0.11	20.6	C	LTR	0.11	20.7	C	LTR	0.12	20.8	C	LTR	0.13	20.8	C
	Intersection	7.1	A		Intersection	6.7	A		Intersection	6.1	A		Intersection	6.0	A		Intersection	8.2	A		Intersection	8.6	A		Intersection	5.2	A		Intersection	5.0	A		Intersection	5.9	A		Intersection	5.7	A		Intersection	6.9	A		Intersection	6.7	A	
Creston Avenue and East Kingsbridge Road																																																
Eastbound	TR	0.46	16.4	B	TR	0.47	17.0	B	TR	0.39	6.5	A	TR	0.40	6.9	A	TR	0.44	5.6	A	TR	0.45	5.5	A	TR	0.41	7.3	A	TR	0.43	7.7	A	TR	0.39	7.5	A	TR	0.40	7.9	A	TR	0.33	5.2	A	TR	0.34	5.6	A
Westbound	LT	0.43	16.3	B	LT	0.44	16.6	B	LT	0.33	15.8	B	LT	0.34	15.9	B	LT	0.40	18.1	B	LT	0.41	18.4	B	LT	0.43	17.0	B	LT	0.44	17.2	B	LT	0.36	16.1	B	LT	0.37	16.3	B	LT	0.28	15.3	B	LT	0.29	15.4	B
Southbound	LTR	0.31	32.9	C	LTR	0.32	33.2	C	LTR	0.28	25.0	C	LTR	0.29	25.3	C	LTR	0.31	32.9	C	LTR	0.33	33.2	C	LTR	0.28	25.0	C	LTR	0.29	25.2	C	LTR	0.28	25.1	C	LTR	0.29	25.2	C	LTR	0.34	26.0	C	LTR	0.35	26.2	C
	Intersection	17.9	B		Intersection	18.4	B		Intersection	12.3	B		Intersection	12.6	B		Intersection	13.7	B		Intersection	13.8	B		Intersection	13.3	B		Intersection	13.6	B		Intersection	12.9	B		Intersection	13.2	B		Intersection	12.1	B		Intersection	12.4	B	
Grand																																																

Table D-2  
Existing and 2032 No Action Conditions Traffic Level of Service Analysis

Intersection	Weekday AM								Weekday Midday								Weekday PM								Weekday Evening								Saturday Midday/Afternoon								Saturday Evening																		
	Existing				2032 No Action				Existing				2032 No Action				Existing				2032 No Action				Existing				2032 No Action				Existing				2032 No Action				Existing				2032 No Action														
	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS															
Grand Concourse and East 192nd Street																																																											
Eastbound	TR	0.14	28.6	C	TR	0.14	28.6	C	TR	0.12	26.4	C	TR	0.12	26.4	C	TR	0.13	28.5	C	TR	0.15	28.8	C	TR	0.15	28.8	C	TR	0.10	26.1	C	TR	0.10	26.1	C	TR	0.13	26.5	C	TR	0.13	26.5	C															
Northbound	L	0.39	68.4	E	L	0.39	68.4	E	L	0.50	74.1	E	L	0.51	74.9	E	L	0.57	79.6	E	L	0.59	81.7	F	L	0.56	78.6	E	L	0.57	79.6	E	L	0.63	85.2	F	L	0.64	86.4	F	L	0.50	74.1	E	L	0.51	74.9	E											
Northbound	T	0.38	21.6	C	T	0.39	21.7	C	T	0.42	23.9	C	T	0.42	24.0	C	T	0.84	34.6	C	T	0.86	35.6	D	T	0.70	28.3	C	T	0.71	28.7	C	T	0.49	25.2	C	T	0.50	25.4	C	T	0.39	23.5	C	T	0.39	23.5	C											
Northbound	TR	0.28	21.0	C	TR	0.29	21.0	C	TR	0.35	23.9	C	TR	0.36	24.1	C	TR	0.36	22.2	C	TR	0.37	22.4	C	TR	0.37	22.4	C	TR	0.38	22.5	C	TR	0.59	30.1	C	TR	0.60	30.5	C	TR	0.50	27.1	C	TR	0.51	27.4	C											
Southbound	L	0.52	93.0	F	L	0.52	92.4	F	L	0.33	61.9	E	L	0.33	61.5	E	L	0.55	75.7	E	L	0.56	76.9	E	L	0.30	57.9	E	L	0.30	58.2	E	L	0.52	73.2	E	L	0.53	74.4	E	L	0.38	64.7	E	L	0.38	64.9	E											
Southbound	T	0.99	29.3	C	T	1.00	32.7	C	T	0.46	37.7	D	T	0.46	37.6	D	T	0.54	24.0	C	T	0.55	24.4	C	T	0.33	17.8	B	T	0.34	17.8	B	T	0.38	32.3	C	T	0.39	32.5	C	T	0.29	25.2	C	T	0.29	25.3	C											
Southbound	TR	0.54	6.9	A	TR	0.55	6.8	A	TR	0.37	29.4	C	TR	0.38	29.6	C	TR	0.37	32.2	C	TR	0.38	32.5	C	TR	0.38	28.3	C	TR	0.38	28.8	C	TR	0.38	29.4	C	TR	0.39	29.6	C	TR	0.36	25.7	C	TR	0.37	25.8	C											
Intersection		28.5		C	Intersection		30.8		C	Intersection		32.2		C	Intersection		31.8		C	Intersection		32.7		C	Intersection		26.4		C	Intersection		26.7		C	Intersection		31.6		C	Intersection		31.8		C	Intersection		26.5		C	Intersection		26.7		C					
Valentine Avenue and East 198th Street																																																											
Eastbound	TR	0.29	7.6	A	TR	0.33	7.9	A	TR	0.23	15.2	B	TR	0.26	15.5	B	TR	0.24	20.4	C	TR	0.29	21.0	C	TR	0.23	22.6	C	TR	0.27	23.5	C	TR	0.21	14.6	B	TR	0.26	15.2	B	TR	0.19	14.8	B	TR	0.22	15.2	B											
Westbound	LT	0.59	19.6	B	LT	0.61	20.1	C	LT	0.46	15.9	B	LT	0.48	16.2	B	LT	0.54	17.7	B	LT	0.56	18.4	B	LT	0.46	16.4	B	LT	0.48	16.8	B	LT	0.54	18.2	B	LT	0.56	18.8	B	LT	0.57	18.6	B	LT	0.58	19.1	B											
Southbound	LTR	0.49	16.5	B	LTR	0.51	16.8	B	LTR	0.36	14.1	B	LTR	0.36	14.2	B	LTR	0.50	16.5	B	LTR	0.51	16.9	B	LTR	0.50	16.6	B	LTR	0.51	16.8	B	LTR	0.58	18.6	B	LTR	0.59	19.0	B	LTR	0.52	16.9	B	LTR	0.53	17.2	B											
Intersection		15.8		B	Intersection		16.1		B	Intersection		15.1		B	Intersection		15.3		B	Intersection		17.7		B	Intersection		18.3		B	Intersection		17.6		B	Intersection		18.2		B	Intersection		17.8		B	Intersection		18.2		B	Intersection		17.3		B	Intersection		17.6		B
Valentine Avenue/East Kingsbridge Road and East 192nd Street (West)																																																											
Eastbound	TR	0.45	40.2	D	TR	0.45	40.1	D	TR	0.44	35.5	D	TR	0.44	35.6	D	TR	0.44	39.1	D	TR	0.45	39.3	D	TR	0.39	33.4	C	TR	0.39	33.5	C	TR	0.70	46.4	D	TR	0.71	47.5	D	TR	0.60	40.4	D	TR	0.61	40.9	D											
Westbound	L	0.04	80.0	F	L	0.04	79.5	E	L	0.03	58.3	E	L	0.03	60.8	E	L	0.05	63.2	E	L	0.05	61.9	E	L	0.08	55.2	E	L	0.08	55.1	E	L	0.04	54.0	D	L	0.04	53.9	D	L	0.03	56.3	E	L	0.03	57.5	E											
Northbound	R	0.07	5.9	A	R	0.07	5.9	A	R	0.09	5.6	A	R	0.09	5.6	A	R	0.09	6.0	A	R	0.09	6.0	A	R	0.07	5.4	A	R	0.07	5.4	A	R	0.13	5.8	A	R	0.13	5.8	A	R	0.08	5.5	A	R	0.08	5.5	A											
Southbound	LT	0.12	2.4	A	LT	0.12	2.4	A	LT	0.12	0.8	A	LT	0.12	0.8	A	LT	0.15	0.9	A	LT	0.15	0.9	A	LT	0.09	0.2	A	LT	0.09	0.2	A	LT	0.12	6.5	A	LT	0.12	6.5	A	LT	0.09	0.7	A	LT	0.10	0.7	A											
Intersection		18.7		B	Intersection		18.7		B	Intersection		15.3		B	Intersection		15.3		B	Intersection		14.2		B	Intersection		14.3		B	Intersection		17.0		B	Intersection		16.9		B	Intersection		24.0		C	Intersection		24.4		C	Intersection		21.4		C	Intersection		21.7		C
Valentine Avenue/East Kingsbridge Road and East 192nd Street (East)																																																											
Eastbound	LR	0.22	14.7	B	LR	0.22	14.7	B	LR	0.24	13.4	B	LR	0.24	13.4	B	LR	0.22	17.5	B	LR	0.23	17.4	B	LR	0.22	10.3	B	LR	0.22	10.3	B	LR	0.30	12.3	B	LR	0.30	12.2	B	LR	0.24	10.6	B	LR	0.24	10.8	B											
Northbound	LT	0.36	30.6	C	LT	0.37	30.4	C	LT	0.19	31.6	C	LT	0.20	31.6	C	LT	0.21	21.6	C	LT	0.21	21.1	C	LT	0.25	19.3	B	LT	0.26	19.3	B	LT	0.24	19.1	B	LT	0.25	19.2	B	LT	0.23	19.0	B	LT	0.23	19.0	B											
Southbound	TR	0.29	9.1	A	TR	0.30	9.2	A	TR	0.24	9.5	A	TR	0.25	9.6	A	TR	0.28	12.0	B	TR	0.29	12.3	B	TR	0.25	8.9	A	TR	0.26	8.9	A	TR	0.24	34.2	C	TR	0.24	34.2	C	TR	0.19	11.9	B	TR	0.20	11.9	B											
Intersection		19.0		B	Intersection		19.0		B	Intersection		16.6		B	Intersection		16.7		B	Intersection		16.1		B	Intersection		12.6		B	Intersection		12.6		B	Intersection		12.6		B	Intersection		23.1		C	Intersection		23.1		C	Intersection		14.0		B	Intersection		14.1		B
Elm Place/Bainbridge Avenue/East Kingsbridge Road and East Fordham Road																																																											
Eastbound	LTR	---	---	---	LTR	---	---	---	LTR	---	---	---	LTR	---	---	---	LTR	---	---	---	LTR	---	---	---	LTR	0.81	22.7	C	LTR	0.83	24.3	C	LTR	0.82	23.8	C	LTR	0.84	25.3	C	LTR	0.74	19.4	B	LTR	0.76	20.3	C											
Eastbound	LT	0.79	21.8	C	LT	0.81	22.9	C	LT	0.78	24.1	C	LT	0.81	25.6	C	LT	0.70	17.8	B	LT	0.72	18.4	B	LT	---	---	---	LT	---	---	---	LT	---	---	---	LT	---	---	---	LT	---	---	---	LT	---	---	---	---	---	---	---							
Eastbound	R	0.02	7.9	A	R	0.02	7.9	A	R	0.07	11.2	B	R	0.07	11.2	B	R	0.07	8.5	A	R	0.07	8.5	A	R	---	---	---	R	---	---	---	R	---	---	---	R	---	---	---	R	---	---	---	R	---	---	---	R	---	---	---							
Westbound	T	1.05	72.0	E	T	1.09	85.4	F	T	0.92	40.9	D	T	0.93	43.5	D	T	1.05	71.5	E	T	1.09	84.1	F	T	1.05	70.8	E	T	1.10	87.6	F	T	0.94	39.4	D	T	0.96	42.2	D	T	1.05	69.2	E	T	1.07	76.1	E											
Westbound	R	1.05	86.4	F	R	1.11	106.0	F	R	0.20	20.5	C	R	0.23	21.4	C	R	1.05	96.7	F	R	1.22	157.8	F	R	1.05	94.1	F	R	1.15	129.7	F	R	0.21	16.0	B	R	0.24	16.5	B	R	1.05	91.5	F	R	1.14	121.6	F											
Southbound	L	1.04	118.3	F	L	1.13	149.1	F	L	0.91	95.9	F	L	1.09	150.1	F	L	0.68	72.2	E	L	0.69	72.8	E	L	1.05	144.1	F	L	1.30	236.6	F	L	1.04	137.8	F	L	1.06	142.4	F	L	1.05	144.7	F	L	1.24	215.6	F											
Southbound	LT	0.76	49.9	D	LT	0.78	51.3	D	LT	0.42	44.3	D	LT	0.42	44.4	D	LT	0.69	72.6	E	LT	0.70	73.2	E	LT	0.63	54.3	D	LT	0.64	55.0	E	LT	0.63	54.6	D	LT	0.64	55.3	E	LT	0.47	47.8	D	LT	0.48	48.1	D											
Intersection		58.7		E	Intersection		69.2		E	Intersection		38.5		D	Intersection		44.3		D	Intersection		56.2		E	Intersection		68.6		E	Intersection		60.2		E	Intersection		77.1		E	Intersection		40.0		D	Intersection		42.3		D	Intersection		58.9		E	Intersection		70.4		E
East Kingsbridge Road/East 194th Street and Valentine Avenue																																																											
Eastbound	T	0.21	36.4	D	T	0.21	36.5	D	T	0.18	29.4	C	T	0.18	29.5	C	T	0.28	37.5	D	T	0.29	37.6	D	T	0.31	31.5	C	T	0.32	31.6	C	T	0.27	30.7	C	T	0.27	30.7	C	T	0.30	31.2	C	T	0.30	31.2	C											
Eastbound	R	0.72	52.3	D	R	0.74	53.4	D	R	0.62	40.5	D	R	0.63	41.0	D	R	0.68	50.2	D	R	0.69	50.9	D	R	0.75	47.5	D	R	0.76	48.5	D	R	0.70	44.6	D	R	0.72	45.6	D	R	0.55	37.7	D	R	0.56	38.1	D											
Eastbound	R	0.31	39.4	D	R	0.32	39.3	D	R	0.46	35.3	D	R	0.47	35.5	D	R	0.39	39.4	D	R	0.39	39.6	D	R	0.35	32.7	C	R	0.36	32.8	C	R	0.40	33.2	C	R	0.40	33.3	C	R	0.25	30.6	C	R	0.25	30.6	C											
Northbound	L	1.05	78.7	E	L	1.08	89.1	F	L	1.05	94.9	F	L	1.09	106.0	F	L	1.05	89.0	F	L	1.10	105.1	F	L	1.05	85.9	F	L	1.08	94.9	F	L	1.05	85.1	F	L	1.09	95.7	F	L	1.05	90.4	F	L	1.08	100.4	F											
Northbound	R	---	---	---	R	---	---	---	R	0.19	2.7	A	R	0.19	3.2	A	R	0.16	6.6	A	R	0.17	6.5	A	R	0.11	5.7	A	R	0.12																													



## 2032 No Action and With Action Conditions Traffic Level of Service Analysis

Intersection	Weekday AM								Weekday Midday								Weekday PM								Weekday Evening								Saturday Midday/Afternoon								Saturday Evening																																
	2032 No Action				2032 With Action				2032 No Action				2032 With Action				2032 No Action				2032 With Action				2032 No Action				2032 With Action				2032 No Action				2032 With Action																																				
	Lane Group	v/c	Delay (sec)	LOS	Lane Group	v/c	Delay (sec)	LOS	Lane Group	v/c	Delay (sec)	LOS	Lane Group	v/c	Delay (sec)	LOS	Lane Group	v/c	Delay (sec)	LOS	Lane Group	v/c	Delay (sec)	LOS	Lane Group	v/c	Delay (sec)	LOS	Lane Group	v/c	Delay (sec)	LOS	Lane Group	v/c	Delay (sec)	LOS	Lane Group	v/c	Delay (sec)	LOS																																	
Signalized Intersections																																																																									
Major Deegan Expressway SB Ramp and West 230th Street																																																																									
Eastbound	Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				T	0.34	14.7	B	T	0.34	14.7	B	Not Analyzed				Not Analyzed				T	0.24	13.7	B	T	0.24	13.7	B																													
Eastbound																					R	0.23	14.4	B	R	0.23	14.4	B									R	0.34	15.9	B	R	0.34	15.9	B																													
Westbound																					LT	0.41	7.3	A	LT	0.41	7.2	A									LT	0.46	7.8	A	LT	0.46	7.7	A																													
Southbound																					LTR	0.66	34.0	C	LTR	0.75	37.3	D									LTR	0.93	43.1	D	LTR	0.96	58.4	E+																													
																Intersection		17.8		B	Intersection		19.5		B	Intersection		21.5		C	Intersection		27.8		C																																						
Major Deegan Expressway SB Ramp and West Fordham Road																																																																									
Eastbound	Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				T	0.95	52.3	D	T	0.95	52.5	D	Not Analyzed				Not Analyzed				T	1.07	90.9	F	T	1.07	91.3	F																													
Eastbound																					R	0.40	24.9	C	R	0.40	24.9	C									R	0.61	34.4	C	R	0.61	34.4	C																													
Westbound																					L	0.98	51.1	D	L	1.12	86.7	F+									L	0.78	29.7	C	L	0.87	33.5	C																													
Westbound																					T	0.42	6.1	A	T	0.42	5.5	A									T	0.34	4.3	A	T	0.34	4.2	A																													
Southbound																	Intersection		47.6		D	Intersection		53.4		D	Intersection		49.1		D	Intersection		49.5		D																																					
Major Deegan Expressway NB Ramp and West 230th Street																																																																									
Eastbound	Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				DefL	1.07	93.6	F	DefL	1.09	101.0	F+	Not Analyzed				Not Analyzed				DefL	0.97	72.8	E	DefL	0.98	75.3	E																													
Eastbound																					T	0.53	21.7	C	T	0.63	26.0	C									T	0.57	26.8	C	T	0.71	32.7	C																													
Westbound																					TR	0.21	0.6	A	TR	0.22	0.6	A									TR	0.25	0.5	A	TR	0.26	0.5	A																													
Northbound																					L	0.67	39.2	D	L	0.67	39.2	D									L	0.71	40.7	D	L	0.71	40.7	D																													
Northbound																	Intersection		36.0		D	Intersection		37.5		D	Intersection		35.3		D	Intersection		36.4		D																																					
Major Deegan Expressway NB Ramp and West Fordham Road																																																																									
Eastbound	Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				L	0.73	19.6	B	L	0.76	21.7	C	Not Analyzed				Not Analyzed				L	0.77	15.4	B	L	0.80	19.2	B																													
Eastbound																					T	0.46	6.3	A	T	0.46	6.3	A									T	0.39	1.0	A	T	0.39	1.0	A																													
Westbound																					T	0.57	48.8	D	T	0.61	49.8	D									T	0.46	12.2	B	T	0.49	11.7	B																													
Westbound																					R	0.62	52.5	D	R	0.62	52.0	D									R	0.45	13.4	B	R	0.45	12.4	B																													
Northbound																	Intersection		40.7		D	Intersection		125.5		F	Intersection		23.9		C	Intersection		155.7		F																																					
Bailey Avenue and West 230th Street																																																																									
Eastbound	Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				L	0.40	2.1	A	L	0.40	2.0	A	Not Analyzed				Not Analyzed				L	0.34	1.4	A	L	0.34	1.7	A																													
Eastbound																					TR	0.32	1.6	A	TR	0.39	1.8	A									TR	0.47	1.8	A	TR	0.57	2.6	A																													
Northbound																					DefL	1.05	111.8	F	DefL	1.13	138.3	F+									DefL	1.05	111.8	F	DefL	1.10	127.9	F+																													
Northbound																					TR	0.60	37.9	D	TR	0.60	37.9	D									TR	0.71	43.2	D	TR	0.71	43.2	D																													
Southbound																	Intersection		30.7		C	Intersection		33.9		C	Intersection		30.8		C	Intersection		31.8		C																																					
Bailey Avenue and West 225th StreetWest Kingsbridge Road																																																																									
Eastbound	L	1.26	233.1	F	L	1.35	273.5	F+	L	0.64	50.7	D	L	0.68	55.3	E	L	1.10	150.3	F	L	1.22	195.3	F+	L	0.84	72.5	E	L	0.89	83.3	F+	L	0.92	96.2	F	L	0.97	110.7	F+	L	0.64	48.6	D	L	0.67	51.0	D																									
Eastbound	TR	0.97	69.1	E	TR	0.98	71.4	E	TR	0.53	34.0	C	TR	0.54	34.3	C	TR	0.75	39.8	D	TR	0.77	40.4	D	TR	0.75	41.2	D	TR	0.82	44.7	D	TR	0.72	39.7	D	TR	0.74	40.3	D	TR	0.55	34.4	C	TR	0.64	36.7	D																									
Westbound	L	0.41	31.2	C	L	0.42	33.2	C	L	0.16	29.5	C	L	0.16	29.6	C	L	0.19	20.0	B	L	0.19	21.4	C	L	0.15	30.1	C	L	0.18	31.4	C	L	0.18	30.6	C	L	0.19	30.9	C	L	0.11	28.2	C	L	0.13	28.9	C																									
Westbound	TR	1.16	111.0	F	TR	1.21	128.8	F+	TR	0.69	38.8	D	TR	0.73	40.4	D	TR	0.87	30.7	C	TR	0.93	38.7	D	TR	0.63	37.0	D	TR	0.68	38.5	D	TR	0.80	43.8	D	TR	0.83	45.6	D	TR	0.59	35.6	D	TR	0.61	36.4	D																									
Northbound	DefL	0.61	57.8	E	DefL	0.61	57.8	E	DefL	0.66	67.0	E	DefL	0.66	67.0	E	DefL	0.82	83.2	F	DefL	0.82	83.2	F	DefL	0.65	66.3	E	DefL	0.65	66.3	E	DefL	0.64	65.9	E	DefL	0.64	65.9	E	DefL	0.58	62.0	E	DefL	0.58	62.0	E																									
Northbound	TR	0.14	15.1	B	TR	0.14	15.1	B	TR	0.16	17.4	B	TR	0.16	17.4	B	TR	0.22	19.3	B	TR	0.22	19.3	B	TR	0.21	18.0	B	TR	0.18	17.6	B	TR	0.18	17.6	B	TR	0.17	17.5	B	TR	0.17	17.5	B																													
Southbound	L	0.47	28.7	C	L	0.54	30.9	C	L	0.45	29.2	C	L	0.50	30.4	C	L	0.49	32.0	C	L	0.51	32.8	C	L	0.40	28.0	C	L	0.58	33.2	C	L	0.45	29.1	C	L	0.46	29.5	C	L	0.50	30.5	C	L	0.72	39.9	D																									
Southbound	T	0.46	26.8	C	T	0.46	26.8	C	T	0.33	25.6	C	T	0.33	25.6	C	T	0.44	29.0	C	T	0.44	29.0	C	T	0.32	25.5	C	T	0.32	25.5	C	T	0.44	27.8	C	T	0.44	27.8	C	T	0.33	25.6	C	T	0.33	25.6	C																									
Southbound	R	1.09	143.0	F	R	1.09	143.0	F	R	0.82	85.7	F	R	0.82	85.7	F	R	1.26	213.4	F	R	1.26	213.4	F	R	1.09	150.9	F	R	1.09	150.9	F	R	1.20	188.0	F	R	1.20	188.0	F	R	0.94	107.6	F	R	0.94	107.6	F																									
		Intersection		82.0		F		Intersection		89.2		F		Intersection		39.7		D		Intersection		40.5		D		Intersection		55.4		E		Intersection		48.6		D		Intersection		50.2		D		Intersection		54.2		D		Intersection		55.4		E		Intersection		40.6		D		Intersection		42.1		D							
Sedgwick Avenue and West Kingsbridge Road																																																																									
Eastbound	L	0.29	12.3	B	L	0.30	12.6	B	L	0.13	1.9	A	L	0.13	1.9	A	L	0.30	6.6	A	L	0.31	6.6	A	L	0.24	3.2	A	L	0.24	3.0	A	L	0.17	3.0	A	L	0.17	3.0	A	L	0.18	2.5	A	L	0.19	2.2	A																									
Eastbound	TR	0.47	17.4	B	TR	0.50	17.9	B	TR	0.38	5.3	A	TR	0.40	5.2	A	TR	0.42	4.0	A	TR	0.43	3.8	A	TR	0.40	5.2	A	TR	0.50	6.6	A	TR	0.43	6.1	A	TR	0.45	6.4	A	TR	0.39	5.7	A	TR	0.52	8.1	A																									
Westbound	L	0.63	20.4	C	L	0.66	21.7	C	L	0.36	18.8	B	L	0.37	18.9	B	L	0.52	20.4	C	L	0.54	20.1	C	L	0.38	16.1	B	L	0.53	22.5	C	L	0.43	17.5	B	L	0.44	18.3	B	L	0.29	13.2	B	L	0.45	19.8	B																									
Westbound	TR	0.57	12.3	B	TR	0.59	12.4	B	TR	0.47	14.8	B	TR	0.48	14.5	B	TR	0.54	18.6	B	TR	0.56	19.0	B	TR	0.48	12.7	B	TR	0.49	12.1	B	TR	0.49	12.1	B	TR	0.50	12.1	B	TR	0.42	11.1	B	TR	0.42	10.8	B																									
Northbound	LTR	0.50	36.0	D	LTR	0.55	37.3	D	LTR	0.34	25.9	C	LTR	0.38	26.5	C	LTR	0.36	33.3	C	LTR	0.41	34.2	C	LTR	0.38	26.6	C	LTR	1.84	112.5	F+	LTR	0.37	26.4	C	LTR	0.42	27.1	C	LTR	0.32	25.6	C	LTR	2.31	206.3	F+																									
Southbound	LTR	1.09	117.4	F	LTR	1.17	146.8	F+	LTR	0.84	51.4	D	LTR	0.87	55.2	E	LTR	0.88	63.5	E	LTR	0.91	68.7	E+	LTR	0.80	46.6	D	LTR	1.48	270.0	F+	LTR	0.90	57.9	E	LTR	0.94	65.4	E+	LTR	0.71	39.8	D	LTR	1.93	475.0	F+																									
		Intersection		33.8		C		Intersection		38.9		D		Intersection		19.6		B		Intersection		20.2		C		Intersection		22.9		C		Intersection		24.0		C		Intersection		17.5		B		Intersection		73.7		E		Intersection		20.2		C		Intersection		21.8		C		Intersection		15.5		B		Intersection		130.6		F	
Bailey Avenue and Sedgwick Avenue																																																																									
Westbound	Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				LR	0.62	23.4	C	LR	0.74	28.1	C	Not Analyzed				Not Analyzed				LR	0.49	20.3	C	LR	0.60	22.8	C																													
Northbound																					T	0.18	5.8	A	T	0.18	5.2	A									T	0.13	7.9	A	T	0.13	5.8	A																													
Northbound																					R	0.41	8.4	A	R	1.24	133.0	F+									R	0.37	9.9	A	R	1.63	308.7	F+																													
Southbound																					LT	0.31	8.9	A	LT	0.31	8.9	A									LT	0.30	8.8	A	LT	0.30	8.8	A																													
																Intersection		11.7		B	Intersection		62.4		E	Intersection		11.5		B	Intersection		163.9		F																																						
Sedgwick Avenue and West Fordham Road																																																																									
Eastbound	L	1.11	109.1	F	L	1.22	147.3	F+	L	1.03	83.9	F	L	1.11	107.7	F+	L	0.85	39.2	D	L	0.91	48.7	D	L	0.89	49.2	D	L	2.20	576.9	F+	L	1.04	85.8	F	L	1.11	108.1	F+	L	1.06	106.6	F	L	3.22	1044.9	F+																									
Eastbound	TR	1.08	78.9	E	TR	1.13	100.6	F+	TR	0.69	19.8	B	TR	0.73	21.4	C	TR	0.76	21.7	C	TR	0.91	30.2	C	TR	0.91	30.2	C	TR	1.00	46.8	D	TR	0.83	29.4	C	TR	0.81	17.6	B	TR	0.90	25.2	C																													
Westbound	LT	0.65	30.0	C	LT	0.67	30.5	C	LT	0.69	27.6	C	LT	0.70	27.9	C	LT	0.67	29.8	C	LT	0.68	30.3	C	LT	0.71	31.1	C	LT	0.72	31.3	C	LT	0.83	37.9	D	LT	0.84	38.6	D	LT	0.77	34.5	C	LT	0.78	34.7	C																									
Westbound	R	0.36	25.6	C	R	0.36	25.6	C	R	0.37	23.5	C	R	0.37	23.5	C	R	0.47	27.7	C	R	0.47	27.7	C	R	0.37	25.1	C	R	0.37	25.1	C	R	0.36	25.4	C	R	0																																			

Table D-3

2032 No Action and With Action Conditions Traffic Level of Service Analysis

Intersection	Weekday AM								Weekday Midday								Weekday PM								Weekday Evening								Saturday Midday/Afternoon								Saturday Evening																		
	2032 No Action				2032 With Action				2032 No Action				2032 With Action				2032 No Action				2032 With Action				2032 No Action				2032 With Action				2032 No Action				2032 With Action																						
	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS											
Webb Avenue and West Kingsbridge Road																																																											
Eastbound	TR	1.08	85.4	F	TR	1.16	116.7	F+	TR	0.83	41.5	D	TR	0.88	46.1	D	TR	0.76	20.5	C	TR	0.81	24.1	C	TR	0.81	39.8	D	TR	1.44	230.0	F+	TR	0.76	37.7	D	TR	0.81	39.8	D	TR	0.76	38.0	D	TR	1.70	340.7	F+											
Westbound	LT	1.09	56.8	E	LT	1.10	62.4	E+	LT	0.52	15.1	B	LT	0.54	15.2	B	LT	0.66	25.0	C	LT	0.70	25.8	C	LT	0.53	16.1	B	LT	0.66	18.8	B	LT	0.49	14.1	B	LT	0.50	15.2	B	LT	0.39	12.7	B	LT	0.49	14.4	B											
Northbound	L	0.40	39.8	D	L	0.40	39.8	D	L	0.52	37.6	D	L	0.52	37.6	D	L	0.82	63.6	E	L	0.82	63.6	E	L	0.31	31.8	C	L	0.31	31.8	C	L	0.24	30.5	C	L	0.24	30.5	C	L	0.15	28.6	C	L	0.15	28.6	C											
Northbound	R	0.11	22.4	C	R	0.11	22.4	C	R	0.15	17.8	B	R	0.15	17.8	B	R	0.28	24.9	C	R	0.28	24.9	C	R	0.07	17.0	B	R	0.07	17.0	B	R	0.04	16.6	B	R	0.04	16.6	B	R	0.03	16.5	B	R	0.03	16.5	B											
Southbound	LTR	0.54	42.9	D	LTR	0.54	42.9	D	LTR	0.32	31.6	C	LTR	0.32	31.6	C	LTR	0.38	37.8	D	LTR	0.38	37.8	D	LTR	0.39	33.1	C	LTR	0.39	33.1	C	LTR	0.45	34.9	C	LTR	0.45	34.9	C	LTR	0.34	31.9	C	LTR	0.34	31.9	C											
Intersection		66.7		E	Intersection		83.8		F	Intersection		29.8		C	Intersection		32.1		C	Intersection		28.7		C	Intersection		30.1		C	Intersection		28.8		C	Intersection		144.5		F	Intersection		26.7		C	Intersection		28.3		C	Intersection		27.0		C	Intersection		236.4		F
University Avenue and West Kingsbridge Road																																																											
Eastbound	LTR	0.76	38.9	D	LTR	0.86	40.9	D	LTR	0.84	23.2	C	LTR	0.97	36.5	D	LTR	0.83	28.1	C	LTR	0.97	42.8	D	LTR	0.88	24.1	C	LTR	1.86	405.5	F+	LTR	0.79	17.8	B	LTR	0.86	21.2	C	LTR	0.83	21.1	C	LTR	1.92	431.8	F+											
Westbound	DefL	---	---	---	DefL	---	---	---	DefL	---	---	---	DefL	1.21	162.5	F+	DefL	---	---	---	DefL	1.23	167.0	F+	DefL	---	---	---	DefL	2.24	618.9	F+	DefL	---	---	---	DefL	---	---	---	DefL	---	---	---	DefL	2.00	515.5	F+											
Westbound	TR	---	---	---	TR	---	---	---	TR	---	---	---	TR	0.93	45.4	D	TR	---	---	---	TR	0.95	47.6	D	TR	---	---	---	TR	1.17	114.5	F+	TR	---	---	---	TR	---	---	---	TR	---	---	---	TR	0.88	35.6	D											
Westbound	LTR	1.13	96.0	F	LTR	1.32	177.4	F+	LTR	0.94	44.3	D	LTR	---	---	---	LTR	0.96	48.9	D	LTR	---	---	---	LTR	1.07	74.4	E	LTR	---	---	---	LTR	0.94	40.1	D	LTR	1.17	110.6	F+	LTR	0.83	28.9	C	LTR	---	---	---											
Northbound	L	0.90	88.6	F	L	0.92	93.9	F+	L	0.55	34.7	C	L	0.56	35.7	D	L	0.74	61.2	E	L	0.77	65.3	E	L	0.51	33.3	C	L	0.53	34.1	C	L	0.61	37.0	D	L	0.64	39.2	D	L	0.49	32.0	C	L	0.51	32.8	C											
Northbound	TR	0.73	53.1	D	TR	0.83	62.1	E+	TR	0.51	31.6	C	TR	0.58	34.1	C	TR	0.72	52.1	D	TR	0.80	59.0	E+	TR	0.61	34.4	C	TR	0.65	36.2	D	TR	0.64	35.9	D	TR	0.73	41.2	D	TR	0.47	29.9	C	TR	0.49	30.7	C											
Southbound	LTR	0.76	55.5	E	LTR	0.81	60.9	E+	LTR	0.44	29.3	C	LTR	0.45	29.5	C	LTR	0.53	42.8	D	LTR	0.56	44.2	D	LTR	0.43	28.8	C	LTR	0.43	29.0	C	LTR	0.45	29.4	C	LTR	0.46	29.8	C	LTR	0.44	29.3	C	LTR	0.45	29.6	C											
Intersection		68.7		E	Intersection		103.5		F	Intersection		32.4		C	Intersection		49.0		D	Intersection		41.4		D	Intersection		58.5		E	Intersection		44.1		D	Intersection		271.8		F	Intersection		30.1		C	Intersection		56.0		E	Intersection		26.3		C	Intersection		289.4		F
University Avenue and West Fordham Road																																																											
Eastbound	T	0.77	35.3	D	T	0.77	35.3	D	T	0.70	30.3	C	T	0.70	30.3	C	T	0.71	35.3	D	T	0.71	35.3	D	T	0.76	36.9	D	T	0.76	36.9	D	T	0.70	36.1	D	T	0.70	36.1	D	T	0.60	33.3	C	T	0.60	33.3	C											
Eastbound	R	0.64	41.6	D	R	0.64	41.6	D	R	0.69	42.3	D	R	0.69	42.3	D	R	0.60	41.4	D	R	0.60	41.4	D	R	0.62	42.5	D	R	0.62	42.5	D	R	0.58	41.1	D	R	0.58	41.1	D	R	0.62	43.5	D	R	0.62	43.5	D											
Westbound	L	1.08	119.4	F	L	1.08	119.4	F	L	0.67	34.1	C	L	0.67	34.1	C	L	0.59	29.6	C	L	0.59	29.6	C	L	0.64	32.9	C	L	0.64	32.9	C	L	0.51	27.7	C	L	0.51	27.7	C	L	0.45	25.0	C	L	0.45	25.0	C											
Westbound	T	0.61	23.7	C	T	0.61	23.7	C	T	---	---	---	T	---	---	---	T	0.51	19.8	B	T	---	---	---	T	---	---	---	T	---	---	---	T	---	---	---	T	---	---	---	T	---	---	---	T	---	---	---											
Westbound	R	0.19	17.3	B	R	0.19	17.3	B	R	---	---	---	R	---	---	---	R	0.17	15.9	B	R	---	---	---	R	---	---	---	R	---	---	---	R	---	---	---	R	---	---	---	R	---	---	---	R	---	---	---											
Westbound	TR	---	---	---	TR	---	---	---	TR	0.66	21.3	C	TR	0.66	21.3	C	TR	---	---	---	TR	---	---	---	TR	0.64	22.6	C	TR	0.64	22.6	C	TR	0.69	25.3	C	TR	0.69	25.3	C	TR	0.59	22.6	C	TR	0.59	22.6	C											
Northbound	L	0.75	54.8	D	L	0.80	61.1	E+	L	0.52	30.4	C	L	0.55	32.1	C	L	0.63	46.5	D	L	0.69	51.9	D	L	0.61	43.3	D	L	0.64	45.9	D	L	0.48	36.1	D	L	0.52	37.9	D	L	0.44	34.4	C	L	0.46	35.1	D											
Northbound	T	0.56	37.4	D	T	0.61	39.5	D	T	0.36	23.8	C	T	0.38	24.2	C	T	0.76	52.3	D	T	0.81	57.8	E+	T	0.37	32.3	C	T	0.38	32.5	C	T	0.34	30.4	C	T	0.38	31.0	C	T	0.27	29.2	C	T	0.28	29.3	C											
Northbound	R	0.50	35.9	D	R	0.50	35.9	D	R	0.34	24.2	C	R	0.34	24.2	C	R	0.60	40.3	D	R	0.60	40.3	D	R	0.37	33.1	C	R	0.37	33.1	C	R	0.34	30.9	C	R	0.34	30.9	C	R	0.40	32.3	C	R	0.40	32.3	C											
Southbound	L	0.34	32.4	C	L	0.36	32.9	C	L	0.37	26.1	C	L	0.38	26.6	C	L	0.61	45.2	D	L	0.63	47.0	D	L	0.43	36.5	D	L	0.43	36.8	D	L	0.40	34.1	C	L	0.42	34.8	C	L	0.38	33.0	C	L	0.38	33.1	C											
Southbound	T	0.48	33.4	C	T	0.52	34.4	C	T	0.38	24.2	C	T	0.43	25.1	C	T	0.47	34.5	C	T	0.53	36.0	D	T	0.35	32.0	C	T	0.40	33.0	C	T	0.35	30.5	C	T	0.40	31.6	C	T	0.29	29.5	C	T	0.32	30.0	C											
Southbound	R	0.57	37.8	D	R	0.63	40.6	D	R	0.36	24.6	C	R	0.40	25.4	C	R	0.52	37.2	D	R	0.58	39.3	D	R	0.58	39.5	D	R	0.61	40.6	D	R	0.40	32.3	C	R	0.44	33.1	C	R	0.43	33.1	C	R	0.45	33.5	C											
Intersection		39.1		D	Intersection		39.8		D	Intersection		26.9		C	Intersection		27.1		C	Intersection		33.4		C	Intersection		34.6		C	Intersection		32.6		C	Intersection		32.9		C	Intersection		31.2		C	Intersection		31.5		C	Intersection		29.7		C	Intersection		29.8		C
Reservoir Avenue and West 197th Street																																																											
Eastbound	Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				LTR	0.21	15.5	B	LTR	0.21	15.5	B	Not Analyzed				Not Analyzed				LTR	0.18	15.1	B	LTR	0.18	15.1	B											
LTR																									0.17	1.7	A	LTR	0.17	1.0	A	LTR									0.10	3.7	A	LTR	0.10	2.0	A												
TR																									0.15	37.9	D	TR	0.16	33.7	C	Not Analyzed									Not Analyzed				TR	0.09	33.3	C	TR	0.09	29.8	C							
LT																									0.29	21.8	C	LT	0.30	21.9	C														LT	0.21	20.7	C	LT	0.21	20.8	C							
Intersection																						Intersection		22.0		C	Intersection		21.0		C									Intersection		20.0		C	Intersection		19.2		B										
Reservoir Avenue/Goulden Avenue and Strong Street																																																											
Eastbound	LR	0.46	33.3	C	LR	0.46	33.3	C	LR	0.18	26.5	C	LR	0.18	26.5	C	LR	0.27	28.2	C	LR	0.27	28.2	C	LR	0.23	27.3	C	LR	0.23	27.3	C	LR	0.22																									

Table D-3

2032 No Action and With Action Conditions Traffic Level of Service Analysis

Intersection	Weekday AM								Weekday Midday								Weekday PM								Weekday Evening								Saturday Midday/Afternoon								Saturday Evening																		
	2032 No Action				2032 With Action				2032 No Action				2032 With Action				2032 No Action				2032 With Action				2032 No Action				2032 With Action				2032 No Action				2032 With Action				2032 No Action				2032 With Action														
	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS											
Jerome Avenue and Morris Avenue																																																											
Westbound	LTR	0.09	29.2	C	LTR	0.09	29.2	C	LTR	0.12	24.1	C	LTR	0.12	24.1	C	LTR	0.14	29.9	C	LTR	0.14	29.9	C	LTR	0.20	25.3	C	LTR	0.20	25.3	C	LTR	0.12	24.1	C	LTR	0.12	24.1	C	LTR	0.17	24.7	C	LTR	0.17	24.7	C											
Northbound	LT	0.34	13.2	B	LT	0.40	13.7	B	LT	0.32	12.8	B	LT	0.39	15.3	B	LT	0.48	6.2	A	LT	0.55	6.3	A	LT	0.44	15.7	B	LT	0.53	17.5	B	LT	0.37	21.7	C	LT	0.44	21.4	C	LT	0.29	20.1	C	LT	0.36	20.5	C											
Southbound	TR	0.41	7.9	A	TR	0.47	9.1	A	TR	0.41	8.7	A	TR	0.46	9.4	A	TR	0.47	10.7	B	TR	0.52	12.1	B	TR	0.45	8.5	A	TR	0.87	25.4	C	TR	0.43	8.0	A	TR	0.50	9.8	A	TR	0.35	7.5	A	TR	0.92	32.8	C											
Intersection		11.5		B	Intersection		12.3		B	Intersection		11.7		B	Intersection		13.1		B	Intersection		10.6		B	Intersection		13.6		B	Intersection		22.7		C	Intersection		15.2		B	Intersection		15.9		B	Intersection		14.9		B	Intersection		29.0		C					
Jerome Avenue and East 196th Street																																																											
Westbound	LR	0.30	30.9	C	LR	0.31	31.2	C	LR	0.29	26.5	C	LR	0.30	26.8	C	LR	0.38	23.8	C	LR	0.39	23.9	C	LR	0.39	28.2	C	LR	0.39	28.3	C	LR	0.34	27.4	C	LR	0.35	27.5	C	LR	0.25	25.8	C	LR	0.25	25.8	C											
Northbound	TR	0.56	17.6	B	TR	0.63	19.4	B	TR	0.51	9.0	A	TR	0.59	12.8	B	TR	0.65	21.3	C	TR	0.74	22.4	C	TR	0.65	13.3	B	TR	0.76	15.3	B	TR	0.58	20.0	C	TR	0.67	15.6	B	TR	0.45	11.3	B	TR	0.52	13.1	B											
Southbound	LT	0.56	15.5	B	LT	0.64	16.9	B	LT	0.57	19.7	B	LT	0.64	21.9	C	LT	0.72	44.6	D	LT	0.84	51.8	D	LT	0.66	24.6	C	LT	1.17	108.6	F+	LT	0.57	19.1	B	LT	0.66	21.7	C	LT	0.52	20.9	C	LT	1.14	91.6	F+											
Intersection		18.9		B	Intersection		20.1		C	Intersection		16.7		B	Intersection		19.0		B	Intersection		31.3		C	Intersection		34.7		C	Intersection		20.6		C	Intersection		64.9		E	Intersection		21.0		C	Intersection		20.1		C	Intersection		63.1		E					
Jerome Avenue and East 195th Street																																																											
Eastbound	LR	0.67	52.3	D	LR	1.02	105.2	F+	LR	0.34	35.0	D	LR	0.66	42.6	D	LR	0.65	50.3	D	LR	1.11	130.2	F+	LR	0.46	31.8	C	LR	0.74	40.5	D	LR	0.50	33.5	C	LR	0.86	54.9	D	LR	0.45	26.7	C	LR	0.69	17.7	B											
Northbound	LT	0.80	30.3	C	LT	1.12	98.3	F+	LT	0.64	15.2	B	LT	0.88	28.7	C	LT	0.79	39.0	D	LT	1.04	80.9	F+	LT	0.91	34.6	C	LT	14.58	6140.0	F+	LT	0.80	24.2	C	LT	1.08	65.5	E+	LT	0.43	17.6	B	LT	12.74	5302.0	F+											
Southbound	TR	0.83	29.3	C	TR	0.95	43.9	D	TR	0.81	24.0	C	TR	0.98	48.3	D	TR	0.90	38.9	D	TR	1.08	81.3	F+	TR	0.88	29.9	C	TR	1.70	332.7	F+	TR	0.72	37.0	D	TR	0.89	51.5	D	TR	0.62	12.2	B	TR	1.54	260.6	F+											
Intersection		34.5		C	Intersection		76.0		E	Intersection		22.2		C	Intersection		40.5		D	Intersection		41.3		D	Intersection		93.9		F	Intersection		31.9		C	Intersection		2619.9		F	Intersection		31.4		C	Intersection		57.2		E	Intersection		16.9		B	Intersection		2341.3		F
Jerome Avenue and West Kingsbridge Road/East Kingsbridge Road																																																											
Eastbound	DefL	---	---	---	DefL	---	---	---	DefL	---	---	---	DefL	---	---	---	DefL	---	---	---	DefL	---	---	---	DefL	---	---	---	DefL	---	---	---	DefL	---	---	---	DefL	---	---	---	DefL	---	---	---	DefL	---	---	---	DefL	1.13	172.8	F+							
Eastbound	TR	---	---	---	TR	---	---	---	TR	---	---	---	TR	---	---	---	TR	---	---	---	TR	---	---	---	TR	---	---	---	TR	---	---	---	TR	---	---	---	TR	---	---	---	TR	---	---	---	TR	---	---	---	TR	1.02	76.8	E+							
Eastbound	LTR	1.04	83.9	F	LTR	1.08	96.0	F+	LTR	0.82	37.7	D	LTR	0.84	39.9	D	LTR	1.14	116.3	F	LTR	1.17	129.6	F+	LTR	1.04	75.5	E	LTR	1.27	167.0	F+	LTR	1.13	109.1	F	LTR	1.18	129.4	F+	LTR	0.80	36.4	D	LTR	---	---	---											
Westbound	LTR	0.82	24.7	C	LTR	0.92	33.2	C	LTR	0.62	18.3	B	LTR	0.70	21.7	C	LTR	0.75	46.8	D	LTR	0.82	52.2	D	LTR	0.77	25.7	C	LTR	1.77	383.0	F+	LTR	0.72	21.8	C	LTR	0.80	26.4	C	LTR	0.58	16.5	B	LTR	1.93	452.2	F+											
Northbound	LTR	0.84	57.7	E	LTR	0.88	63.7	E+	LTR	0.90	59.3	E	LTR	0.95	69.2	E+	LTR	0.82	53.2	D	LTR	0.87	59.9	E+	LTR	0.91	60.2	E	LTR	1.13	120.1	F+	LTR	1.03	89.4	F	LTR	1.13	124.7	F+	LTR	0.75	41.3	D	LTR	1.03	85.4	F+											
Southbound	LTR	1.17	125.6	F	LTR	1.44	235.0	F+	LTR	1.04	93.5	F	LTR	1.40	227.1	F+	LTR	1.04	89.3	F	LTR	1.40	224.2	F+	LTR	1.04	86.7	F	LTR	1.63	325.2	F+	LTR	1.02	76.0	E	LTR	1.37	204.4	F+	LTR	0.88	46.9	D	LTR	1.32	171.9	F+											
Intersection		67.7		E	Intersection		97.5		F	Intersection		47.3		D	Intersection		80.6		F	Intersection		80.8		F	Intersection		114.6		F	Intersection		60.2		E	Intersection		266.6		F	Intersection		73.5		E	Intersection		113.0		F	Intersection		33.6		C	Intersection		251.2		F
Morris Avenue and East Kingsbridge Road																																																											
Eastbound	LT	0.57	4.9	A	LT	0.59	5.8	A	LT	0.43	5.6	A	LT	0.46	6.6	A	LT	0.57	8.6	A	LT	0.61	11.2	B	LT	0.50	4.7	A	LT	0.56	6.3	A	LT	0.49	6.5	A	LT	0.51	7.2	A	LT	0.43	7.3	A	LT	0.49	8.0	A											
Westbound	TR	0.48	6.5	A	TR	0.51	6.6	A	TR	0.35	3.3	A	TR	0.37	3.3	A	TR	0.45	5.7	A	TR	0.47	5.9	A	TR	0.48	4.0	A	TR	0.70	5.8	A	TR	0.38	3.6	A	TR	0.40	3.6	A	TR	0.34	4.3	A	TR	0.59	4.5	A											
Northbound	LTR	0.14	26.7	C	LTR	0.14	26.7	C	LTR	0.20	21.8	C	LTR	0.20	21.8	C	LTR	0.20	27.6	C	LTR	0.20	27.6	C	LTR	0.11	20.6	C	LTR	0.11	20.6	C	LTR	0.11	20.7	C	LTR	0.11	20.7	C	LTR	0.13	20.8	C	LTR	0.13	20.8	C											
Intersection		6.7		A	Intersection		7.2		A	Intersection		6.0		A	Intersection		6.4		A	Intersection		8.6		A	Intersection		9.8		A	Intersection		5.0		A	Intersection		6.5		A	Intersection		5.7		A	Intersection		6.1		A	Intersection		6.5		A					
Creston Avenue and East Kingsbridge Road																																																											
Eastbound	TR	0.47	17.0	B	TR	0.49	16.7	B	TR	0.40	6.9	A	TR	0.43	6.8	A	TR	0.45	5.5	A	TR	0.48	5.6	A	TR	0.43	7.7	A	TR	0.46	7.7	A	TR	0.40	7.9	A	TR	0.42	7.6	A	TR	0.34	5.6	A	TR	0.37	6.6	A											
Westbound	LT	0.44	16.6	B	LT	0.47	17.1	B	LT	0.34	15.9	B	LT	0.36	16.2	B	LT	0.41	18.4	B	LT	0.43	19.0	B	LT	0.44	17.2	B	LT	0.64	20.7	C	LT	0.37	16.3	B	LT	0.39	16.5	B	LT	0.29	15.4	B	LT	0.55	18.8	B											
Southbound	LTR	0.32	33.2	C	LTR	0.33	33.3	C	LTR	0.29	25.3	C	LTR	0.29	25.3	C	LTR	0.33	33.2	C	LTR	0.33	33.3	C	LTR	0.29	25.2	C	LTR	0.29	25.2	C	LTR	0.29	25.2	C	LTR	0.29	25.3	C	LTR	0.35	26.2	C	LTR	0.35	26.2	C											
Intersection		18.4		B	Intersection		18.4		B	Intersection		12.6		B	Intersection		12.6		B	Intersection		13.8		B	Intersection		14.0		B	Intersection		13.6		B	Intersection		15.8		B	Intersection		13.2		B	Intersection		13.1		B	Intersection		12.4		B	Intersection		15.2		B
Grand Concourse and East 198th Street																																																											
Eastbound	TR	0.29	45.6	D	TR	0.37	47.4	D	TR	0.22	30.0	C	TR	0.30	31.6	C	TR	0.23	15.3	B	TR	0.33	17.4	B	TR	0.18	30.8	C	TR	0.30	33.0	C	TR	0.21	29.9	C	TR	0.30	31.5	D	TR	0.20	29.6	C	TR	0.30	31.5	C											
Westbound	TR	0.54	33.9	C	TR	0.59	34.7	C	TR	0.48	44.9	D	TR	0.53	46.7	D	TR	0.47	37.5	D	TR	0.53	39.1	D	TR	0.42	35.1	D	TR	1.10	101.6	F+	TR	0.50	41.8	D	TR	0.59	45.4	D	TR	0.51	43.1	D	TR	1.38	225.5	F+											
Northbound	L	0.22	31.8	C	L	0.22	31.9	C	L	0.21	67.7	E	L	0.21	66.6	E	L	0.26	86.8	F	L	0.26	87.2	F	L	0.31	90.7	F	L	0.31	91.1	F	L	0.31	70.0	E	L	0.31	69.1	E	L	0.31	72.2	E	L	0.31	71.8	E											
Northbound	T	0.24	38.5	D	T	0.24	38.5	D	T	0.27	11.9	B	T	0.27	12.0	B	T	0.56	3.2	A	T	0.56	3.2	A	T	0.46	2.8	A	T	0.46	2.8	A	T	0.29	11.9	B	T	0.29	12.1	B	T	0.28	11.4	B	T	0.28	11.4	B											
Northbound	TR	0.42	38.2	D	TR	0.42	38.2	D	TR	0.46	20.6	C	TR	0.46	20.8	C	TR	0.60	20.9	C	TR	0.60	20.8	C	TR	0.50	14.7	B	TR	0.50	14.7	B	TR	0.48																									

Table D-3

2032 No Action and With Action Conditions Traffic Level of Service Analysis

Intersection	Weekday AM								Weekday Midday								Weekday PM								Weekday Evening								Saturday Midday/Afternoon								Saturday Evening																														
	2032 No Action				2032 With Action				2032 No Action				2032 With Action				2032 No Action				2032 With Action				2032 No Action				2032 With Action				2032 No Action				2032 With Action																																		
	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS	Lane Group	v/c Ratio	Delay (sec)	LOS																											
Valentine Avenue and East 198th Street																																																																							
Eastbound	TR	0.33	7.9	A	TR	0.38	7.5	A	TR	0.26	15.5	B	TR	0.32	16.7	B	TR	0.29	21.0	C	TR	0.36	22.9	C	TR	0.27	23.5	C	TR	0.36	25.5	C	TR	0.26	15.2	B	TR	0.32	16.4	B	TR	0.22	15.2	B	TR	0.30	17.0	B																							
Westbound	LT	0.61	20.1	C	LT	0.65	21.5	C	LT	0.48	16.2	B	LT	0.51	17.0	B	LT	0.56	18.4	B	LT	0.60	19.6	B	LT	0.48	16.8	B	LT	0.99	55.0	D	LT	0.56	18.8	B	LT	0.62	20.5	C	LT	0.58	19.1	B	LT	1.30	167.5	F+																							
Southbound	LTR	0.51	16.8	B	LTR	0.51	16.8	B	LTR	0.36	14.2	B	LTR	0.36	14.2	B	LTR	0.51	16.9	B	LTR	0.51	16.9	B	LTR	0.51	16.8	B	LTR	0.51	16.8	B	LTR	0.59	19.0	B	LTR	0.59	19.0	B	LTR	0.53	17.2	B	LTR	0.53	17.2	B																							
Intersection				16.1	B	Intersection				16.3	B	Intersection				15.3	B	Intersection				16.0	B	Intersection				18.3	B	Intersection				19.4	B	Intersection				18.2	B	Intersection				39.0	D	Intersection				18.2	B	Intersection				19.0	B	Intersection				17.6	B	Intersection				109.6	F
Valentine Avenue/East Kingsbridge Road and East 192nd Street (West)																																																																							
Eastbound	TR	0.45	40.1	D	TR	0.45	40.1	D	TR	0.44	35.6	D	TR	0.44	35.6	D	TR	0.45	39.3	D	TR	0.45	39.3	D	TR	0.39	33.5	C	TR	0.39	33.5	C	TR	0.71	47.5	D	TR	0.71	47.5	D	TR	0.61	40.9	D	TR	0.61	40.9	D																							
Westbound	L	0.04	79.5	E	L	0.04	78.3	E	L	0.03	60.8	E	L	0.03	58.8	E	L	0.05	61.9	E	L	0.05	62.9	E	L	0.08	55.1	E	L	0.08	52.2	D	L	0.04	53.9	D	L	0.04	54.8	D	L	0.03	57.5	E	L	0.03	52.1	D																							
Northbound	R	0.07	5.9	A	R	0.07	5.9	A	R	0.09	5.6	A	R	0.09	5.6	A	R	0.09	6.0	A	R	0.09	6.0	A	R	0.07	5.4	A	R	0.07	5.4	A	R	0.13	5.8	A	R	0.13	5.8	A	R	0.08	5.5	A	R	0.08	5.5	A																							
Southbound	LT	0.12	2.4	A	LT	0.12	2.3	A	LT	0.12	0.8	A	LT	0.12	0.8	A	LT	0.15	0.9	A	LT	0.15	0.9	A	LT	0.09	0.2	A	LT	0.09	0.2	A	LT	0.12	6.5	A	LT	0.12	7.1	A	LT	0.10	0.7	A	LT	0.10	0.7	A																							
Intersection				18.7	B	Intersection				18.6	B	Intersection				15.3	B	Intersection				15.3	B	Intersection				14.3	B	Intersection				16.9	B	Intersection				16.8	B	Intersection				24.4	C	Intersection				24.6	C	Intersection				21.7	C	Intersection				21.6	C						
Valentine Avenue/East Kingsbridge Road and East 192nd Street (East)																																																																							
Eastbound	LR	0.22	14.7	B	LR	0.22	14.7	B	LR	0.24	13.4	B	LR	0.24	13.4	B	LR	0.23	17.4	B	LR	0.23	17.4	B	LR	0.22	10.3	B	LR	0.22	10.2	B	LR	0.30	12.2	B	LR	0.30	12.2	B	LR	0.24	10.8	B	LR	0.24	10.8	B																							
Northbound	LT	0.37	30.4	C	LT	0.40	31.0	C	LT	0.20	31.6	C	LT	0.23	32.1	C	LT	0.21	21.1	C	LT	0.23	21.3	C	LT	0.26	19.3	B	LT	0.51	23.0	C	LT	0.25	19.2	B	LT	0.27	19.4	B	LT	0.23	19.0	B	LT	0.57	24.0	C																							
Southbound	TR	0.30	9.2	A	TR	0.32	9.1	A	TR	0.25	9.6	A	TR	0.27	9.2	A	TR	0.29	12.3	B	TR	0.32	12.0	B	TR	0.26	8.9	A	TR	0.30	8.2	A	TR	0.24	34.2	C	TR	0.26	34.4	C	TR	0.20	11.9	B	TR	0.23	11.0	B																							
Intersection				19.0	B	Intersection				19.3	B	Intersection				16.7	B	Intersection				17.0	B	Intersection				16.1	B	Intersection				15.9	B	Intersection				12.6	B	Intersection				15.6	B	Intersection				23.1	C	Intersection				23.5	C	Intersection				14.1	B	Intersection				18.1	B
Elm Place/Bainbridge Avenue/East Kingsbridge Road and East Fordham Road																																																																							
Eastbound	LTR	---	---	---	LTR	---	---	---	LTR	---	---	---	LTR	---	---	---	LTR	---	---	---	LTR	---	---	---	LTR	0.83	24.3	C	LTR	0.83	24.3	C	LTR	0.84	25.3	C	LTR	0.84	25.7	C	LTR	0.76	20.3	C	LTR	0.76	20.3	C																							
Eastbound	LT	0.81	22.9	C	LT	0.81	22.9	C	LT	0.81	25.6	C	LT	0.81	26.2	C	LT	0.72	18.4	B	LT	---	---	---	LT	---	---	---	LT	---	---	---	LT	---	---	---	LT	---	---	---	LT	---	---	---	LT	---	---	---	LT	---	---	---																			
Eastbound	R	0.02	7.9	A	R	0.02	7.9	A	R	0.07	11.2	B	R	0.07	11.2	B	R	0.07	8.5	A	R	---	---	---	R	---	---	---	R	---	---	---	R	---	---	---	R	---	---	---	R	---	---	---	R	---	---	---	R	---	---	---																			
Westbound	T	1.09	85.4	F	T	1.09	85.4	F	T	0.93	43.5	D	T	0.98	51.5	D	T	1.09	84.1	F	T	1.09	86.8	F	T	1.10	87.6	F	T	1.10	89.9	F	T	0.96	42.2	D	T	0.98	46.2	D	T	1.07	76.1	E	T	1.07	77.7	E																							
Westbound	R	1.11	106.0	F	R	1.20	138.9	F+	R	0.23	21.4	C	R	0.23	21.4	C	R	1.22	157.6	F	R	1.31	191.5	F+	R	1.15	129.7	F	R	2.00	490.4	F+	R	0.24	16.5	B	R	0.24	16.5	B	R	1.14	121.6	F	R	2.23	590.0	F+																							
Southbound	L	1.13	149.1	F	L	1.24	189.4	F+	L	1.09	150.1	F	L	1.18	182.3	F+	L	0.69	72.8	E	L	0.77	79.6	E+	L	1.30	236.6	F	L	1.54	334.6	F+	L	1.06	142.4	F	L	1.14	170.0	F+	L	1.24	215.6	F	L	1.42	283.2	F+																							
Southbound	LT	0.78	51.3	D	LT	0.81	56.9	E+	LT	0.42	44.4	D	LT	0.47	45.6	D	LT	0.70	73.2	E	LT	0.78	81.1	F+	LT	0.64	55.0	E	LT	0.71	59.5	E	LT	0.64	55.3	E	LT	0.67	56.8	E	LT	0.48	48.1	D	LT	0.53	50.0	D																							
Intersection				69.2	E	Intersection				78.5	E	Intersection				44.3	D	Intersection				51.4	D	Intersection				68.6	E	Intersection				75.7	E	Intersection				77.1	E	Intersection				163.8	F	Intersection				42.3	D	Intersection				46.6	D	Intersection				70.4	E	Intersection				198.4	F
East Kingsbridge Road/East 194th Street and Valentine Avenue																																																																							
Eastbound	T	0.21	36.5	D	T	0.21	36.4	D	T	0.18	29.5	C	T	0.18	29.5	C	T	0.29	37.6	D	T	0.29	37.4	D	T	0.32	31.6	C	T	0.32	31.6	C	T	0.27	30.7	C	T	0.27	30.7	C	T	0.30	31.2	C	T	0.30	31.2	C																							
Eastbound	R	0.74	53.4	D	R	0.80	58.2	E	R	0.63	41.0	D	R	0.71	45.3	D	R	0.69	50.9	D	R	0.78	56.8	E+	R	0.76	48.5	D	R	0.91	67.0	E+	R	0.72	45.6	D	R	0.79	50.8	D	R	0.56	38.1	D	R	0.68	43.5	D																							
Eastbound	R	0.32	39.3	D	R	0.32	39.4	D	R	0.47	35.5	D	R	0.48	35.6	D	R	0.39	39.6	D	R	0.39	39.4	D	R	0.36	32.8	C	R	0.36	32.8	C	R	0.40	33.3	C	R	0.40	33.3	C	R	0.25	30.6	C	R	0.25	30.6	C																							
Northbound	L	1.08	89.1	F	L	1.17	121.6	F+	L	1.09	106.0	F	L	1.22	154.5	F+	L	1.10	105.1	F	L	1.19	138.3	F+	L	1.08	94.9	F	L	2.07	501.7	F+	L	1.09	95.7	F	L	1.16	118.9	F+	L	1.08	100.4	F	L	2.63	755.3	F+																							
Northbound	R	---	---	---	R	---	---	---	R	0.19	3.2	A	R	0.19	5.2	A	R	0.17	6.5	A	R	0.17	6.2	A	R	0.12	6.3	A	R	0.12	19.8	B	R	---	---	---	R	---	---	---	R	0.20	7.0	A	R	0.20	20.4	C																							
Northbound	LTR	0.71	19.8	B	LTR	0.75	22.3	C	LTR	---	---	---	LTR	---	---	---	LTR	---	---	---	LTR	---	---	---	LTR	---	---	---	LTR	---	---	---	LTR	0.36	9.2	A	LTR	0.37	11.1	B	LTR	---	---	---	LTR	---	---	---																							
Southbound	L	0.20	31.7	C	L	0.20	31.7	C	L	0.16	21.2	C	L	0.16	21.2	C	L	0.17	31.1	C	L	0.17	31.1	C	L	0.12	20.7	C	L	0.12	20.7	C	L	0.18	21.5	C	L	0.18	21.5	C	L	0.17	21.3	C	L	0.17	21.3	C																							
Southbound	TR	0.66	53.8	D	TR	0.66	53.8	D	TR	0.68	47.5	D	TR	0.68	47.5	D	TR	0.72	57.1	E	TR	0.72	57.1	E	TR	0.61	43.5	D	TR	0.61	43.5	D	TR	0.67	45.8	D	TR	0.67	45.8	D	TR	0.63	44.1	D	TR	0.63	44.1	D																							
Intersection				55.5	E	Intersection				66.5	E	Intersection				58.3	E	Intersection				76.4	E	Intersection				61.5	E	Intersection				72.7	E	Intersection				58.0	E	Intersection				255.9	F	Intersection				54.9	D	Intersection				64.0	E	Intersection				55.1	E	Intersection				399.8	F
Heath Avenue and West Kingsbridge Road																																																																							
Eastbound	TR	0.52	10.4	B	TR	0.55	11.0	B	TR	0.37	15.1	B	TR	0.39	15.4	B	TR	0.51	16.3	B	TR	0.53	16.7	B	TR	0.50	17.0	B	TR	0.61	19.0	B	TR	0.45	16.2	B	TR	0.47	16.5	B	TR	0.41	15.7	B	TR	0.55	17.7	B																							
Westbound	LT	0.55	2.0	A	LT	0.57	2.0	A	LT	0.42	17.2	B	LT	0.45	17.6	B	LT	0.48	37.4	D	LT	0.51	37.1	D	LT	0.39	16.2	B	LT	0.41	16.6	B	LT	0.42	16.8	B	LT	0.44	17.3	B	LT	0.36	16.0	B	LT	0.38	16.5	B																							
Northbound	LTR	0.16	30.8	C	LTR	0.16	30.8	C	LTR	0.11	24.4	C	LTR	0.11	24.4	C	LTR	0.13	30.1	C	LTR	0.13	30.1	C	LTR	0.11	24.3	C	LTR	0.11	24.3	C	LTR	0.09	24.1	C	LTR	0.09	24.1	C	LTR	0.09	24.0	C	LTR	0.09	24.0	C																							
Southbound	LTR	0.66	44.8	D	LTR	0.66	44.8	D	LTR	0.50	31.8	C	LTR	0.50	31.8	C	LTR	0.46	37.0	D	LTR	0.46	37.0	D	LTR	0.46	30.5	C	LTR	0.46	30.5	C	LTR	0.63	36.4	D	LTR	0.63	36.4	D	LTR	0.52	32.2	C	LTR	0.52	32.2	C																							
Intersection				12.2	B	Intersection				12.3	B	Intersection				18.7	B	Intersection				18.8	B	Intersection				27.9	C	Intersection				28.0	C	Intersection				18.6	B	Intersection				19.6	B	Intersection				19.8	B	Intersection				20.0	C	Intersection				18.5	B	Intersection					

### Table D-3

## 2032 No Action and With Action Conditions Traffic Level of Service Analysis

Intersection	Weekday AM								Weekday Midday								Weekday PM								Weekday Evening								Saturday Midday/Afternoon								Saturday Evening							
	2032 No Action				2032 With Action				2032 No Action				2032 With Action				2032 No Action				2032 With Action				2032 No Action				2032 With Action				2032 No Action				2032 With Action											
	Lane Group	v/c	Delay (sec)	LOS	Lane Group	v/c	Delay (sec)	LOS	Lane Group	v/c	Delay (sec)	LOS	Lane Group	v/c	Delay (sec)	LOS	Lane Group	v/c	Delay (sec)	LOS	Lane Group	v/c	Delay (sec)	LOS	Lane Group	v/c	Delay (sec)	LOS	Lane Group	v/c	Delay (sec)	LOS	Lane Group	v/c	Delay (sec)	LOS	Lane Group	v/c	Delay (sec)	LOS	Lane Group	v/c	Delay (sec)	LOS				
Cedar Avenue and West Fordham Road																																																
Eastbound	Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				Not Analyzed				TR	0.71	16.2	B	TR	0.94	13.2	B	Not Analyzed				Not Analyzed				TR	0.60	13.3	B	TR	0.89	30.8	C
Westbound																									LT	0.76	19.9	B	LT	0.87	24.0	C									LT	0.62	21.9	C	LT	0.66	22.4	C
Northbound																									LTR	0.41	38.7	D	LTR	0.41	38.7	D									LTR	0.49	46.1	D	LTR	0.49	46.1	D
Southbound																									LTR	0.56	42.3	D	LTR	0.56	42.3	D									LTR	0.47	44.3	D	LTR	0.47	44.3	D
																Intersection		20.6		C		Intersection		19.9		B						Intersection		20.3		C		Intersection		28.8		C						
Unsignalized Intersections																																																
Reservoir Avenue/Grand Avenue and West Kingsbridge Road																																																
Eastbound	LTR	0.38	11.2	B	LTR	0.76	38.1	E+	LTR	0.15	4.6	A	LTR	0.30	8.3	A	LTR	0.27	7.2	A	LTR	0.49	14.5	B	LTR	0.14	4.2	A	LTR	1.17	116.4	F+	LTR	0.17	4.9	A	LTR	0.39	11.0	B	LTR	0.13	4.1	A	LTR	1.38	197.5	F+
Westbound	LTR	0.03	1.0	A	LTR	0.03	1.0	A	LTR	0.06	2.2	A	LTR	0.06	2.2	A	LTR	0.08	3.0	A	LTR	0.08	2.9	A	LTR	0.07	2.4	A	LTR	0.05	1.8	A	LTR	0.10	3.4	A	LTR	0.10	3.3	A	LTR	0.06	2.3	A	LTR	0.06	2.2	A
Marion Avenue and East 198th Street																																																
Eastbound	TR	---	9.2	A	TR	---	9.7	A	TR	---	8.5	A	TR	---	8.9	A	TR	---	9.0	A	TR	---	9.5	A	TR	---	8.2	A	TR	---	9.7	A	TR	---	8.3	A	TR	---	8.8	A	TR	---	8.3	A	TR	---	10.3	B
Westbound	LT	---	8.9	A	LT	---	9.1	A	LT	---	8.7	A	LT	---	8.9	A	LT	---	9.9	A	LT	---	10.1	B	LT	---	9.0	A	LT	---	10.1	B	LT	---	8.9	A	LT	---	9.1	A	LT	---	8.8	A	LT	---	10.4	B
Southbound	LTR	---	11.2	B	LTR	---	11.9	B	LTR	---	9.7	A	LTR	---	10.1	B	LTR	---	13.3	B	LTR	---	14.6	B	LTR	---	9.8	A	LTR	---	15.6	C	LTR	---	9.9	A	LTR	---	10.6	B	LTR	---	10.1	B	LTR	---	29.0	D
Briggs Avenue and East 198th Street																																																
Eastbound	LT	---	8.8	A	LT	---	9.1	A	LT	---	8.1	A	LT	---	8.4	A	LT	---	8.1	A	LT	---	8.4	A	LT	---	8.2	A	LT	---	9.2	A	LT	---	8.5	A	LT	---	8.8	A	LT	---	8.3	A	LT	---	9.5	A
Westbound	TR	---	9.2	A	TR	---	9.5	A	TR	---	8.7	A	TR	---	9.0	A	TR	---	8.7	A	TR	---	9.0	A	TR	---	8.2	A	TR	---	12.5	B	TR	---	8.6	A	TR	---	9.0	A	TR	---	8.9	A	TR	---	21.2	C
Northbound	LTR	---	9.0	A	LTR	---	9.2	A	LTR	---	8.2	A	LTR	---	8.3	A	LTR	---	8.5	A	LTR	---	8.7	A	LTR	---	8.4	A	LTR	---	9.6	A	LTR	---	8.7	A	LTR	---	8.9	A	LTR	---	8.7	A	LTR	---	10.4	B
Bainbridge Avenue and East 198th Street																																																
Eastbound	LT	---	9.7	A	LT	---	10.2	B	LT	---	8.7	A	LT	---	9.1	A	LT	---	8.4	A	LT	---	8.8	A	LT	---	8.4	A	LT	---	9.5	A	LT	---	8.7	A	LT	---	9.1	A	LT	---	8.6	A	LT	---	10.1	B
Westbound	TR	---	9.5	A	TR	---	9.9	A	TR	---	8.7	A	TR	---	9.1	A	TR	---	8.8	A	TR	---	9.1	A	TR	---	8.4	A	TR	---	13.8	B	TR	---	8.6	A	TR	---	9.1	A	TR	---	8.9	A	TR	---	24.7	C
Northbound	LTR	---	11.1	B	LTR	---	11.4	B	LTR	---	9.8	A	LTR	---	10.1	B	LTR	---	8.9	A	LTR	---	9.2	A	LTR	---	8.9	A	LTR	---	10.5	B	LTR	---	9.6	A	LTR	---	10.0	A	LTR	---	9.9	A	LTR	---	13.0	B
Creston Avenue and East 198th Street																																																
Westbound	LT	0.01	1.8	A	LT	0.02	1.5	A	LT	0.02	2.1	A	LT	0.02	1.8	A	LT	0.02	2.2	A	LT	0.02	1.9	A	LT	0.03	2.8	A	LT	0.03	1.0	A	LT	0.03	2.9	A	LT	0.04	2.4	A	LT	0.04	3.2	A	LT	0.04	1.2	A
Southbound	LTR	0.09	11.0	B	LTR	0.09	11.6	B	LTR	0.08	10.8	B	LTR	0.09	11.4	B	LTR	0.12	12.0	B	LTR	0.13	13.0	B	LTR	0.14	11.6	B	LTR	0.20	15.6	C	LTR	0.12	11.4	B	LTR	0.13	12.2	B	LTR	0.06	11.2	B	LTR	0.11	16.5	C
Notes:																																																
L = Left Turn, T = Through, R = Right Turn, LOS = Level of Service, DefL = Defacto Left Turn, + Denotes significant adverse traffic impact.																																																

**Transit**

## Transit Tables

Table D-4a  
Existing Conditions  
Level of Service Summary—Subway Station Stair Analysis  
Kingsbridge Road Station (No. 4 Train)

Subway Stair	Location	Actual Width (ft)	Effective Width (ft)	Peak Hour Volumes		Peak 15-Minute Volumes		Friction Factor	Surge Factor		V/C Ratio	LOS
				In to Station	Out from Station	In to Station	Out from Station		In to Station	Out from Station		
Weekday AM Peak Hour												
S1/M1	Stair from Street Level to R290 free zone (South)	5.00	4.00	360	117	113	37	90%	90%	80%	0.32	A
S3	Stair from Street Level to R290 free zone (North)	5.00	4.00	229	224	72	70	90%	90%	80%	0.31	A
P1/P3	Platform Stair	5.00	4.00	643	51	201	16	90%	80%	75%	0.50	B
P2/P4	Platform Stair	5.00	4.00	22	275	7	86	90%	80%	75%	0.23	A
P5/P7	Platform Stair	5.00	4.00	424	111	133	35	90%	80%	75%	0.39	A
P6/P8	Platform Stair	5.00	4.00	52	350	16	109	90%	80%	75%	0.31	A
Weekday PM Peak Hour												
S1/M1	Stair from Street Level to R290 free zone (South)	5.00	4.00	209	242	65	76	90%	90%	80%	0.31	A
S3	Stair from Street Level to R290 free zone (North)	5.00	4.00	99	108	31	34	90%	90%	80%	0.14	A
P1/P3	Platform Stair	5.00	4.00	302	18	94	6	90%	80%	75%	0.23	A
P2/P4	Platform Stair	5.00	4.00	18	365	6	114	100%	80%	75%	0.27	A
P5/P7	Platform Stair	5.00	4.00	176	47	55	15	90%	80%	75%	0.16	A
P6/P8	Platform Stair	5.00	4.00	35	470	11	147	90%	80%	75%	0.39	A
Weekday Evening Peak Hour												
S1/M1	Stair from Street Level to R290 free zone (South)	5.00	4.00	111	168	35	53	90%	90%	80%	0.19	A
S3	Stair from Street Level to R290 free zone (North)	5.00	4.00	54	66	17	21	90%	90%	80%	0.08	A
P1/P3	Platform Stair	5.00	4.00	132	9	41	3	90%	80%	75%	0.10	A
P2/P4	Platform Stair	5.00	4.00	12	200	4	63	90%	80%	75%	0.16	A
P5/P7	Platform Stair	5.00	4.00	110	38	34	12	90%	80%	75%	0.11	A
P6/P8	Platform Stair	5.00	4.00	21	310	7	97	90%	80%	75%	0.26	A
Saturday Evening Peak Hour												
S1/M1	Stair from Street Level to R290 free zone (South)	5.00	4.00	91	97	28	30	90%	90%	80%	0.13	A
S3	Stair from Street Level to R290 free zone (North)	5.00	4.00	14	41	4	13	90%	90%	80%	0.04	A
P1/P3	Platform Stair	5.00	4.00	92	10	29	3	90%	80%	75%	0.07	A
P2/P4	Platform Stair	5.00	4.00	10	143	3	45	90%	80%	75%	0.12	A
P5/P7	Platform Stair	5.00	4.00	69	19	22	6	90%	80%	75%	0.07	A
P6/P8	Platform Stair	5.00	4.00	22	228	7	71	90%	80%	75%	0.19	A

**Table D-4b**  
**Existing Conditions**  
**Level of Service Summary—Subway Station Stair Analysis**  
**Kingsbridge Road Station (B/D Trains)**

Subway Stair	Location	Actual Width (ft)	Effective Width (ft)	Peak Hour Volumes		Peak 15-Minute Volumes		Friction Factor	Surge Factor		V/C Ratio	LOS
				In to Station	Out from Station	In to Station	Out from Station		In to Station	Out from Station		
Weekday AM Peak Hour												
S7	Stair from Street Level to Fare Control	6.08	5.08	108	78	34	24	90%	90%	90%	0.09	A
M2A/B	Stair from Street Level to Fare Control	9.67	8.42	108	78	34	24	90%	90%	80%	0.06	A
M2A/B	Stair from Street Level to Fare Control	13.92	12.67	108	78	34	24	90%	90%	80%	0.04	A
M6/M7	Stair for Downtown Platform	6.08	5.08	143	12	45	4	90%	80%	75%	0.09	A
M8/M9	Stair for Uptown Platform	5.67	4.67	1	60	0	19	100%	80%	75%	0.04	A
M10/M11	Stair for Downtown Platform	6.17	5.17	254	7	79	2	100%	80%	75%	0.13	A
M12/M13	Stair for Uptown Platform	5.75	4.75	13	42	4	13	90%	80%	75%	0.03	A
M14/M15	Stair for Downtown Platform	5.88	4.88	12	27	4	8	90%	80%	75%	0.02	A
M16/M17	Stair for Uptown Platform	5.83	4.83	5	60	2	19	90%	80%	75%	0.04	A
Weekday PM Peak Hour												
S7	Stair from Street Level to Fare Control	6.08	5.08	71	99	22	31	90%	90%	90%	0.09	A
M2A/B	Stair from Street Level to Fare Control	9.67	8.42	71	99	22	31	90%	90%	80%	0.06	A
M2A/B	Stair from Street Level to Fare Control	13.92	12.67	71	99	22	31	90%	90%	80%	0.04	A
M6/M7	Stair for Downtown Platform	6.08	5.08	49	12	15	4	90%	80%	75%	0.04	A
M8/M9	Stair for Uptown Platform	5.67	4.67	3	108	1	34	100%	80%	75%	0.07	A
M10/M11	Stair for Downtown Platform	6.17	5.17	109	10	34	3	90%	80%	75%	0.07	A
M12/M13	Stair for Uptown Platform	5.75	4.75	15	97	5	30	90%	80%	75%	0.07	A
M14/M15	Stair for Downtown Platform	5.88	4.88	8	12	3	4	90%	80%	75%	0.01	A
M16/M17	Stair for Uptown Platform	5.83	4.83	9	138	3	43	90%	80%	75%	0.09	A
Weekday Evening Peak Hour												
S7	Stair from Street Level to Fare Control	6.08	5.08	30	63	9	20	90%	90%	90%	0.05	A
M2A/B	Stair from Street Level to Fare Control	9.67	8.42	30	63	9	20	90%	90%	80%	0.03	A
M2A/B	Stair from Street Level to Fare Control	13.92	12.67	30	63	9	20	90%	90%	80%	0.02	A
M6/M7	Stair for Downtown Platform	6.08	5.08	35	10	11	3	90%	80%	75%	0.03	A
M8/M9	Stair for Uptown Platform	5.67	4.67	5	65	2	20	90%	80%	75%	0.05	A
M10/M11	Stair for Downtown Platform	6.17	5.17	58	11	18	3	90%	80%	75%	0.04	A
M12/M13	Stair for Uptown Platform	5.75	4.75	9	63	3	20	90%	80%	75%	0.05	A
M14/M15	Stair for Downtown Platform	5.88	4.88	4	9	1	3	90%	80%	75%	0.01	A
M16/M17	Stair for Uptown Platform	5.83	4.83	3	91	1	28	100%	80%	75%	0.05	A
Saturday Evening Peak Hour												
S7	Stair from Street Level to Fare Control	6.08	5.08	100	92	31	29	90%	90%	90%	0.10	A
M2A/B	Stair from Street Level to Fare Control	9.67	8.42	100	92	31	29	90%	90%	80%	0.06	A
M2A/B	Stair from Street Level to Fare Control	13.92	12.67	100	92	31	29	90%	90%	80%	0.04	A
M6/M7	Stair for Downtown Platform	6.08	5.08	75	4	23	1	100%	80%	75%	0.04	A
M8/M9	Stair for Uptown Platform	5.67	4.67	4	55	1	17	90%	80%	75%	0.04	A
M10/M11	Stair for Downtown Platform	6.17	5.17	110	5	34	2	90%	80%	75%	0.06	A
M12/M13	Stair for Uptown Platform	5.75	4.75	9	36	3	11	90%	80%	75%	0.03	A
M14/M15	Stair for Downtown Platform	5.88	4.88	6	13	2	4	90%	80%	75%	0.01	A
M16/M17	Stair for Uptown Platform	5.83	4.83	1	178	0	56	100%	80%	75%	0.10	A

**Table D-5a**

**Existing Conditions**

**Level of Service Summary—Subway Station Fare Control Analysis**  
**Kingsbridge Road Station (No. 4 Train)**

Fare Control Elements	Quantity	Capacity		Peak Hour Volumes		Peak 15-Minute Volumes		Friction Factor	Surge Factor Out	V/C Ratio	LOS
		In to Station	Out from Station	In to Station	Out from Station	In to Station	Out from Station				
Weekday AM Peak Hour											
Northwest corner of East Kingsbridge Road and Jerome Avenue (R290)											
Two-Way Turnstiles	5	2,100	3,225	1,143	791	357	247	0.90	0.80	0.30	A
Weekday PM Peak Hour											
Northwest corner of East Kingsbridge Road and Jerome Avenue (R290)											
Two-Way Turnstiles	5	2,100	3,225	505	853	158	267	0.90	0.80	0.20	A
Weekday Evening Peak Hour											
Northwest corner of East Kingsbridge Road and Jerome Avenue (R290)											
Two-Way Turnstiles	5	2,100	3,225	256	534	80	167	0.90	0.80	0.11	A
Saturday Evening Peak Hour											
Northwest corner of East Kingsbridge Road and Jerome Avenue (R290)											
Two-Way Turnstiles	5	2,100	3,225	174	389	54	122	0.90	0.80	0.08	A

**Table D-5b**

**Existing Conditions**

**Level of Service Summary—Subway Station Fare Control Analysis**  
**Kingsbridge Road Station (B/D Trains)**

Fare Control Elements	Quantity	Capacity		Peak Hour Volumes		Volumes		Friction Factor	Surge Factor Out	V/C Ratio	LOS
		In to Station	Out from Station	In to Station	Out from Station	In to Station	Out from Station				
Weekday AM Peak Hour											
Northwest corner of East Kingsbridge Road and Grand Concourse (N220)											
Two-Way Turnstiles	5	2,100	3,225	429	207	134	65	0.90	0.90	0.10	A
Weekday PM Peak Hour											
Northwest corner of East Kingsbridge Road and Grand Concourse (N220)											
Two-Way Turnstiles	5	2,100	3,225	203	388	63	121	0.90	0.90	0.08	A
Weekday Evening Peak Hour											
Northwest corner of East Kingsbridge Road and Grand Concourse (N220)											
Two-Way Turnstiles	5	2,100	3,225	104	255	33	80	0.90	0.90	0.05	A
Saturday Evening Peak Hour											
Northwest corner of East Kingsbridge Road and Grand Concourse (N220)											
Two-Way Turnstiles	5	2,100	3,225	204	313	64	98	0.90	0.90	0.07	A

Table D-6a  
2032 No Action Condition  
Level of Service Summary—Subway Station Stair Analysis  
Kingsbridge Road Station (No. 4 Train)

King George Road Station (10:4 PM)													
Subway Stair	Location	Actual Width (ft)	Effective Width (ft)	Peak Hour Volumes		Peak 15-Minute Volumes		Friction Factor	Surge Factor		V/C Ratio	LOS	
				In to Station	Out from Station	In to Station	Out from Station		In to Station	Out from Station			
Weekday AM Peak Hour													
S1/M1	Stair from Street Level to R290 free zone (South)	5.00	4.00	191	107	60	33	90%	90%	80%	0.20	A	
S3/M3	Stair from Street Level to R290 free zone (North)	5.00	4.00	232	227	73	71	90%	90%	80%	0.31	A	
P1/P3	Platform Stair	5.00	4.00	548	40	171	13	90%	80%	75%	0.43	A	
P2/P4	Platform Stair	5.00	4.00	19	220	6	69	90%	80%	75%	0.18	A	
P5/P7	Platform Stair	5.00	4.00	361	113	113	35	90%	80%	75%	0.35	A	
P6/P8	Platform Stair	5.00	4.00	45	355	14	111	90%	80%	75%	0.31	A	
NW Stair	Platform to Street Stair	5.00	4.00	174	12	54	4	90%	90%	75%	0.12	A	
Weekday PM Peak Hour													
S1/M1	Stair from Street Level to R290 free zone (South)	5.00	4.00	110	242	34	76	90%	90%	80%	0.25	A	
S3/M3	Stair from Street Level to R290 free zone (North)	5.00	4.00	100	110	31	34	90%	90%	80%	0.14	A	
P1/P3	Platform Stair	5.00	4.00	243	14	76	4	100%	80%	75%	0.17	A	
P2/P4	Platform Stair	5.00	4.00	16	286	5	89	100%	80%	75%	0.21	A	
P5/P7	Platform Stair	5.00	4.00	141	48	44	15	90%	80%	75%	0.14	A	
P6/P8	Platform Stair	5.00	4.00	32	477	10	149	90%	80%	75%	0.39	A	
NW Stair	Platform to Street Stair	5.00	4.00	102	4	32	1	100%	90%	75%	0.06	A	
Weekday Evening Peak Hour													
S1/M1	Stair from Street Level to R290 free zone (South)	5.00	4.00	58	169	18	53	90%	90%	80%	0.16	A	
S3/M3	Stair from Street Level to R290 free zone (North)	5.00	4.00	55	67	17	21	90%	90%	80%	0.08	A	
P1/P3	Platform Stair	5.00	4.00	104	7	33	2	90%	80%	75%	0.08	A	
P2/P4	Platform Stair	5.00	4.00	11	160	3	50	90%	80%	75%	0.13	A	
P5/P7	Platform Stair	5.00	4.00	87	39	27	12	90%	80%	75%	0.09	A	
P6/P8	Platform Stair	5.00	4.00	19	315	6	98	90%	80%	75%	0.26	A	
NW Stair	Platform to Street Stair	5.00	4.00	55	2	17	1	90%	90%	75%	0.04	A	
Saturday Evening Peak Hour													
S1/M1	Stair from Street Level to R290 free zone (South)	5.00	4.00	49	96	15	30	90%	90%	80%	0.10	A	
S3/M3	Stair from Street Level to R290 free zone (North)	5.00	4.00	14	42	4	13	90%	90%	80%	0.04	A	
P1/P3	Platform Stair	5.00	4.00	68	8	21	3	90%	80%	75%	0.06	A	
P2/P4	Platform Stair	5.00	4.00	8	104	3	33	90%	80%	75%	0.09	A	
P5/P7	Platform Stair	5.00	4.00	52	19	16	6	90%	80%	75%	0.05	A	
P6/P8	Platform Stair	5.00	4.00	19	231	6	72	90%	80%	75%	0.19	A	
NW Stair	Platform to Street Stair	5.00	4.00	43	2	13	1	90%	90%	75%	0.03	A	

**Table D-6b**  
**2032 No Action Condition**  
**Level of Service Summary—Subway Station Stair Analysis**  
**Kingsbridge Road Station (B/D Trains)**

Subway Stair	Location	Actual Width (ft)	Effective Width (ft)	Peak Hour Volumes		Peak 15-Minute Volumes		Friction Factor	Surge Factor		V/C Ratio	LOS
				In to Station	Out from Station	In to Station	Out from Station		In to Station	Out from Station		
Weekday AM Peak Hour												
S7	Stair from Street Level to Fare Control	6.08	5.08	122	102	38	32	90%	90%	90%	0.11	A
M2A/B	Stair from Street Level to Fare Control	9.67	8.42	122	102	38	32	90%	90%	80%	0.07	A
M2A/B	Stair from Street Level to Fare Control	13.92	12.67	122	102	38	32	90%	90%	80%	0.05	A
M6/M7	Stair for Downtown Platform	6.08	5.08	148	12	46	4	90%	80%	75%	0.09	A
M8/M9	Stair for Uptown Platform	5.67	4.67	1	69	0	22	100%	80%	75%	0.04	A
M10/M11	Stair for Downtown Platform	6.17	5.17	262	7	82	2	100%	80%	75%	0.14	A
M12/M13	Stair for Uptown Platform	5.75	4.75	14	49	4	15	90%	80%	75%	0.04	A
M14/M15	Stair for Downtown Platform	5.88	4.88	16	28	5	9	90%	80%	75%	0.03	A
M16/M17	Stair for Uptown Platform	5.83	4.83	5	69	2	22	90%	80%	75%	0.05	A
Weekday PM Peak Hour												
S7	Stair from Street Level to Fare Control	6.08	5.08	77	156	24	49	90%	90%	90%	0.12	A
M2A/B	Stair from Street Level to Fare Control	9.67	8.42	77	156	24	49	90%	90%	80%	0.08	A
M2A/B	Stair from Street Level to Fare Control	13.92	12.67	77	156	24	49	90%	90%	80%	0.05	A
M6/M7	Stair for Downtown Platform	6.08	5.08	52	13	16	4	90%	80%	75%	0.04	A
M8/M9	Stair for Uptown Platform	5.67	4.67	4	127	1	40	100%	80%	75%	0.08	A
M10/M11	Stair for Downtown Platform	6.17	5.17	112	11	35	3	90%	80%	75%	0.07	A
M12/M13	Stair for Uptown Platform	5.75	4.75	15	113	5	35	90%	80%	75%	0.08	A
M14/M15	Stair for Downtown Platform	5.88	4.88	9	13	3	4	90%	80%	75%	0.01	A
M16/M17	Stair for Uptown Platform	5.83	4.83	9	161	3	50	90%	80%	75%	0.11	A
Weekday Evening Peak Hour												
S7	Stair from Street Level to Fare Control	6.08	5.08	35	111	11	35	90%	90%	90%	0.07	A
M2A/B	Stair from Street Level to Fare Control	9.67	8.42	35	111	11	35	90%	90%	80%	0.05	A
M2A/B	Stair from Street Level to Fare Control	13.92	12.67	35	111	11	35	90%	90%	80%	0.03	A
M6/M7	Stair for Downtown Platform	6.08	5.08	37	11	12	3	90%	80%	75%	0.03	A
M8/M9	Stair for Uptown Platform	5.67	4.67	5	79	2	25	90%	80%	75%	0.06	A
M10/M11	Stair for Downtown Platform	6.17	5.17	61	12	19	4	90%	80%	75%	0.04	A
M12/M13	Stair for Uptown Platform	5.75	4.75	9	77	3	24	90%	80%	75%	0.06	A
M14/M15	Stair for Downtown Platform	5.88	4.88	6	10	2	3	90%	80%	75%	0.01	A
M16/M17	Stair for Uptown Platform	5.83	4.83	3	110	1	34	100%	80%	75%	0.06	A
Saturday Evening Peak Hour												
S7	Stair from Street Level to Fare Control	6.08	5.08	107	129	33	40	90%	90%	90%	0.12	A
M2A/B	Stair from Street Level to Fare Control	9.67	8.42	107	129	33	40	90%	90%	80%	0.08	A
M2A/B	Stair from Street Level to Fare Control	13.92	12.67	107	129	33	40	90%	90%	80%	0.05	A
M6/M7	Stair for Downtown Platform	6.08	5.08	77	4	24	1	100%	80%	75%	0.04	A
M8/M9	Stair for Uptown Platform	5.67	4.67	4	63	1	20	100%	80%	75%	0.04	A
M10/M11	Stair for Downtown Platform	6.17	5.17	114	6	36	2	100%	80%	75%	0.06	A
M12/M13	Stair for Uptown Platform	5.75	4.75	9	42	3	13	90%	80%	75%	0.03	A
M14/M15	Stair for Downtown Platform	5.88	4.88	8	14	3	4	90%	80%	75%	0.01	A
M16/M17	Stair for Uptown Platform	5.83	4.83	1	203	0	63	100%	80%	75%	0.12	A

**Table D-7a**

**2032 No Action Condition**

**Level of Service Summary—Subway Station Fare Control Analysis**  
**Kingsbridge Road Station (No. 4 Train)**

Fare Control Elements	Quantity	Capacity		Peak Hour Volumes		Peak 15-Minute Volumes		Friction Factor	Surge Factor Out	V/C Ratio	LOS
		In to Station	Out from Station	In to Station	Out from Station	In to Station	Out from Station				
Weekday AM Peak Hour											
Northwest corner of East Kingsbridge Road and Jerome Avenue (R290)											
Two-Way Turnstiles	5	2,100	3,225	975	732	305	229	0.90	0.80	0.26	A
Proposed Platform Level Control Area Northwest corner of East Kingsbridge Road and Jerome Avenue											
Two-Way Turnstiles	3	1,260	1,935	174	12	54	4	0.90	0.75	0.05	A
Weekday PM Peak Hour											
Northwest corner of East Kingsbridge Road and Jerome Avenue (R290)											
Two-Way Turnstiles	5	2,100	3,225	405	777	127	243	0.90	0.80	0.17	A
Proposed Platform Level Control Area Northwest corner of East Kingsbridge Road and Jerome Avenue											
Two-Way Turnstiles	3	1,260	1,935	102	4	32	1	1.00	0.75	0.03	A
Weekday Evening Peak Hour											
Northwest corner of East Kingsbridge Road and Jerome Avenue (R290)											
Two-Way Turnstiles	5	2,100	3,225	202	497	63	155	0.90	0.80	0.10	A
Proposed Platform Level Control Area Northwest corner of East Kingsbridge Road and Jerome Avenue											
Two-Way Turnstiles	3	1,260	1,935	55	2	17	1	1.00	0.75	0.01	A
Saturday Evening Peak Hour											
Northwest corner of East Kingsbridge Road and Jerome Avenue (R290)											
Two-Way Turnstiles	5	2,100	3,225	129	352	40	110	0.90	0.80	0.07	A
Proposed Platform Level Control Area Northwest corner of East Kingsbridge Road and Jerome Avenue											
Two-Way Turnstiles	3	1,260	1,935	43	2	13	1	1.00	0.75	0.01	A

**Table D-7b**

**2032 No Action Condition**

**Level of Service Summary—Subway Station Fare Control Analysis**  
**Kingsbridge Road Station (B/D Trains)**

Fare Control Elements	Quantity	Capacity		Peak Hour Volumes		Volumes		Friction Factor	Surge Factor Out	V/C Ratio	LOS
		In to Station	Out from Station	In to Station	Out from Station	In to Station	Out from Station				
Weekday AM Peak Hour											
Northwest corner of East Kingsbridge Road and Grand Concourse (N220)											
Two-Way Turnstiles	5	2,100	3,225	447	233	140	73	0.90	0.90	0.10	A
Weekday PM Peak Hour											
Northwest corner of East Kingsbridge Road and Grand Concourse (N220)											
Two-Way Turnstiles	5	2,100	3,225	211	450	66	141	0.90	0.90	0.09	A
Weekday Evening Peak Hour											
Northwest corner of East Kingsbridge Road and Grand Concourse (N220)											
Two-Way Turnstiles	5	2,100	3,225	111	306	35	96	0.90	0.90	0.06	A
Saturday Evening Peak Hour											
Northwest corner of East Kingsbridge Road and Grand Concourse (N220)											
Two-Way Turnstiles	5	2,100	3,225	212	354	66	111	0.90	0.90	0.08	A

Table D-8a  
2032 With Action Condition  
Level of Service Summary—Subway Station Stair Analysis  
Kingsbridge Road Station (No. 4 Train)

Subway Stair	Location	Actual Width (ft)	Effective Width (ft)	Peak Hour Volumes		Peak 15-Minute Volumes		Friction Factor	Surge Factor		V/C Ratio	LOS
				In to Station	Out from Station	In to Station	Out from Station		In to Station	Out from Station		
Weekday AM Peak Hour												
S1/M1	Stair from Street Level to R290 free zone (South)	5.00	4.00	206	148	64	46	90%	90%	80%	0.24	A
S3/M3	Stair from Street Level to R290 free zone (North)	5.00	4.00	358	301	112	94	90%	90%	80%	0.45	A
P1/P3	Platform Stair	5.00	4.00	618	50	193	16	90%	80%	75%	0.49	B
P2/P4	Platform Stair	5.00	4.00	26	257	8	80	90%	80%	75%	0.22	A
P5/P7	Platform Stair	5.00	4.00	407	135	127	42	90%	80%	75%	0.40	A
P6/P8	Platform Stair	5.00	4.00	63	401	20	125	90%	80%	75%	0.35	A
NW Stair	Platform to Street Stair	5.00	4.00	176	13	55	4	90%	90%	75%	0.12	A
Weekday PM Peak Hour												
S1/M1	Stair from Street Level to R290 free zone (South)	5.00	4.00	142	266	44	83	90%	90%	80%	0.28	A
S3/M3	Stair from Street Level to R290 free zone (North)	5.00	4.00	190	214	59	67	90%	90%	80%	0.28	A
P1/P3	Platform Stair	5.00	4.00	298	22	93	7	90%	80%	75%	0.23	A
P2/P4	Platform Stair	5.00	4.00	28	330	9	103	90%	80%	75%	0.28	A
P5/P7	Platform Stair	5.00	4.00	173	68	54	21	90%	80%	75%	0.18	A
P6/P8	Platform Stair	5.00	4.00	55	533	17	167	90%	80%	75%	0.45	B
NW Stair	Platform to Street Stair	5.00	4.00	117	6	37	2	100%	90%	75%	0.07	A
Weekday Evening Peak Hour												
S1/M1	Stair from Street Level to R290 free zone (South)	5.00	4.00	71	1615	22	505	100%	90%	80%	1.09	D
S3/M3	Stair from Street Level to R290 free zone (North)	5.00	4.00	109	1689	34	528	90%	90%	80%	1.29	D
P1/P3	Platform Stair	5.00	4.00	131	13	41	4	90%	80%	75%	0.10	A
P2/P4	Platform Stair	5.00	4.00	17	1688	5	528	100%	80%	75%	1.18	D
P5/P7	Platform Stair	5.00	4.00	110	46	34	14	90%	80%	75%	0.11	A
P6/P8	Platform Stair	5.00	4.00	30	1842	9	576	100%	80%	75%	1.30	D
NW Stair	Platform to Street Stair	5.00	4.00	62	749	19	234	90%	90%	75%	0.62	B
Saturday Evening Peak Hour												
S1/M1	Stair from Street Level to R290 free zone (South)	5.00	4.00	8	1070	3	334	100%	90%	80%	0.70	C
S3/M3	Stair from Street Level to R290 free zone (North)	5.00	4.00	49	1519	15	475	100%	90%	80%	1.02	D
P1/P3	Platform Stair	5.00	4.00	94	12	29	4	90%	80%	75%	0.08	A
P2/P4	Platform Stair	5.00	4.00	11	1284	3	401	100%	80%	75%	0.90	C
P5/P7	Platform Stair	5.00	4.00	72	22	23	7	90%	80%	75%	0.07	A
P6/P8	Platform Stair	5.00	4.00	27	1411	8	441	100%	80%	75%	1.00	C
NW Stair	Platform to Street Stair	5.00	4.00	45	581	14	182	90%	90%	75%	0.48	B

**Table D-8b**  
**2032 With Action Condition**  
**Level of Service Summary—Subway Station Stair Analysis**  
**Kingsbridge Road Station (B/D Trains)**

Subway Stair	Location	Actual Width (ft)	Effective Width (ft)	Peak Hour Volumes		Peak 15-Minute Volumes		Friction Factor	Surge Factor		V/C Ratio	LOS
				In to Station	Out from Station	In to Station	Out from Station		In to Station	Out from Station		
Weekday AM Peak Hour												
S7	Stair from Street Level to Fare Control	6.08	5.08	199	164	62	51	90%	90%	90%	0.18	A
M2A/B	Stair from Street Level to Fare Control	9.67	8.42	199	164	62	51	90%	90%	80%	0.12	A
M2A/B	Stair from Street Level to Fare Control	13.92	12.67	199	164	62	51	90%	90%	80%	0.08	A
M6/M7	Stair for Downtown Platform	6.08	5.08	170	16	53	5	90%	80%	75%	0.11	A
M8/M9	Stair for Uptown Platform	5.67	4.67	2	86	1	27	100%	80%	75%	0.05	A
M10/M11	Stair for Downtown Platform	6.17	5.17	302	9	94	3	100%	80%	75%	0.16	A
M12/M13	Stair for Uptown Platform	5.75	4.75	23	61	7	19	90%	80%	75%	0.05	A
M14/M15	Stair for Downtown Platform	5.88	4.88	18	38	6	12	90%	80%	75%	0.04	A
M16/M17	Stair for Uptown Platform	5.83	4.83	8	86	3	27	90%	80%	75%	0.06	A
Weekday PM Peak Hour												
S7	Stair from Street Level to Fare Control	6.08	5.08	151	226	47	71	90%	90%	90%	0.19	A
M2A/B	Stair from Street Level to Fare Control	9.67	8.42	151	226	47	71	90%	90%	80%	0.12	A
M2A/B	Stair from Street Level to Fare Control	13.92	12.67	151	226	47	71	90%	90%	80%	0.08	A
M6/M7	Stair for Downtown Platform	6.08	5.08	68	19	21	6	90%	80%	75%	0.05	A
M8/M9	Stair for Uptown Platform	5.67	4.67	6	144	2	45	100%	80%	75%	0.09	A
M10/M11	Stair for Downtown Platform	6.17	5.17	148	16	46	5	90%	80%	75%	0.09	A
M12/M13	Stair for Uptown Platform	5.75	4.75	26	128	8	40	90%	80%	75%	0.10	A
M14/M15	Stair for Downtown Platform	5.88	4.88	12	19	4	6	90%	80%	75%	0.02	A
M16/M17	Stair for Uptown Platform	5.83	4.83	15	182	5	57	90%	80%	75%	0.13	A
Weekday Evening Peak Hour												
S7	Stair from Street Level to Fare Control	6.08	5.08	75	2165	23	677	100%	90%	90%	1.02	D
M2A/B	Stair from Street Level to Fare Control	9.67	8.42	75	2165	23	677	100%	90%	80%	0.69	B
M2A/B	Stair from Street Level to Fare Control	13.92	12.67	75	2165	23	677	100%	90%	80%	0.46	B
M6/M7	Stair for Downtown Platform	6.08	5.08	48	147	15	46	90%	80%	75%	0.12	A
M8/M9	Stair for Uptown Platform	5.67	4.67	8	567	3	177	100%	80%	75%	0.34	A
M10/M11	Stair for Downtown Platform	6.17	5.17	79	162	25	51	90%	80%	75%	0.14	A
M12/M13	Stair for Uptown Platform	5.75	4.75	14	550	4	172	100%	80%	75%	0.33	A
M14/M15	Stair for Downtown Platform	5.88	4.88	7	133	2	42	100%	80%	75%	0.08	A
M16/M17	Stair for Uptown Platform	5.83	4.83	5	794	2	248	100%	80%	75%	0.46	B
Saturday Evening Peak Hour												
S7	Stair from Street Level to Fare Control	6.08	5.08	138	1716	43	536	90%	90%	90%	0.94	C
M2A/B	Stair from Street Level to Fare Control	9.67	8.42	138	1716	43	536	90%	90%	80%	0.63	B
M2A/B	Stair from Street Level to Fare Control	13.92	12.67	138	1716	43	536	90%	90%	80%	0.42	A
M6/M7	Stair for Downtown Platform	6.08	5.08	87	61	27	19	90%	80%	75%	0.09	A
M8/M9	Stair for Uptown Platform	5.67	4.67	6	323	2	101	100%	80%	75%	0.20	A
M10/M11	Stair for Downtown Platform	6.17	5.17	128	78	40	24	90%	80%	75%	0.12	A
M12/M13	Stair for Uptown Platform	5.75	4.75	13	212	4	66	90%	80%	75%	0.15	A
M14/M15	Stair for Downtown Platform	5.88	4.88	9	199	3	62	100%	80%	75%	0.12	A
M16/M17	Stair for Uptown Platform	5.83	4.83	1	1046	0	327	100%	80%	75%	0.60	B

**Table D-9a**  
**2032 With Action Condition**  
**Level of Service Summary—Subway Station Fare Control Analysis**  
**Kingsbridge Road Station (No. 4 Train)**

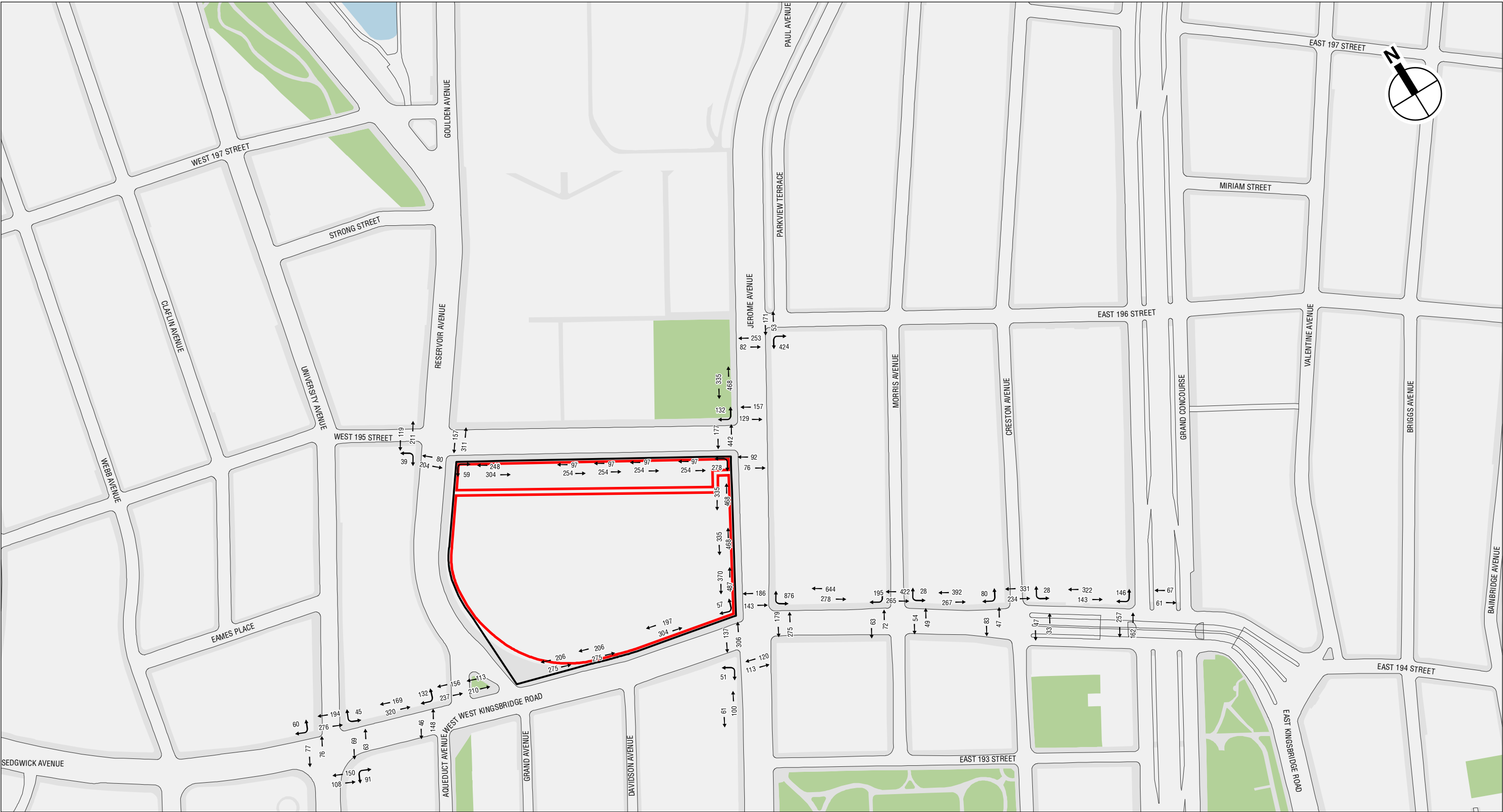
Fare Control Elements	Quantity	Capacity		Peak Hour Volumes		Peak 15-Minute Volumes		Friction Factor	Surge Factor Out	V/C Ratio	LOS
		In to Station	Out from Station	In to Station	Out from Station	In to Station	Out from Station				
Weekday AM Peak Hour											
Northwest corner of East Kingsbridge Road and Jerome Avenue (R290)											
Two-Way Turnstiles	5	2,100	3,225	1,116	847	349	265	0.90	0.80	0.30	A
Proposed Platform Level Control Area Northwest corner of East Kingsbridge Road and Jerome Avenue											
Two-Way Turnstiles	3	1,260	1,935	176	13	55	4	0.90	0.75	0.05	A
Weekday PM Peak Hour											
Northwest corner of East Kingsbridge Road and Jerome Avenue (R290)											
Two-Way Turnstiles	5	2,100	3,225	527	905	165	283	0.90	0.80	0.21	A
Proposed Platform Level Control Area Northwest corner of East Kingsbridge Road and Jerome Avenue											
Two-Way Turnstiles	3	1,260	1,935	117	6	37	2	1.00	0.75	0.03	A
Weekday Evening Peak Hour											
Northwest corner of East Kingsbridge Road and Jerome Avenue (R290)											
Two-Way Turnstiles	5	2,100	3,225	269	3,565	84	1,114	0.90	0.80	0.52	B
Proposed Platform Level Control Area Northwest corner of East Kingsbridge Road and Jerome Avenue											
Two-Way Turnstiles	3	1,260	1,935	62	749	19	234	0.90	0.75	0.20	A
Saturday Evening Peak Hour											
Northwest corner of East Kingsbridge Road and Jerome Avenue (R290)											
Two-Way Turnstiles	5	2,100	3,225	186	2,719	58	850	0.90	0.80	0.40	A
Proposed Platform Level Control Area Northwest corner of East Kingsbridge Road and Jerome Avenue											
Two-Way Turnstiles	3	1,260	1,935	45	581	14	182	0.90	0.75	0.15	A

**Table D-9b**  
**2032 With Action Condition**  
**Level of Service Summary—Subway Station Fare Control Analysis**  
**Kingsbridge Road Station (B/D Trains)**

Fare Control Elements	Quantity	Capacity		Peak Hour Volumes		Volumes		Friction Factor	Surge Factor Out	V/C Ratio	LOS
		In to Station	Out from Station	In to Station	Out from Station	In to Station	Out from Station				
Weekday AM Peak Hour											
Northwest corner of East Kingsbridge Road and Grand Concourse (N220)											
Two-Way Turnstiles	5	2,100	3,225	524	295	164	92	0.90	0.90	0.12	A
Weekday PM Peak Hour											
Northwest corner of East Kingsbridge Road and Grand Concourse (N220)											
Two-Way Turnstiles	5	2,100	3,225	285	520	89	163	0.90	0.90	0.11	A
Weekday Evening Peak Hour											
Northwest corner of East Kingsbridge Road and Grand Concourse (N220)											
Two-Way Turnstiles	5	2,100	3,225	151	2,360	47	738	0.90	0.90	0.31	A
Saturday Evening Peak Hour											
Northwest corner of East Kingsbridge Road and Grand Concourse (N220)											
Two-Way Turnstiles	5	2,100	3,225	243	1,941	76	607	0.90	0.90	0.27	A

# **Pedestrians**

## Pedestrians Figures



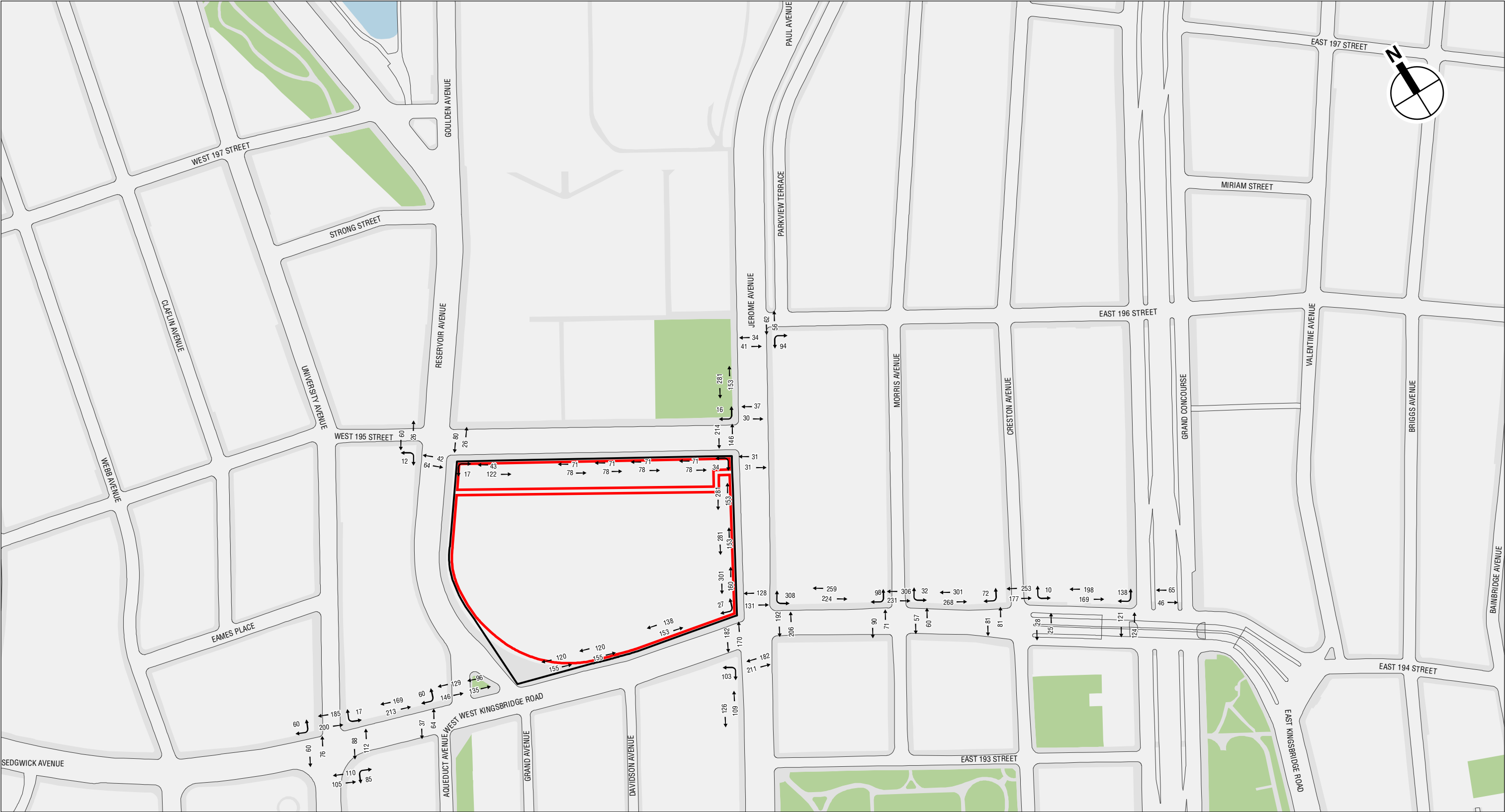
-  Project Site
-  Armory and National Guard Sites

0 500 FEET

NOTE: This figure has been updated for the FEIS.

**KINGSBRIDGE ARMORY REDEVELOPMENT**

Existing Pedestrian Volumes  
Weekday AM Peak Hour  
**Figure D-19**



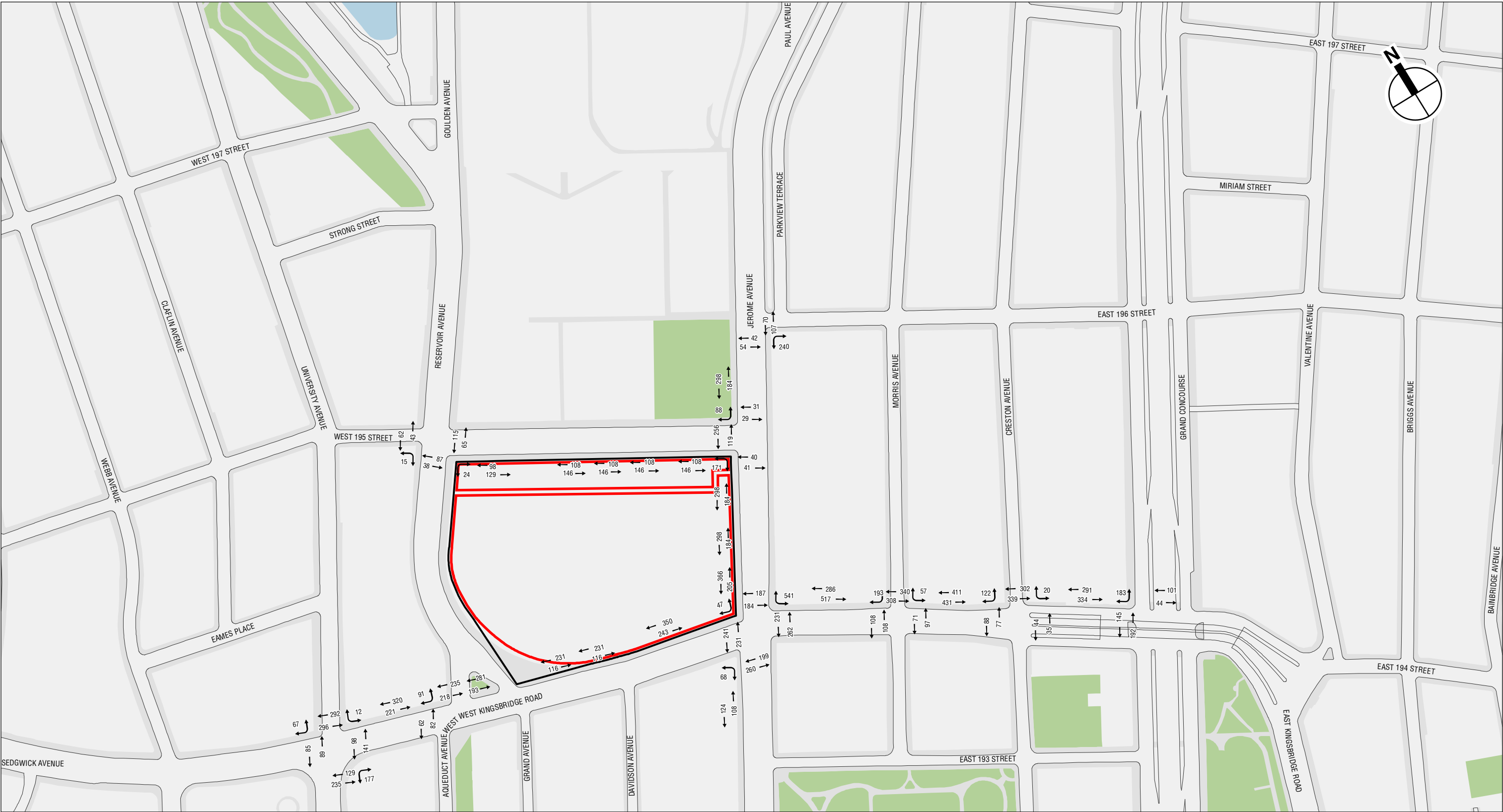
-  Project Site
-  Armory and National Guard Sites

0 500 FEET

NOTE: This figure has been updated for the FEIS.

**KINGSBRIDGE ARMORY REDEVELOPMENT**

Existing Pedestrian Volumes  
Weekday Midday Peak Hour  
**Figure D-20**



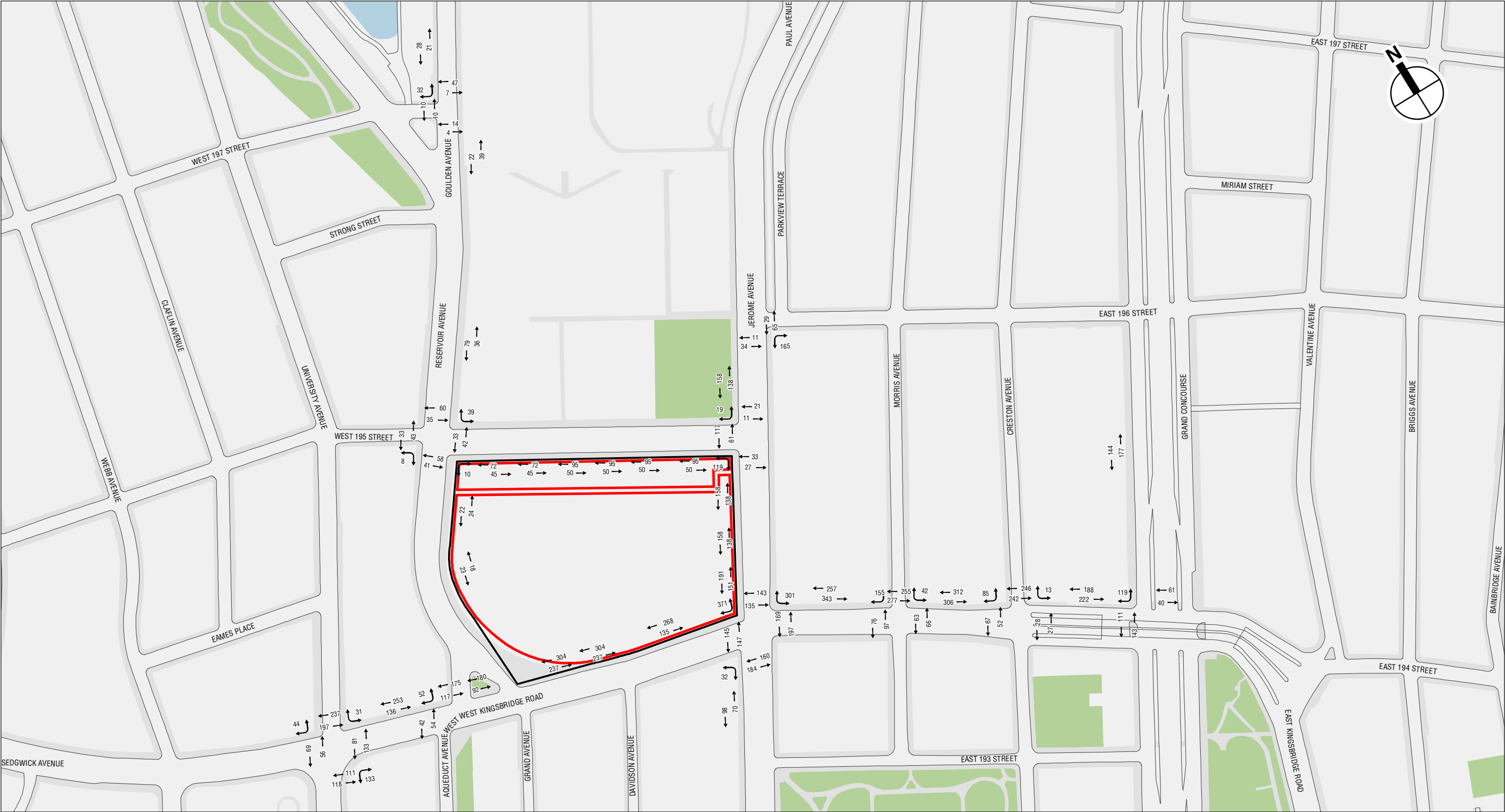
-  Project Site
-  Armory and National Guard Sites

0 500 FEET

NOTE: This figure has been updated for the FEIS.

**KINGSBRIDGE ARMORY REDEVELOPMENT**

Existing Pedestrian Volumes  
Weekday PM Peak Hour  
**Figure D-21**

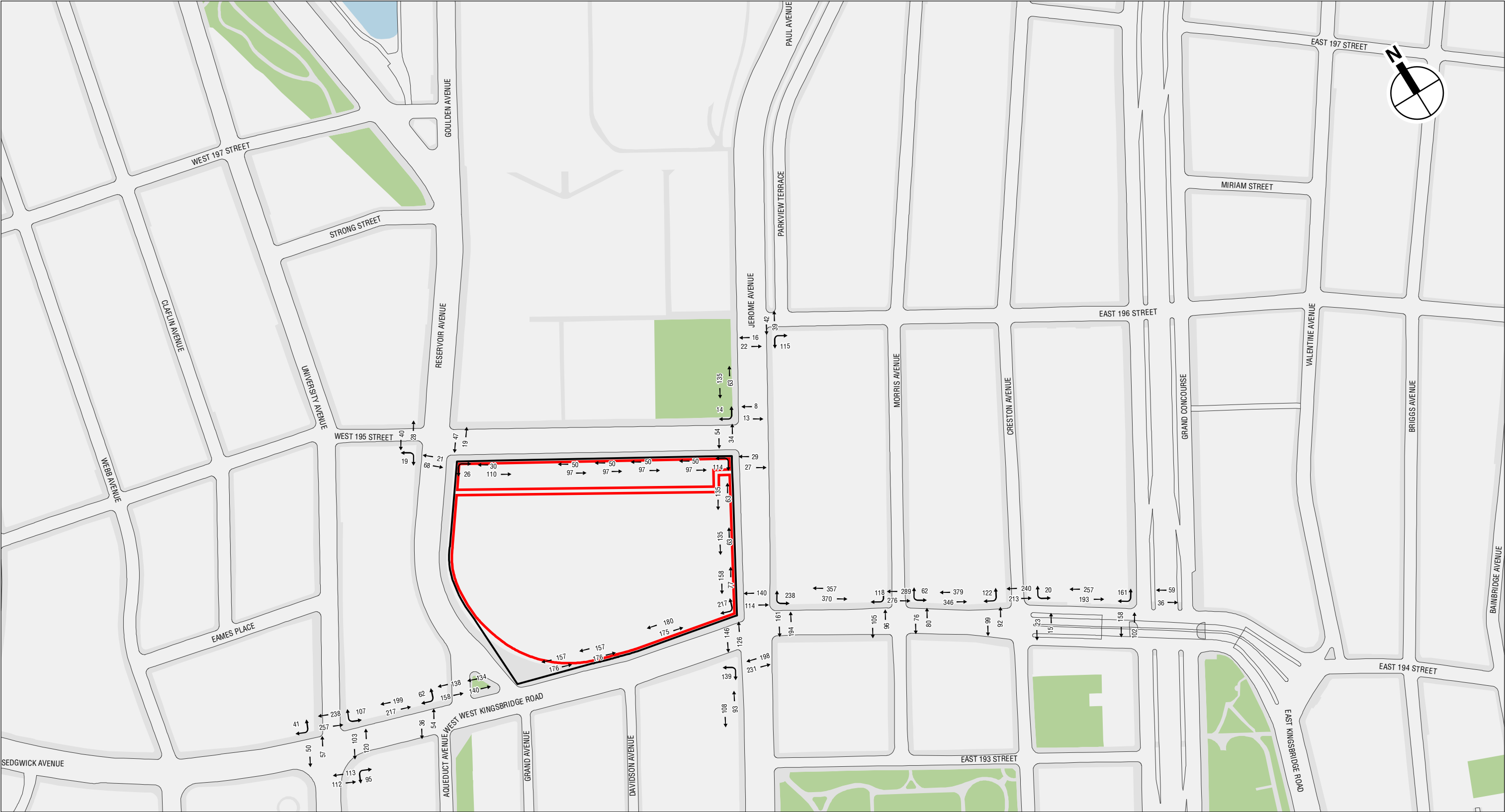


- Project Site
- Armory and National Guard Sites

NOTE: This figure has been updated for the FEIS.

**KINGSBRIDGE ARMORY REDEVELOPMENT**

Existing Pedestrian Volumes  
Weekday Evening Peak Hour  
**Figure D-22**



- Project Site
- Armory and National Guard Sites

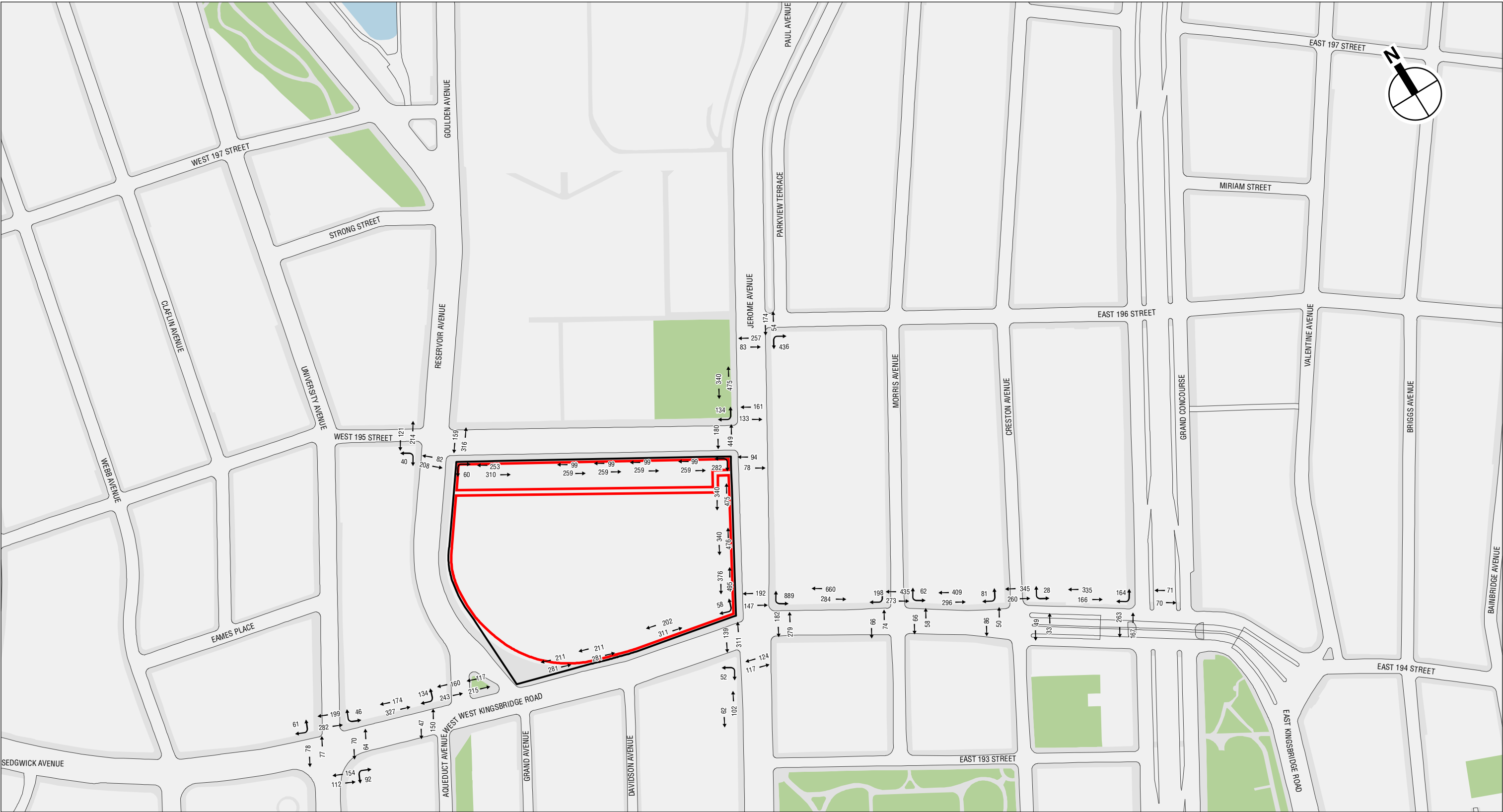
NOTE: This figure has been updated for the FEIS.

**KINGSBRIDGE ARMORY REDEVELOPMENT**

Existing Pedestrian Volumes  
Saturday Midday/Afternoon Peak Hour  
**Figure D-23**

## KINGSBRIDGE ARMORY REDEVELOPMENT

Existing Pedestrian Volumes  
Saturday Evening Peak Hour  
**Figure D-24**

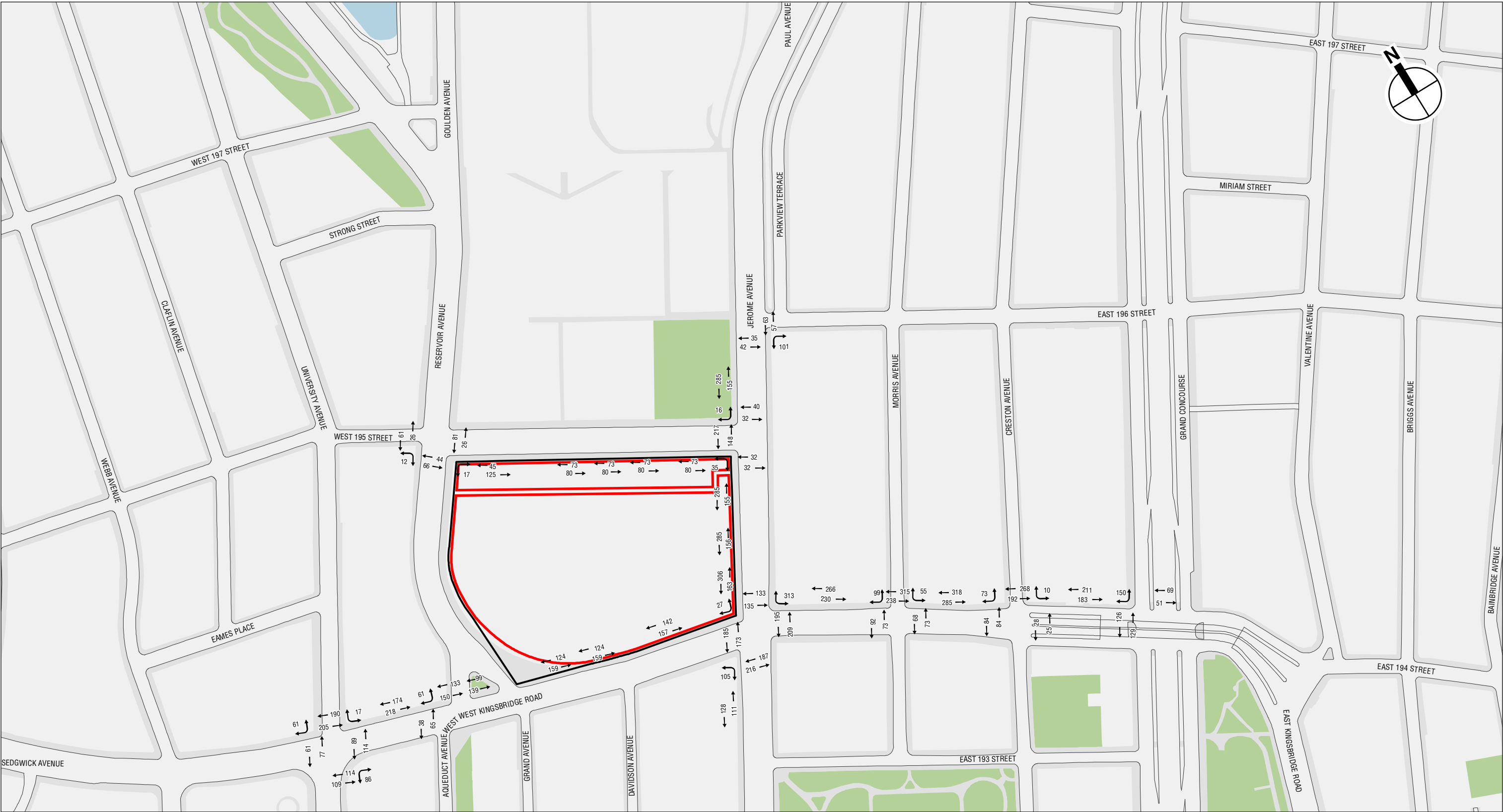


 Project Site  
 Armory and National Guard Sites

NOTE: This figure has been updated for the FEIS.

**KINGSBRIDGE ARMORY REDEVELOPMENT**

2032 No Action Pedestrian Volumes  
Weekday AM Peak Hour  
**Figure D-25**

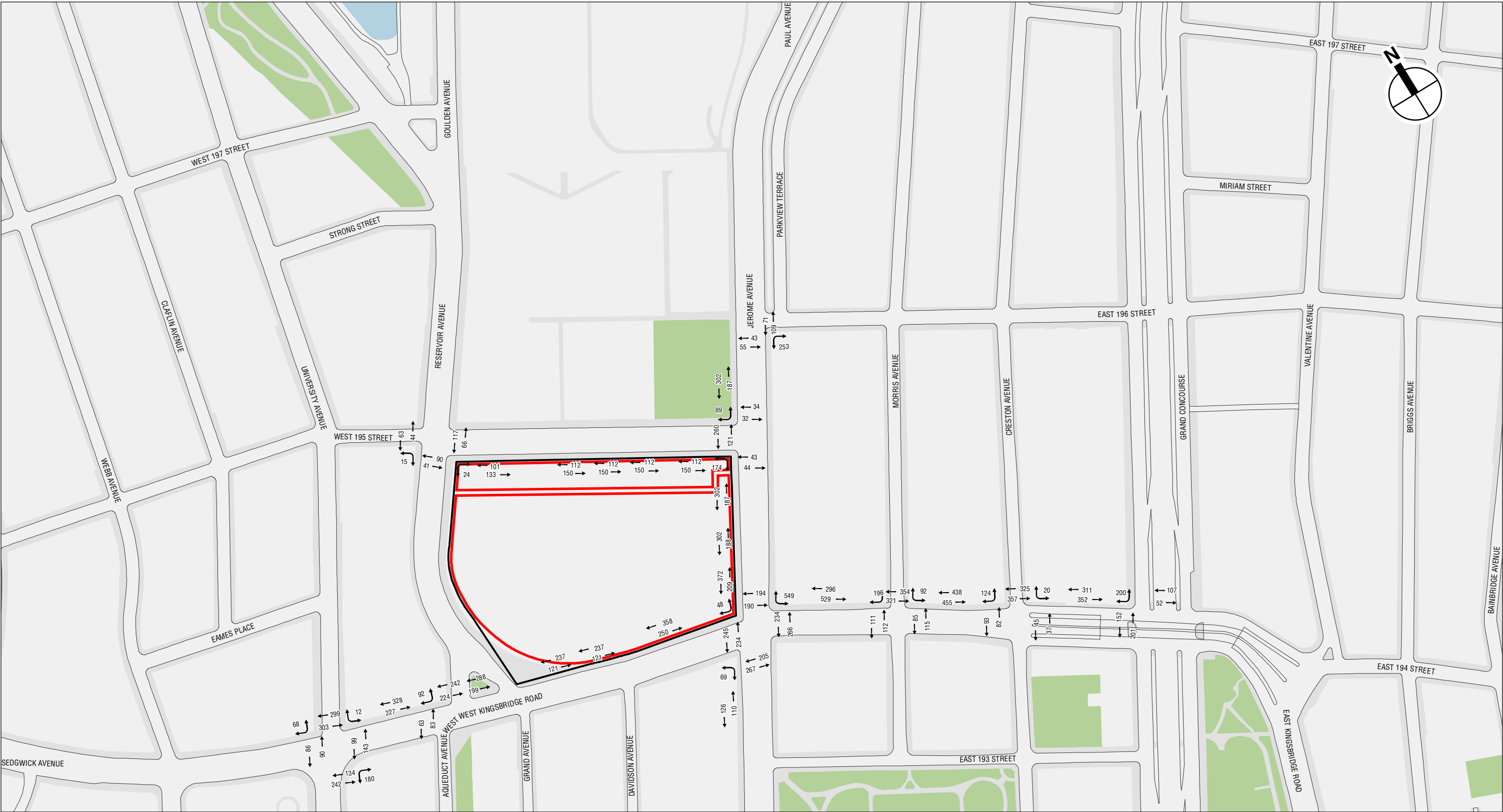


 Project Site  
 Armory and National Guard Sites

NOTE: This figure has been updated for the FEIS.

**KINGSBRIDGE ARMORY REDEVELOPMENT**

2032 No Action Pedestrian Volumes  
Weekday Midday Peak Hour  
**Figure D-26**



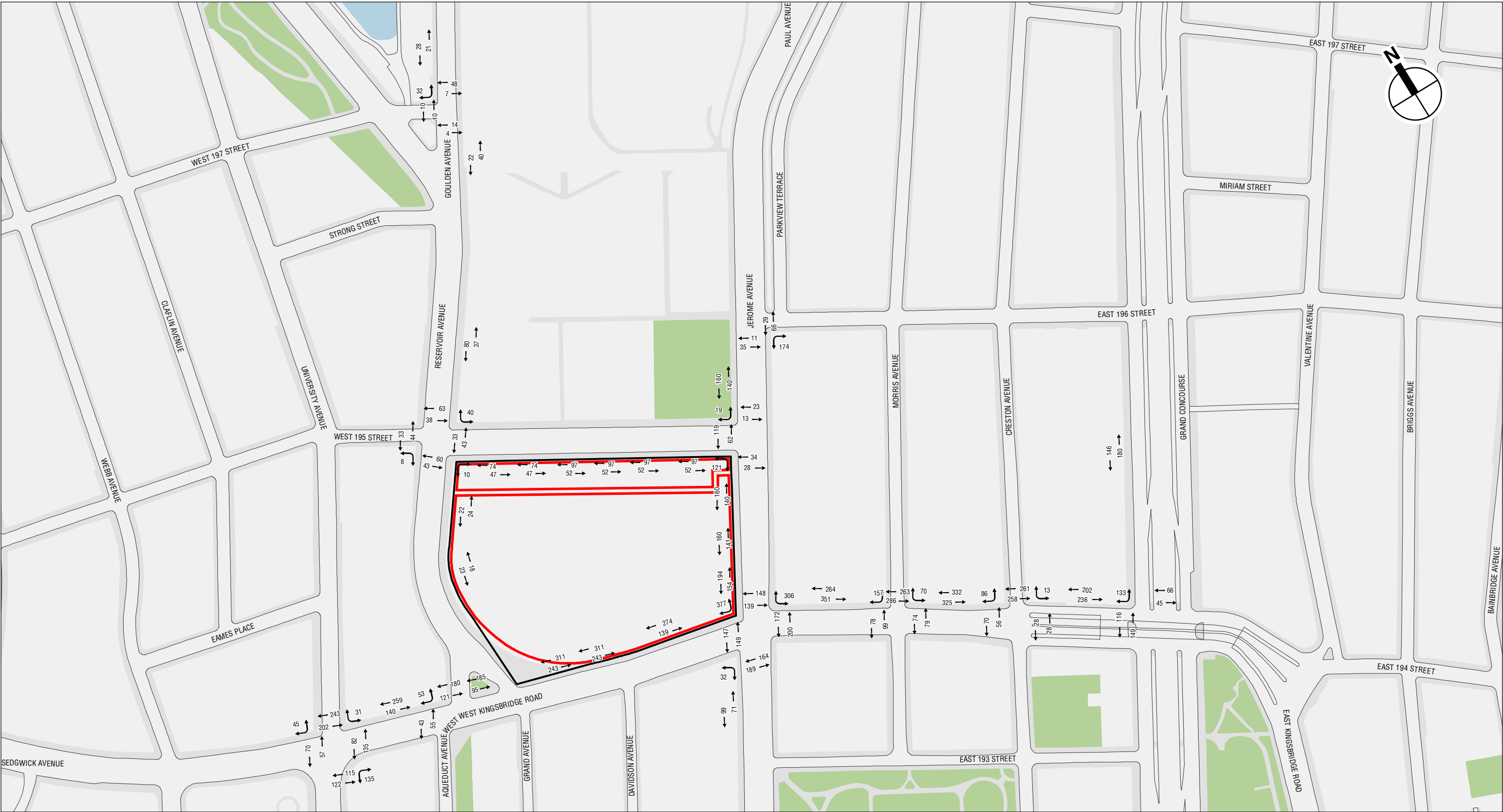
 Project Site  
 Armory and National Guard Sites

0 500 FEET

NOTE: This figure has been updated for the FEIS.

**KINGSBRIDGE ARMORY REDEVELOPMENT**

2032 No Action Pedestrian Volumes  
Weekday PM Peak Hour  
**Figure D-27**

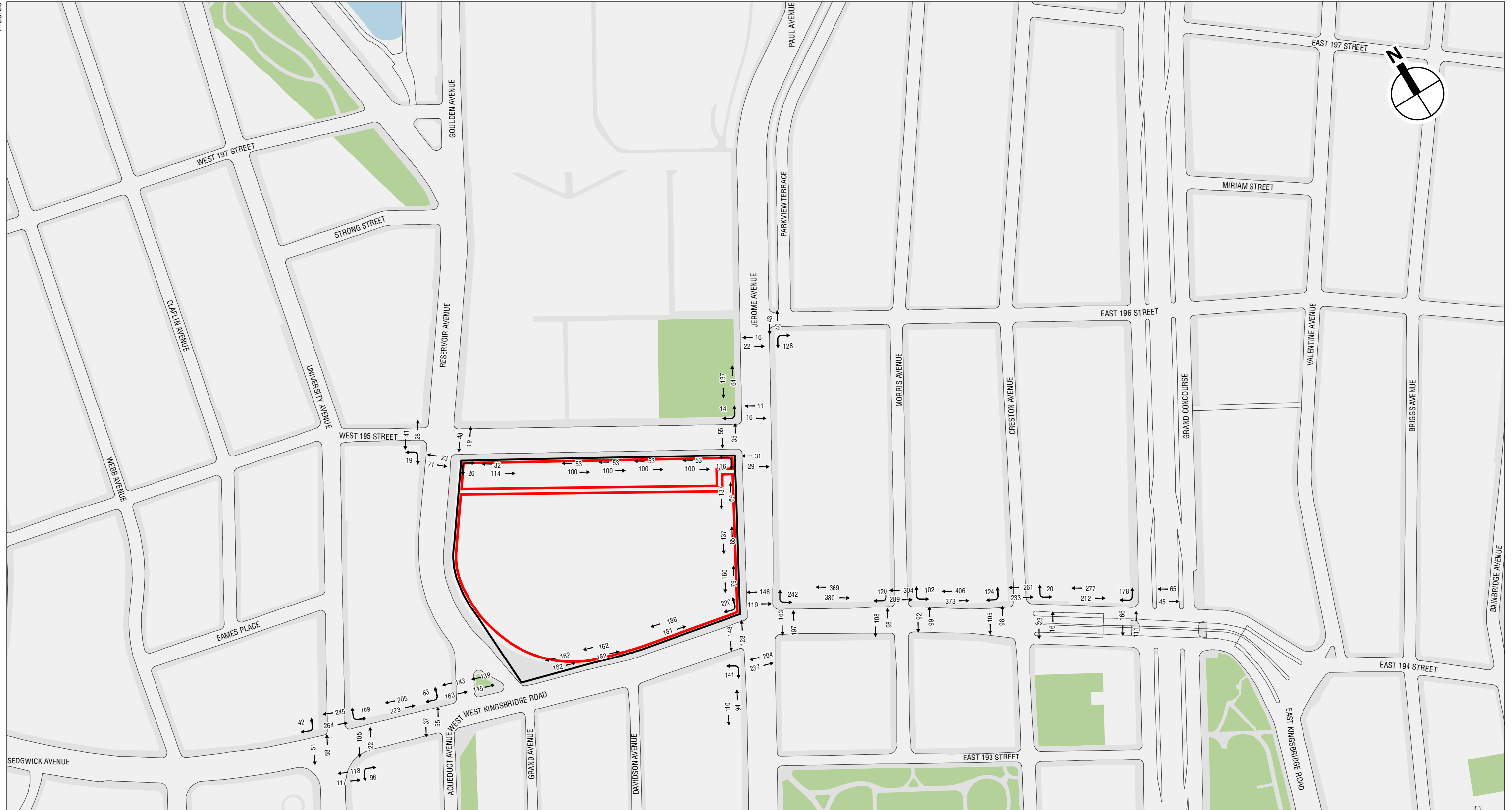


-  Project Site
-  Armory and National Guard Sites

NOTE: This figure has been updated for the FEIS.

**KINGSBRIDGE ARMORY REDEVELOPMENT**

2032 No Action Pedestrian Volumes  
Weekday Evening Peak Hour  
**Figure D-28**

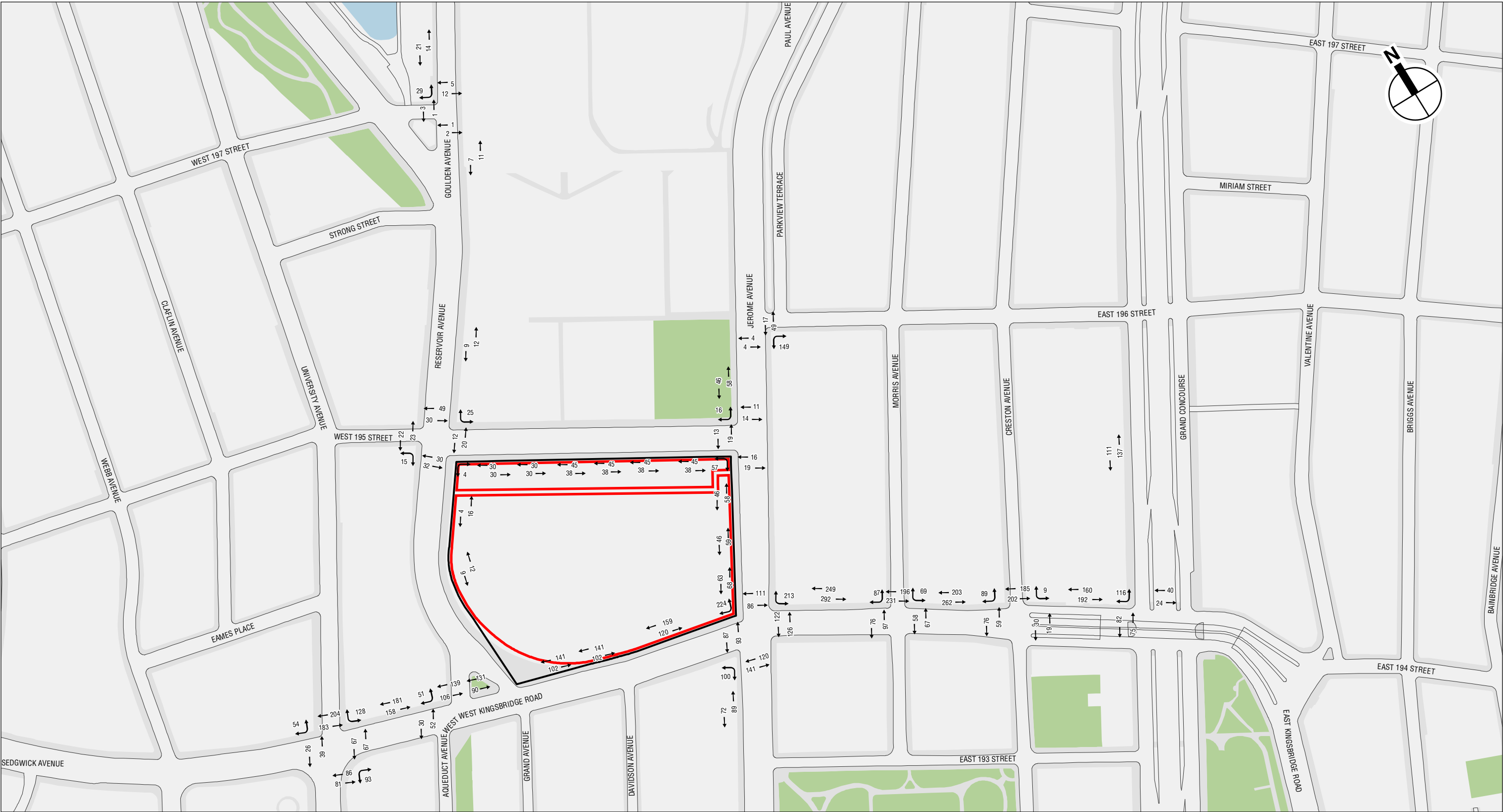


-  Project Site
-  Armory and National Guard Sites

NOTE: This figure has been updated for the FEIS.

**KINGSBRIDGE ARMORY REDEVELOPMENT**

2032 No Action Pedestrian Volumes  
Saturday Midday/Afternoon Peak Hour  
**Figure D-29**

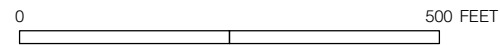


-  Project Site
-  Armory and National Guard Sites

NOTE: This figure has been updated for the FEIS.

**KINGSBRIDGE ARMORY REDEVELOPMENT**

2032 No Action Pedestrian Volumes  
Saturday Evening Peak Hour  
**Figure D-30**



## KINGSBRIDGE ARMORY REDEVELOPMENT

2032 With Action Pedestrian Volumes  
Weekday AM Peak Hour  
**Figure D-31**



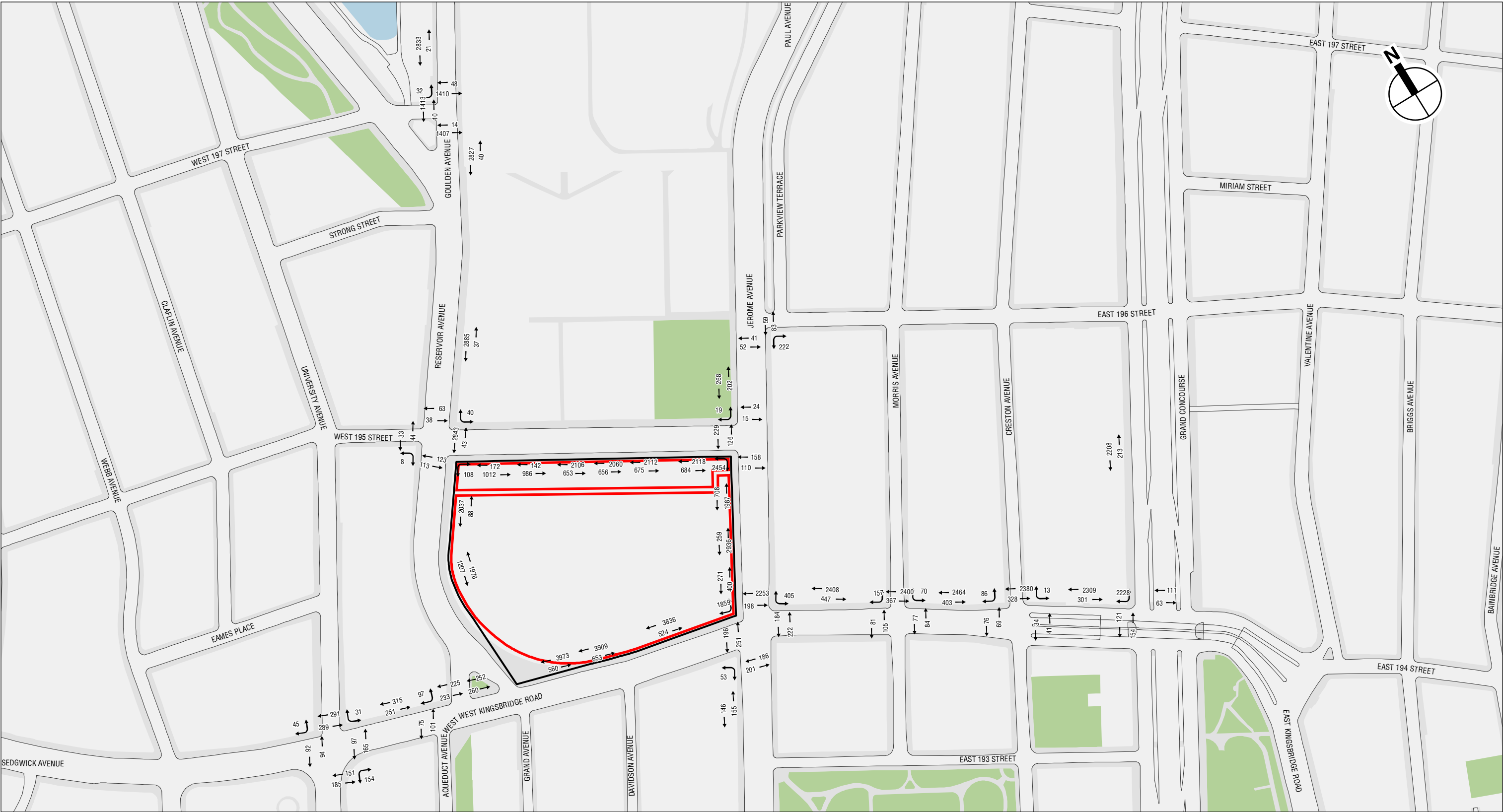
## KINGSBRIDGE ARMORY REDEVELOPMENT

2032 With Action Pedestrian Volumes  
Weekday Midday Peak Hour  
**Figure D-32**



## KINGSBRIDGE ARMORY REDEVELOPMENT

2032 With Action Pedestrian Volumes  
Weekday PM Peak Hour  
**Figure D-33**



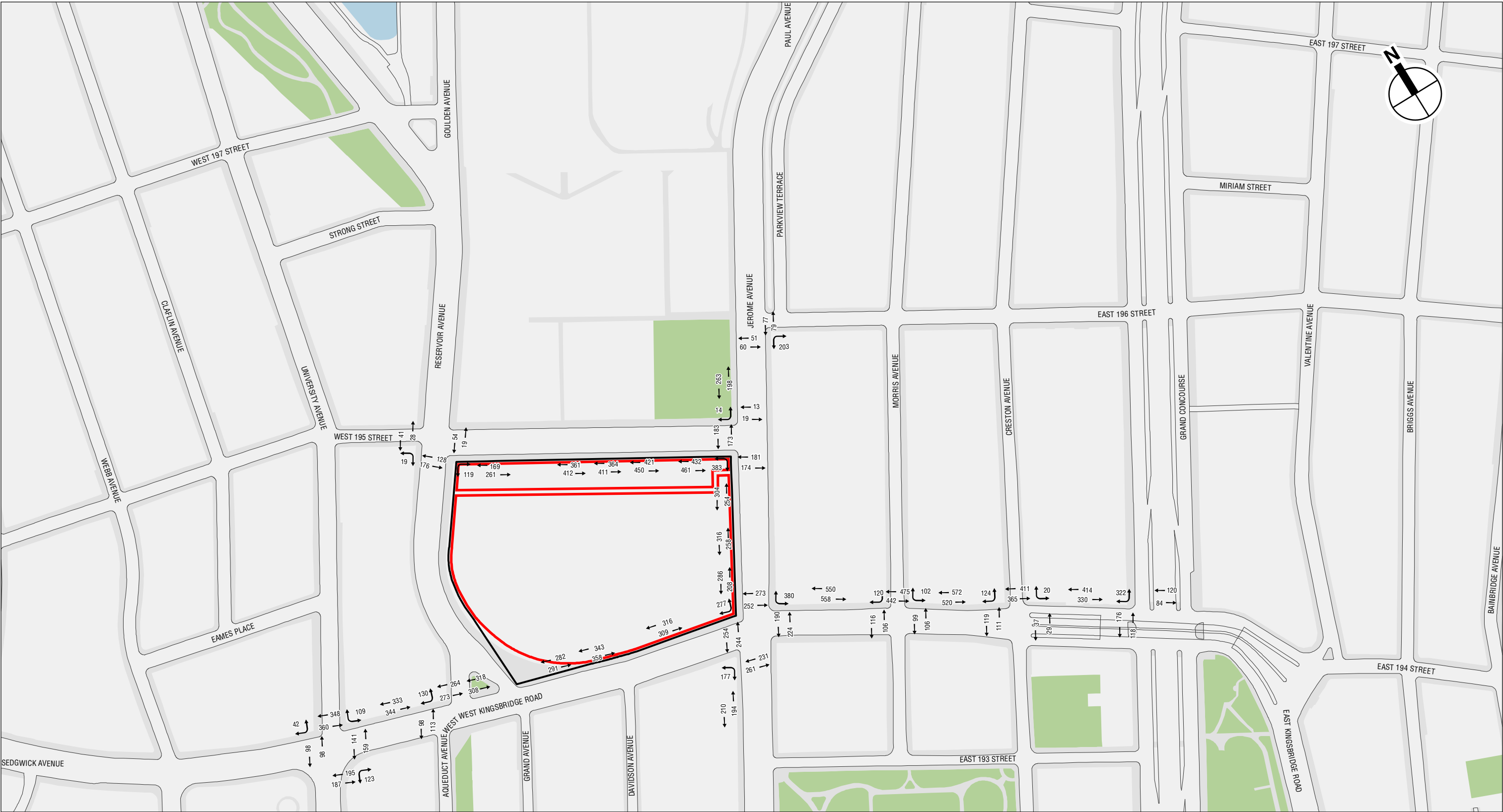
 Project Site  
 Armory and National Guard Sites

0 500 FEET

NOTE: This figure has been updated for the FEIS.

**KINGSBRIDGE ARMORY REDEVELOPMENT**

2032 With Action Pedestrian Volumes  
Weekday Evening Peak Hour  
**Figure D-34**

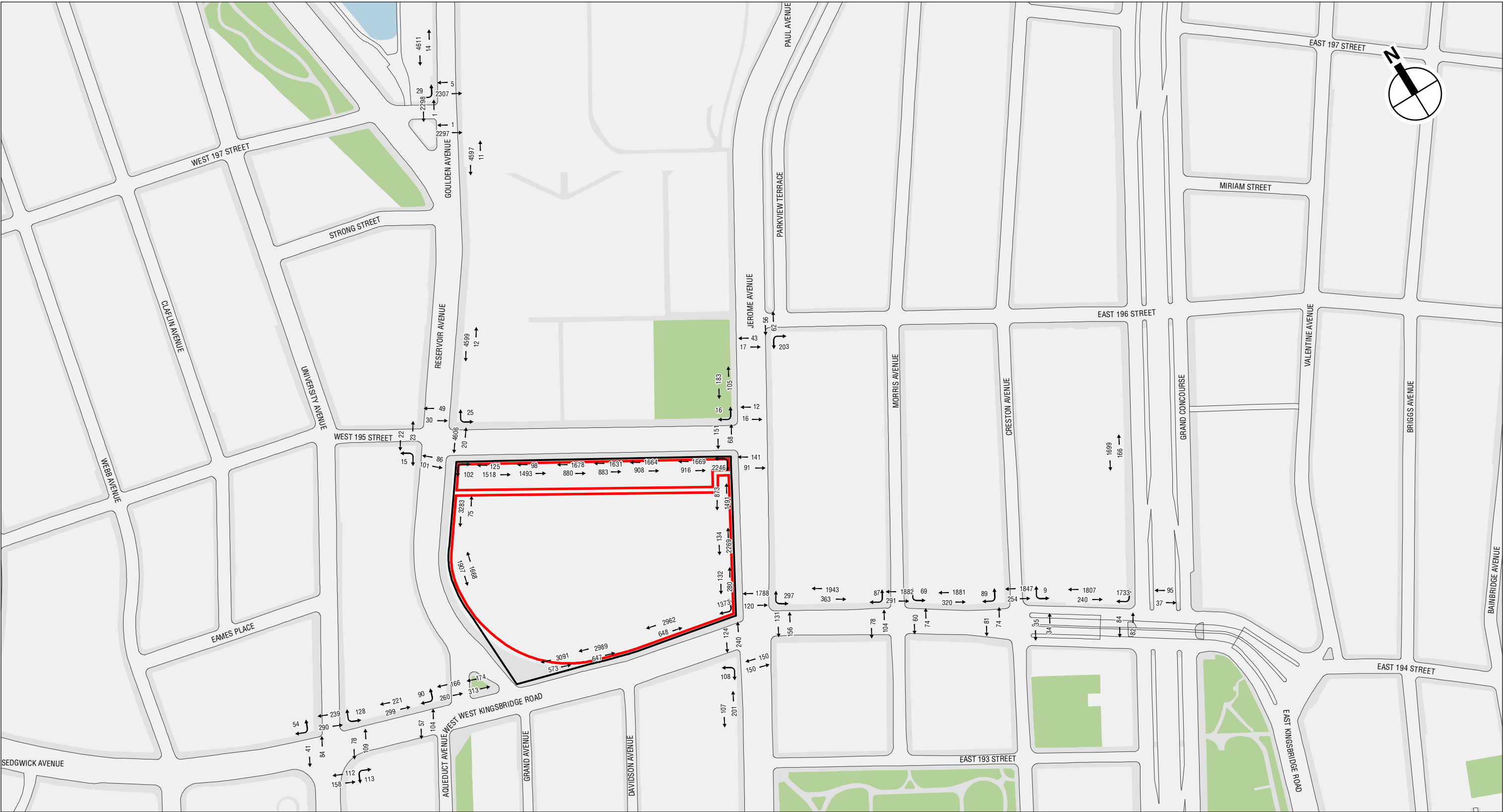


- Project Site
- Armory and National Guard Sites

NOTE: This figure has been updated for the FEIS.

**KINGSBRIDGE ARMORY REDEVELOPMENT**

2032 With Action Pedestrian Volumes  
Saturday Midday/Afternoon Peak Hour  
**Figure D-35**



 Project Site  
 Armory and National Guard Sites

0 500 FEET

NOTE: This figure has been updated for the FEIS.

**KINGSBRIDGE ARMORY REDEVELOPMENT**

2032 With Action Pedestrian Volumes  
Saturday Evening Peak Hour  
**Figure D-36**

## Pedestrians Tables

**Table D-10a**  
**Existing Conditions Sidewalks Level of Service Analysis**

Location	Sidewalk	Effective Width (ft)	Two-way Peak Hour Volume	PHF	SFP	Platoon LOS
<b>Weekday AM Peak Hour</b>						
West Kingsbridge Road between University Avenue and Reservoir Avenue	North	12.0	489	0.87	306.2	B
West 195th Street between Reservoir Avenue and National Guard's West Retail Entrances	South	11.0	552	0.68	193.9	B
West 195th Street between Residential/Amory North Main and National Guard's Middle Retail Entrances	South	11.0	351	0.86	388.1	B
West Kingsbridge Road at Barnhill Square	North	9.0	323	0.85	340.9	B
West Kingsbridge Road between Reservoir Avenue and Armory's South Entrance	North	12.0	481	0.80	287.8	B
West Kingsbridge Road between Davidson Avenue and Armory's Southeast Entrance	North	12.0	501	0.76	261.6	B
West Kingsbridge Road between Armory's South Entrance and Davidson Avenue	North	12.0	481	0.80	287.8	B
West 195th Street between National Guard's East Residential and East Local Retail Entrances	South	11.0	351	0.86	388.1	B
West 195th Street between National Guard's Middle Local Retail and East Residential Entrances	South	11.0	351	0.86	388.1	B
Jerome Avenue between West 195th Street and Armory's East Main Entrance	West	17.0	803	0.74	226.5	B
West 195th Street between National Guard's East Residential Entrance and Jerome Avenue	South	7.5	803	0.74	99.6	B
Jerome Avenue between East 196th Street and West 195th Street	West	11.0	351	0.86	388.1	B
Jerome Avenue between Armory's Northeast Main and Southeast Main Entrance	West	27.0	803	0.74	359.9	B
East Kingsbridge Road between Jerome Avenue and Morris Avenue	North	8.0	922	0.80	99.2	B
Jerome Avenue between West Kingsbridge Road and East 193rd Street	West	6.5	161	0.71	410.4	B
Jerome Avenue between Southeast Main Entrance and West Kingsbridge Road	West	8.5	857	0.74	105.5	B
East Kingsbridge Road between Morris Avenue and Creston Avenue	North	11.0	659	0.80	192.0	B
East Kingsbridge Road between Creston Avenue and Grand Concourse	North	2.0	465	0.83	50.6	C
<b>Weekday Midday Peak Hour</b>						
West Kingsbridge Road between University Avenue and Reservoir Avenue	North	12.0	382	0.92	415.3	B
West 195th Street between Reservoir Avenue and National Guard's West Retail Entrances	South	11.0	165	0.71	682.7	A
West 195th Street between Residential/Amory North Main and National Guard's Middle Retail Entrances	South	11.0	149	0.63	671.1	A
West Kingsbridge Road at Barnhill Square	North	9.0	231	0.84	469.5	B
West Kingsbridge Road between Reservoir Avenue and Armory's South Entrance	North	12.0	275	0.87	546.8	A
West Kingsbridge Road between Davidson Avenue and Armory's Southeast Entrance	North	12.0	291	0.88	520.4	B
West Kingsbridge Road between Armory's South Entrance and Davidson Avenue	North	12.0	275	0.87	546.8	A
West 195th Street between National Guard's East Residential and East Local Retail Entrances	South	11.0	149	0.63	671.1	A
West 195th Street between National Guard's Middle Local Retail and East Residential Entrances	South	11.0	149	0.63	671.1	A
Jerome Avenue between West 195th Street and Armory's East Main Entrance	West	17.0	434	0.71	402.5	B
West 195th Street between National Guard's East Residential Entrance and Jerome Avenue	South	7.5	434	0.71	177.4	B
Jerome Avenue between East 196th Street and West 195th Street	West	11.0	149	0.63	671.1	A
Jerome Avenue between Armory's Northeast Main and Southeast Main Entrance	West	27.0	434	0.71	639.4	A
East Kingsbridge Road between Jerome Avenue and Morris Avenue	North	8.0	483	0.81	191.8	B
Jerome Avenue between West Kingsbridge Road and East 193rd Street	West	6.5	235	0.76	303.7	B
Jerome Avenue between Southeast Main Entrance and West Kingsbridge Road	West	8.5	461	0.72	191.0	B
East Kingsbridge Road between Morris Avenue and Creston Avenue	North	11.0	569	0.90	250.5	B
East Kingsbridge Road between Creston Avenue and Grand Concourse	North	2.0	367	0.81	63.0	C
<b>Weekday PM Peak Hour</b>						
West Kingsbridge Road between University Avenue and Reservoir Avenue	North	12.0	541	0.74	237.2	B
West 195th Street between Reservoir Avenue and National Guard's West Retail Entrances	South	11.0	227	0.64	444.8	B
West 195th Street between Residential/Amory North Main and National Guard's Middle Retail Entrances	South	11.0	254	0.59	370.0	B
West Kingsbridge Road at Barnhill Square	North	9.0	474	0.74	202.3	B
West Kingsbridge Road between Reservoir Avenue and Armory's South Entrance	North	12.0	347	0.89	445.3	B
West Kingsbridge Road between Davidson Avenue and Armory's Southeast Entrance	North	12.0	593	0.79	229.6	B
West Kingsbridge Road between Armory's South Entrance and Davidson Avenue	North	12.0	347	0.89	445.3	B
West 195th Street between National Guard's East Residential and East Local Retail Entrances	South	11.0	254	0.59	370.0	B
West 195th Street between National Guard's Middle Local Retail and East Residential Entrances	South	11.0	254	0.59	370.0	B
Jerome Avenue between West 195th Street and Armory's East Main Entrance	West	17.0	482	0.70	353.6	B
West 195th Street between National Guard's East Residential Entrance and Jerome Avenue	South	7.5	482	0.70	155.8	B
Jerome Avenue between East 196th Street and West 195th Street	West	11.0	254	0.59	370.0	B
Jerome Avenue between Armory's Northeast Main and Southeast Main Entrance	West	27.0	482	0.70	561.8	A
East Kingsbridge Road between Jerome Avenue and Morris Avenue	North	8.0	803	0.84	120.1	B
Jerome Avenue between West Kingsbridge Road and East 193rd Street	West	6.5	232	0.68	275.1	B
Jerome Avenue between Southeast Main Entrance and West Kingsbridge Road	West	8.5	571	0.76	163.4	B
East Kingsbridge Road between Morris Avenue and Creston Avenue	North	11.0	842	0.88	164.7	B
East Kingsbridge Road between Creston Avenue and Grand Concourse	North	2.0	625	0.89	40.1	C

**Table D-10a**  
**Existing Conditions Sidewalks Level of Service Analysis**

Location	Sidewalk	Effective Width (ft)	Two-way Peak Hour Volume	PHF	SFP	Platoon LOS
<b>Weekday Evening Peak Hour</b>						
West Kingsbridge Road between University Avenue and Reservoir Avenue	North	12.0	389	0.91	403.6	B
Reservoir Avenue between Strong Street and West 195th Street	East	4.5	115	0.37	210.2	B
Reservoir Avenue between West 195th Street and Loading Dock Entrance	East	11.0	46	0.46	1584.0	A
West 195th Street between Reservoir Avenue and National Guard's West Retail Entrances	South	11.0	117	0.73	990.0	A
West 195th Street between National Guard's West Retail and Residential/Amory North Main Entrances	South	11.0	117	0.73	990.0	A
West 195th Street between Residential/Amory North Main and National Guard's Middle Retail Entrances	South	11.0	145	0.71	776.4	A
Reservoir Avenue between Amory's Southwest Main Entrances and Loading Dock Entrance	East	11.0	41	0.51	1980.0	A
West Kingsbridge Road at Barnhill Square	North	9.0	272	0.89	426.2	B
West Kingsbridge Road between Reservoir Avenue and Amory's South Entrance	North	12.0	541	0.76	241.2	B
West Kingsbridge Road between Davidson Avenue and Amory's Southeast Entrance	North	12.0	403	0.88	378.8	B
West Kingsbridge Road between Amory's South Entrance and Davidson Avenue	North	12.0	541	0.76	241.2	B
West 195th Street between National Guard's East Residential and East Local Retail Entrances	South	11.0	145	0.71	776.4	A
West 195th Street between National Guard's Middle Local Retail and East Residential Entrances	South	11.0	145	0.71	776.4	A
Jerome Avenue between West 195th Street and Amory's East Main Entrance	West	17.0	296	0.65	536.8	A
West 195th Street between National Guard's East Residential Entrance and Jerome Avenue	South	7.5	296	0.65	236.7	B
Jerome Avenue between East 196th Street and West 195th Street	West	11.0	145	0.71	776.4	A
Jerome Avenue between Amory's Northeast Main and Southeast Main Entrance	West	27.0	296	0.65	852.6	A
East Kingsbridge Road between Jerome Avenue and Morris Avenue	North	8.0	600	0.89	171.2	B
Jerome Avenue between West Kingsbridge Road and East 193rd Street	West	6.5	168	0.84	467.9	B
Jerome Avenue between Southeast Main Entrance and West Kingsbridge Road	West	8.5	342	0.66	235.2	B
East Kingsbridge Road between Morris Avenue and Creston Avenue	North	11.0	618	0.83	212.7	B
East Kingsbridge Road between Creston Avenue and Grand Concourse	North	2.0	410	0.88	60.8	C
Grand Concourse between East Kingsbridge Road and Subway Entrance	West	5.5	321	0.84	206.0	B
Goulden Avenue between East 197th Street and Strong Street	East	9.0	61	0.49	1045.1	A
Goulden Avenue North of West 197th Street	West	4.0	49	0.64	757.8	A
<b>Saturday Midday/Afternoon Peak Hour</b>						
West Kingsbridge Road between University Avenue and Reservoir Avenue	North	12.0	416	0.87	362.9	B
West 195th Street between Reservoir Avenue and National Guard's West Retail Entrances	South	11.0	140	0.64	719.9	A
West 195th Street between Residential/Amory North Main and National Guard's Middle Retail Entrances	South	11.0	147	0.72	776.4	A
West Kingsbridge Road at Barnhill Square	North	9.0	274	0.83	390.2	B
West Kingsbridge Road between Reservoir Avenue and Amory's South Entrance	North	12.0	333	0.74	385.6	B
West Kingsbridge Road between Davidson Avenue and Amory's Southeast Entrance	North	12.0	355	0.87	423.4	B
West Kingsbridge Road between Amory's South Entrance and Davidson Avenue	North	12.0	333	0.74	385.6	B
West 195th Street between National Guard's East Residential and East Local Retail Entrances	South	11.0	147	0.72	776.4	A
West 195th Street between National Guard's Middle Local Retail and East Residential Entrances	South	11.0	147	0.72	776.4	A
Jerome Avenue between West 195th Street and Amory's East Main Entrance	West	17.0	198	0.74	913.4	A
West 195th Street between National Guard's East Residential Entrance and Jerome Avenue	South	7.5	198	0.74	402.9	B
Jerome Avenue between East 196th Street and West 195th Street	West	11.0	147	0.72	776.4	A
Jerome Avenue between Amory's Northeast Main and Southeast Main Entrance	West	27.0	198	0.74	1450.7	A
East Kingsbridge Road between Jerome Avenue and Morris Avenue	North	8.0	727	0.85	134.2	B
Jerome Avenue between West Kingsbridge Road and East 193rd Street	West	6.5	201	0.79	365.5	B
Jerome Avenue between Southeast Main Entrance and West Kingsbridge Road	West	8.5	235	0.82	424.9	B
East Kingsbridge Road between Morris Avenue and Creston Avenue	North	11.0	725	0.93	203.9	B
East Kingsbridge Road between Creston Avenue and Grand Concourse	North	2.0	450	0.83	52.5	C
<b>Saturday Evening Peak Hour</b>						
West Kingsbridge Road between University Avenue and Reservoir Avenue	North	12.0	330	0.87	454.6	B
Reservoir Avenue between Strong Street and West 195th Street	East	4.5	21	0.58	1800.0	A
Reservoir Avenue between West 195th Street and Loading Dock Entrance	East	11.0	20	0.45	3600.0	A
West 195th Street between Reservoir Avenue and National Guard's West Retail Entrances	South	11.0	58	0.66	1800.0	A
West 195th Street between National Guard's West Retail and Residential/Amory North Main Entrances	South	11.0	58	0.66	1800.0	A
West 195th Street between Residential/Amory North Main and National Guard's Middle Retail Entrances	South	11.0	79	0.82	1650.0	A
Reservoir Avenue between Amory's Southwest Main Entrances and Loading Dock Entrance	East	11.0	21	0.66	4950.0	A
West Kingsbridge Road at Barnhill Square	North	9.0	214	0.72	437.7	B
West Kingsbridge Road between Reservoir Avenue and Amory's South Entrance	North	12.0	236	0.82	599.9	A
West Kingsbridge Road between Davidson Avenue and Amory's Southeast Entrance	North	12.0	271	0.80	508.1	B
West Kingsbridge Road between Amory's South Entrance and Davidson Avenue	North	12.0	236	0.82	599.9	A
West 195th Street between National Guard's East Residential and East Local Retail Entrances	South	11.0	79	0.82	1650.0	A
West 195th Street between National Guard's Middle Local Retail and East Residential Entrances	South	11.0	79	0.82	1650.0	A
Jerome Avenue between West 195th Street and Amory's East Main Entrance	West	17.0	102	0.77	1854.5	A
West 195th Street between National Guard's East Residential Entrance and Jerome Avenue	South	7.5	102	0.77	818.1	A
Jerome Avenue between East 196th Street and West 195th Street	West	11.0	79	0.82	1650.0	A
Jerome Avenue between Amory's Northeast Main and Southeast Main Entrance	West	27.0	102	0.77	2945.4	A
East Kingsbridge Road between Jerome Avenue and Morris Avenue	North	8.0	526	0.75	163.4	B
Jerome Avenue between West Kingsbridge Road and East 193rd Street	West	6.5	159	0.72	425.3	B
Jerome Avenue between Southeast Main Entrance and West Kingsbridge Road	West	8.5	128	0.86	827.0	A
East Kingsbridge Road between Morris Avenue and Creston Avenue	North	11.0	431	0.86	316.7	B
East Kingsbridge Road between Creston Avenue and Grand Concourse	North	2.0	327	0.85	74.4	C
Grand Concourse between East Kingsbridge Road and Subway Entrance	West	5.5	244	0.90	291.0	B
Goulden Avenue between East 197th Street and Strong Street	East	9.0	18	0.50	3600.0	A
Goulden Avenue North of West 197th Street	West	4.0	35	0.73	1200.0	A

Note: SFP = square feet per pedestrian.

Table D-10b

## Existing Conditions Corners Level of Service Analysis

Location	Corner	Weekday AM Peak Hour		Weekday Midday Peak Hour		Weekday PM Peak Hour		Weekday Evening Peak Hour		Saturday Midday/Afternoon Peak Hour		Saturday Evening Peak Hour	
		SFP	LOS	SFP	LOS	SFP	LOS	SFP	LOS	SFP	LOS	SFP	LOS
University Avenue and West Kingsbridge Road	Northwest	369.2	A	417.8	A	303.6	A	415.8	A	396.6	A	541.9	A
	Northeast	368.9	A	405.6	A	286.6	A	337.7	A	307.1	A	402.2	A
	Southeast	538.7	A	500.2	A	296.2	A	394.7	A	482.3	A	655.1	A
Reservoir Avenue and West 195th Street	Northeast	N/A	N/A	N/A	N/A	N/A	N/A	502.2	A	N/A	N/A	852.6	A
	Southwest	154.2	A	436.0	A	424.6	A	699.9	A	605.9	A	1009.1	A
	Southeast	233.7	A	808.8	A	543.3	A	1226.7	A	1109.9	A	2185.7	A
Reservoir Avenue and West Kingsbridge Road	Northwest	340.0	A	603.6	A	381.1	A	594.9	A	647.5	A	693.4	A
Jerome Avenue and East 196th Street	Southeast	295.1	A	964.5	A	558.0	A	931.0	A	1090.7	A	1509.1	A
Jerome Avenue and W 195th Street	Northwest	148.2	A	385.7	A	313.7	A	550.6	A	1171.1	A	1862.8	A
	Southwest	281.6	A	634.5	A	474.7	A	662.8	A	1100.9	A	2341.4	A
Jerome Avenue and East/West Kingsbridge Road	Northwest	253.7	A	353.4	A	249.8	A	238.2	A	332.1	A	413.4	A
	Northeast	157.2	A	275.3	A	196.3	A	260.0	A	315.9	A	374.3	A
	Southwest	227.2	A	202.1	A	171.6	A	247.4	A	210.6	A	337.8	A
Morris Avenue and East Kingsbridge Road	Northwest	183.7	A	267.0	A	174.5	A	236.1	A	230.4	A	302.8	A
	Northeast	193.7	A	260.7	A	195.9	A	236.5	A	213.1	A	313.4	A
Creston Avenue and East Kingsbridge Road	Northwest	228.3	A	283.2	A	215.8	A	271.4	A	247.2	A	330.8	A
	Northeast	106.1	A	157.6	A	114.9	A	138.7	A	152.4	A	197.2	A
Grand Concourse and East Kingsbridge Road	Northwest	138.3	A	213.7	A	156.3	A	206.2	A	209.9	A	361.4	A
Goulden Avenue and West 197th Street	Northwest	N/A	N/A	N/A	N/A	N/A	N/A	1916.8	A	N/A	N/A	4897.2	A

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

Table D-10c

**Existing Conditions Crosswalks Level of Service Analysis**

Location	Crosswalk	Crosswalk Length (ft)	Crosswalk Width (ft)	Two-way Peak Hour Volume	SFP	LOS
<b>Weekday AM Peak Hour</b>						
Reservoir Avenue and West 195th Street	South	60.0	14.0	284	57.9	B
Reservoir Avenue and West Kingsbridge Road	North	43.0	19.0	393	152.5	A
Jerome Avenue and W 195th Street	South	70.0	15.0	168	140.3	A
	West	60.0	21.5	619	116.6	A
Jerome Avenue and East/West Kingsbridge Road	North	63.5	15.0	329	93.5	A
	West	64.0	18.0	443	85.8	A
Morris Avenue and East Kingsbridge Road	North	30.0	19.0	687	85.3	A
Creston Avenue and East Kingsbridge Road	North	30.0	15.0	565	75.0	A
<b>Weekday Midday Peak Hour</b>						
Reservoir Avenue and West 195th Street	South	60.0	14.0	106	139.3	A
Reservoir Avenue and West Kingsbridge Road	North	43.0	19.0	275	191.7	A
Jerome Avenue and W 195th Street	South	70.0	15.0	62	293.7	A
	West	60.0	21.5	360	180.7	A
Jerome Avenue and East/West Kingsbridge Road	North	63.5	15.0	259	114.2	A
	West	64.0	18.0	352	86.2	A
Morris Avenue and East Kingsbridge Road	North	30.0	19.0	537	118.4	A
Creston Avenue and East Kingsbridge Road	North	30.0	15.0	430	92.1	A
<b>Weekday PM Peak Hour</b>						
Reservoir Avenue and West 195th Street	South	60.0	14.0	125	135.3	A
Reservoir Avenue and West Kingsbridge Road	North	43.0	19.0	453	134.4	A
Jerome Avenue and W 195th Street	South	70.0	15.0	81	248.4	A
	West	60.0	21.5	375	202.6	A
Jerome Avenue and East/West Kingsbridge Road	North	63.5	15.0	371	92.7	A
	West	64.0	18.0	472	82.7	A
Morris Avenue and East Kingsbridge Road	North	30.0	19.0	648	95.4	A
Creston Avenue and East Kingsbridge Road	North	30.0	15.0	641	74.4	A

**Table D-10c**

**Existing Conditions Crosswalks Level of Service Analysis**

[illegible]

**Table D-11a**  
**2032 No Action Condition Sidewalks Level of Service Analysis**

Location	Sidewalk	Effective Width (ft)	Two-way Peak Hour Volume	PHF	SFP	Platoon LOS
<b>Weekday AM Peak Hour</b>						
West Kingsbridge Road between University Avenue and Reservoir Avenue	North	12.0	501	0.87	298.9	B
West 195th Street between Reservoir Avenue and National Guard's West Retail Entrances	South	11.0	563	0.68	190.1	B
West 195th Street between Residential/Amory North Main and National Guard's Middle Retail Entrances	South	11.0	358	0.86	380.5	B
West Kingsbridge Road at Barnhill Square	North	9.0	332	0.85	331.7	B
West Kingsbridge Road between Reservoir Avenue and Armory's South Entrance	North	12.0	492	0.80	281.4	B
West Kingsbridge Road between Davidson Avenue and Armory's Southeast Entrance	North	12.0	513	0.76	255.5	B
West Kingsbridge Road between Armory's South Entrance and Davidson Avenue	North	12.0	492	0.80	281.4	B
West 195th Street between National Guard's East Residential and East Local Retail Entrances	South	11.0	358	0.86	380.5	B
West 195th Street between National Guard's Middle Local Retail and East Residential Entrances	South	11.0	358	0.86	380.5	B
Jerome Avenue between West 195th Street and Armory's East Main Entrance	West	17.0	815	0.74	223.1	B
West 195th Street between National Guard's East Residential Entrance and Jerome Avenue	South	7.5	815	0.74	98.1	B
Jerome Avenue between East 196th Street and West 195th Street	West	11.0	358	0.86	380.5	B
Jerome Avenue between Armory's Northeast Main and Southeast Main Entrance	West	12.0	816	0.74	157.2	B
East Kingsbridge Road between Jerome Avenue and Morris Avenue	North	8.0	944	0.80	96.9	B
Jerome Avenue between West Kingsbridge Road and East 193rd Street	West	6.5	164	0.71	402.9	B
Jerome Avenue between Southeast Main Entrance and West Kingsbridge Road	West	8.5	871	0.74	103.7	B
East Kingsbridge Road between Morris Avenue and Creston Avenue	North	11.0	705	0.80	179.4	B
East Kingsbridge Road between Creston Avenue and Grand Concourse	North	2.0	501	0.83	46.8	C
<b>Weekday Midday Peak Hour</b>						
West Kingsbridge Road between University Avenue and Reservoir Avenue	North	12.0	392	0.92	404.7	B
West 195th Street between Reservoir Avenue and National Guard's West Retail Entrances	South	11.0	170	0.71	662.6	A
West 195th Street between Residential/Amory North Main and National Guard's Middle Retail Entrances	South	11.0	153	0.63	653.6	A
West Kingsbridge Road at Barnhill Square	North	9.0	238	0.84	455.7	B
West Kingsbridge Road between Reservoir Avenue and Armory's South Entrance	North	12.0	283	0.87	531.3	A
West Kingsbridge Road between Davidson Avenue and Armory's Southeast Entrance	North	12.0	299	0.88	506.5	B
West Kingsbridge Road between Armory's South Entrance and Davidson Avenue	North	12.0	283	0.87	531.3	A
West 195th Street between National Guard's East Residential and East Local Retail Entrances	South	11.0	153	0.63	653.6	A
West 195th Street between National Guard's Middle Local Retail and East Residential Entrances	South	11.0	153	0.63	653.6	A
Jerome Avenue between West 195th Street and Armory's East Main Entrance	West	17.0	440	0.71	397.0	B
West 195th Street between National Guard's East Residential Entrance and Jerome Avenue	South	7.5	440	0.71	175.0	B
Jerome Avenue between East 196th Street and West 195th Street	West	11.0	153	0.63	653.6	A
Jerome Avenue between Armory's Northeast Main and Southeast Main Entrance	West	12.0	441	0.71	279.5	B
East Kingsbridge Road between Jerome Avenue and Morris Avenue	North	8.0	496	0.81	186.7	B
Jerome Avenue between West Kingsbridge Road and East 193rd Street	West	6.5	239	0.76	298.7	B
Jerome Avenue between Southeast Main Entrance and West Kingsbridge Road	West	8.5	469	0.72	187.7	B
East Kingsbridge Road between Morris Avenue and Creston Avenue	North	11.0	603	0.90	236.3	B
East Kingsbridge Road between Creston Avenue and Grand Concourse	North	2.0	394	0.81	58.6	C
<b>Weekday PM Peak Hour</b>						
West Kingsbridge Road between University Avenue and Reservoir Avenue	North	12.0	555	0.74	231.2	B
West 195th Street between Reservoir Avenue and National Guard's West Retail Entrances	South	11.0	234	0.64	431.5	B
West 195th Street between Residential/Amory North Main and National Guard's Middle Retail Entrances	South	11.0	262	0.59	358.7	B
West Kingsbridge Road at Barnhill Square	North	9.0	487	0.74	196.9	B
West Kingsbridge Road between Reservoir Avenue and Armory's South Entrance	North	12.0	358	0.89	431.6	B
West Kingsbridge Road between Davidson Avenue and Armory's Southeast Entrance	North	12.0	608	0.79	223.9	B
West Kingsbridge Road between Armory's South Entrance and Davidson Avenue	North	12.0	358	0.89	431.6	B
West 195th Street between National Guard's East Residential and East Local Retail Entrances	South	11.0	262	0.59	358.7	B
West 195th Street between National Guard's Middle Local Retail and East Residential Entrances	South	11.0	262	0.59	358.7	B
Jerome Avenue between West 195th Street and Armory's East Main Entrance	West	17.0	489	0.70	348.6	B
West 195th Street between National Guard's East Residential Entrance and Jerome Avenue	South	7.5	489	0.70	153.5	B
Jerome Avenue between East 196th Street and West 195th Street	West	11.0	262	0.59	358.7	B
Jerome Avenue between Armory's Northeast Main and Southeast Main Entrance	West	12.0	490	0.70	245.5	B
East Kingsbridge Road between Jerome Avenue and Morris Avenue	North	8.0	825	0.84	116.9	B
Jerome Avenue between West Kingsbridge Road and East 193rd Street	West	6.5	236	0.68	270.5	B
Jerome Avenue between Southeast Main Entrance and West Kingsbridge Road	West	8.5	581	0.76	160.5	B
East Kingsbridge Road between Morris Avenue and Creston Avenue	North	11.0	893	0.88	155.3	B
East Kingsbridge Road between Creston Avenue and Grand Concourse	North	2.0	663	0.89	37.6	D

**Table D-11a**  
**2032 No Action Condition Sidewalks Level of Service Analysis**

Location	Sidewalk	Effective Width (ft)	Two-way Peak Hour Volume	PHF	SFP	Platoon LOS
<b>Weekday Evening Peak Hour</b>						
West Kingsbridge Road between University Avenue and Reservoir Avenue	North	12.0	399	0.91	393.5	B
Reservoir Avenue between Strong Street and West 195th Street	East	11.5	117	0.37	528.4	B
Reservoir Avenue between West 195th Street and Loading Dock Entrance	East	11.0	46	0.46	1584.0	A
West 195th Street between Reservoir Avenue and National Guard's West Retail Entrances	South	11.0	121	0.73	957.2	A
West 195th Street between National Guard's West Retail and Residential/Armory North Main Entrances	South	11.0	121	0.73	957.2	A
West 195th Street between Residential/Armory North Main and National Guard's Middle Retail Entrances	South	11.0	149	0.71	755.6	A
Reservoir Avenue between Amory's Southwest Main Entrances and Loading Dock Entrance	East	11.0	41	0.51	1980.0	A
West Kingsbridge Road at Barnhill Square	North	9.0	280	0.89	414.0	B
West Kingsbridge Road between Reservoir Avenue and Armory's South Entrance	North	12.0	554	0.76	235.5	B
West Kingsbridge Road between Davidson Avenue and Armory's Southeast Entrance	North	12.0	413	0.88	369.7	B
West Kingsbridge Road between Armory's South Entrance and Davidson Avenue	North	12.0	554	0.76	235.5	B
West 195th Street between National Guard's East Residential and East Local Retail Entrances	South	11.0	149	0.71	755.6	A
West 195th Street between National Guard's Middle Local Retail and East Residential Entrances	South	11.0	149	0.71	755.6	A
Jerome Avenue between West 195th Street and Armory's East Main Entrance	West	17.0	300	0.65	529.6	B
West 195th Street between National Guard's East Residential Entrance and Jerome Avenue	South	7.5	300	0.65	233.5	B
Jerome Avenue between East 196th Street and West 195th Street	West	11.0	149	0.71	755.6	A
Jerome Avenue between Armory's Northeast Main and Southeast Main Entrance	West	12.0	301	0.65	372.5	B
East Kingsbridge Road between Jerome Avenue and Morris Avenue	North	8.0	615	0.89	167.0	B
Jerome Avenue between West Kingsbridge Road and East 193rd Street	West	6.5	170	0.84	462.4	B
Jerome Avenue between Southeast Main Entrance and West Kingsbridge Road	West	8.5	348	0.66	231.1	B
East Kingsbridge Road between Morris Avenue and Creston Avenue	North	11.0	657	0.83	200.0	B
East Kingsbridge Road between Creston Avenue and Grand Concourse	North	2.0	438	0.88	56.8	C
Grand Concourse between East Kingsbridge Road and Subway Entrance	West	5.5	326	0.84	202.9	B
Goulden Avenue between East 197th Street and Strong Street	East	9.0	62	0.49	1028.3	A
Goulden Avenue North of West 197th Street	West	4.0	49	0.64	757.8	A
<b>Saturday Midday/Afternoon Peak Hour</b>						
West Kingsbridge Road between University Avenue and Reservoir Avenue	North	12.0	428	0.87	352.7	B
West 195th Street between Reservoir Avenue and National Guard's West Retail Entrances	South	11.0	146	0.64	690.3	A
West 195th Street between Residential/Armory North Main and National Guard's Middle Retail Entrances	South	11.0	153	0.72	746.0	A
West Kingsbridge Road at Barnhill Square	North	9.0	284	0.83	376.5	B
West Kingsbridge Road between Reservoir Avenue and Armory's South Entrance	North	12.0	344	0.74	373.3	B
West Kingsbridge Road between Davidson Avenue and Armory's Southeast Entrance	North	12.0	367	0.87	409.6	B
West Kingsbridge Road between Armory's South Entrance and Davidson Avenue	North	12.0	344	0.74	373.3	B
West 195th Street between National Guard's East Residential and East Local Retail Entrances	South	11.0	153	0.72	746.0	A
West 195th Street between National Guard's Middle Local Retail and East Residential Entrances	South	11.0	153	0.72	746.0	A
Jerome Avenue between West 195th Street and Armory's East Main Entrance	West	17.0	201	0.74	899.7	A
West 195th Street between National Guard's East Residential Entrance and Jerome Avenue	South	7.5	201	0.74	396.9	B
Jerome Avenue between East 196th Street and West 195th Street	West	11.0	153	0.72	746.0	A
Jerome Avenue between Armory's Northeast Main and Southeast Main Entrance	West	12.0	202	0.74	631.9	A
East Kingsbridge Road between Jerome Avenue and Morris Avenue	North	8.0	749	0.85	130.3	B
Jerome Avenue between West Kingsbridge Road and East 193rd Street	West	6.5	204	0.79	360.1	B
Jerome Avenue between Southeast Main Entrance and West Kingsbridge Road	West	8.5	239	0.82	417.8	B
East Kingsbridge Road between Morris Avenue and Creston Avenue	North	11.0	779	0.93	189.7	B
East Kingsbridge Road between Creston Avenue and Grand Concourse	North	2.0	489	0.83	48.2	C
<b>Saturday Evening Peak Hour</b>						
West Kingsbridge Road between University Avenue and Reservoir Avenue	North	12.0	339	0.87	442.6	B
Reservoir Avenue between Strong Street and West 195th Street	East	11.5	21	0.58	4600.0	A
Reservoir Avenue between West 195th Street and Loading Dock Entrance	East	11.0	20	0.45	3600.0	A
West 195th Street between Reservoir Avenue and National Guard's West Retail Entrances	South	11.0	60	0.66	1740.0	A
West 195th Street between National Guard's West Retail and Residential/Armory North Main Entrances	South	11.0	60	0.66	1740.0	A
West 195th Street between Residential/Armory North Main and National Guard's Middle Retail Entrances	South	11.0	83	0.82	1570.5	A
Reservoir Avenue between Amory's Southwest Main Entrances and Loading Dock Entrance	East	11.0	21	0.66	4950.0	A
West Kingsbridge Road at Barnhill Square	North	9.0	221	0.72	423.9	B
West Kingsbridge Road between Reservoir Avenue and Armory's South Entrance	North	12.0	243	0.82	582.6	A
West Kingsbridge Road between Davidson Avenue and Armory's Southeast Entrance	North	12.0	279	0.80	493.6	B
West Kingsbridge Road between Armory's South Entrance and Davidson Avenue	North	12.0	243	0.82	582.6	A
West 195th Street between National Guard's East Residential and East Local Retail Entrances	South	11.0	83	0.82	1570.5	A
West 195th Street between National Guard's Middle Local Retail and East Residential Entrances	South	11.0	83	0.82	1570.5	A
Jerome Avenue between West 195th Street and Armory's East Main Entrance	West	17.0	104	0.77	1818.9	A
West 195th Street between National Guard's East Residential Entrance and Jerome Avenue	South	7.5	104	0.77	802.4	A
Jerome Avenue between East 196th Street and West 195th Street	West	11.0	83	0.82	1570.5	A
Jerome Avenue between Armory's Northeast Main and Southeast Main Entrance	West	12.0	105	0.77	1271.7	A
East Kingsbridge Road between Jerome Avenue and Morris Avenue	North	8.0	541	0.75	158.8	B
Jerome Avenue between West Kingsbridge Road and East 193rd Street	West	6.5	161	0.72	420.1	B
Jerome Avenue between Southeast Main Entrance and West Kingsbridge Road	West	8.5	131	0.86	808.0	A
East Kingsbridge Road between Morris Avenue and Creston Avenue	North	11.0	465	0.86	293.5	B
East Kingsbridge Road between Creston Avenue and Grand Concourse	North	2.0	352	0.85	69.0	C
Grand Concourse between East Kingsbridge Road and Subway Entrance	West	5.5	248	0.90	286.3	B
Goulden Avenue between East 197th Street and Strong Street	East	9.0	18	0.50	3600.0	A
Goulden Avenue North of West 197th Street	West	4.0	35	0.73	1200.0	A

Note: SFP = square feet per pedestrian.

**Table D-11b**

Location	Corner	Weekday AM Peak Hour		Weekday Midday Peak Hour		Weekday PM Peak Hour		Weekday Evening Peak Hour		Saturday Midday/Afternoon Peak Hour		Saturday Evening Peak Hour	
		SFP	LOS	SFP	LOS	SFP	LOS	SFP	LOS	SFP	LOS	SFP	LOS
University Avenue and West Kingsbridge Road	Northwest	364.8	A	412.4	A	300.0	A	410.0	A	389.7	A	533.8	A
	Northeast	360.8	A	397.0	A	280.8	A	331.0	A	299.7	A	393.5	A
	Southeast	526.5	A	488.3	A	289.4	A	385.8	A	469.1	A	639.8	A
Reservoir Avenue and West 195th Street	Northwest	N/A	N/A	N/A	N/A	N/A	N/A	704.1	A	N/A	N/A	1194.6	A
	Southwest	151.1	A	425.1	A	410.3	A	680.8	A	586.7	A	991.1	A
	Southeast	229.5	A	790.5	A	528.8	A	1195.8	A	1076.2	A	2142.7	A
Reservoir Avenue and West Kingsbridge Road	Northwest	332.9	A	588.7	A	372.3	A	579.2	A	629.2	A	675.6	A
Jerome Avenue and East 196th Street	Southeast	288.7	A	931.1	A	539.5	A	901.8	A	1026.3	A	1453.0	A
Jerome Avenue and W 195th Street	Northwest	145.2	A	375.8	A	305.6	A	533.2	A	1080.1	A	1763.8	A
	Southwest	276.7	A	622.9	A	463.0	A	649.9	A	1068.0	A	2290.1	A
Jerome Avenue and East/West Kingsbridge Road	Northwest	416.2	A	578.4	A	412.2	A	389.9	A	540.6	A	671.3	A
	Northeast	154.2	A	269.4	A	192.1	A	254.4	A	308.4	A	365.7	A
	Southwest	221.8	A	197.7	A	167.8	A	242.4	A	205.8	A	330.7	A
Morris Avenue and East Kingsbridge Road	Northwest	178.4	A	259.9	A	168.4	A	229.7	A	221.4	A	293.9	A
	Northeast	172.7	A	233.5	A	175.0	A	212.8	A	186.0	A	278.8	A
Creston Avenue and East Kingsbridge Road	Northwest	215.0	A	268.1	A	203.6	A	256.5	A	230.0	A	312.5	A
	Northeast	99.6	A	148.7	A	107.9	A	130.7	A	140.3	A	185.2	A
Grand Concourse and East Kingsbridge Road	Northwest	129.2	A	200.3	A	144.6	A	190.8	A	189.1	A	327.5	A
Goulden Avenue and West 197th Street	Northwest	N/A	N/A	N/A	N/A	N/A	N/A	1897.5	A	N/A	N/A	4897.2	A
Note: SFP = square foot per pedestrian													

Table D-11c

**2032 No Action Condition Crosswalks Level of Service Analysis**

Location	Crosswalk	Crosswalk Length (ft)	Crosswalk Width (ft)	Two-way Peak Hour Volume	SFP	LOS
<b>Weekday AM Peak Hour</b>						
Reservoir Avenue and West 195th Street	South	60.0	14.0	290	56.6	B
Reservoir Avenue and West Kingsbridge Road	North	43.0	19.0	403	148.6	A
Jerome Avenue and W 195th Street	South	23.0	15.0	172	93.6	A
	West	60.0	21.5	629	114.5	A
Jerome Avenue and East/West Kingsbridge Road	North	40.0	15.0	339	78.9	A
	West	49.5	18.0	450	77.2	A
Morris Avenue and East Kingsbridge Road	North	30.0	19.0	708	82.1	A
Creston Avenue and East Kingsbridge Road	North	30.0	15.0	605	69.9	A
<b>Weekday Midday Peak Hour</b>						
Reservoir Avenue and West 195th Street	South	60.0	14.0	110	134.1	A
Reservoir Avenue and West Kingsbridge Road	North	43.0	19.0	283	186.1	A
Jerome Avenue and W 195th Street	South	23.0	15.0	64	209.5	A
	West	60.0	21.5	365	178.0	A
Jerome Avenue and East/West Kingsbridge Road	North	40.0	15.0	268	97.2	A
	West	49.5	18.0	358	78.0	A
Morris Avenue and East Kingsbridge Road	North	30.0	19.0	553	114.1	A
Creston Avenue and East Kingsbridge Road	North	30.0	15.0	460	85.8	A
<b>Weekday PM Peak Hour</b>						
Reservoir Avenue and West 195th Street	South	60.0	14.0	131	128.5	A
Reservoir Avenue and West Kingsbridge Road	North	43.0	19.0	466	130.5	A
Jerome Avenue and W 195th Street	South	23.0	15.0	87	160.7	A
	West	60.0	21.5	381	199.0	A
Jerome Avenue and East/West Kingsbridge Road	North	40.0	15.0	384	77.2	A
	West	49.5	18.0	479	75.1	A
Morris Avenue and East Kingsbridge Road	North	30.0	19.0	675	90.5	A
Creston Avenue and East Kingsbridge Road	North	30.0	15.0	682	69.6	A

## 2032 No Action Condition Crosswalks Level of Service Analysis

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

**Table D-12a**  
**2032 With Action Condition Sidewalks Level of Service Analysis**

Location	Sidewalk	Effective Width (ft)	Two-way Peak Hour Volume	PHF	SFP	Platoon LOS
<b>Weekday AM Peak Hour</b>						
West Kingsbridge Road between University Avenue and Reservoir Avenue	North	12.0	677	0.87	221.1	B
West 195th Street between Reservoir Avenue and National Guard's West Retail Entrances	South	13.0	731	0.68	173.0	B
West 195th Street between Residential/Amory North Main and National Guard's Middle Retail Entrances	South	13.0	793	0.86	202.9	B
West Kingsbridge Road at Barnhill Square	North	9.0	596	0.85	184.6	B
West Kingsbridge Road between Reservoir Avenue and Armory's South Entrance	North	14.0	675	0.80	239.2	B
West Kingsbridge Road between Davidson Avenue and Armory's Southeast Entrance	North	12.0	693	0.76	189.0	B
West Kingsbridge Road between Armory's South Entrance and Davidson Avenue	North	14.0	748	0.80	215.9	B
West 195th Street between National Guard's East Residential and East Local Retail Entrances	South	13.0	880	0.86	182.8	B
West 195th Street between National Guard's Middle Local Retail and East Residential Entrances	South	13.0	789	0.86	203.9	B
Jerome Avenue between West 195th Street and Armory's East Main Entrance	West	17.0	1097	0.74	165.6	B
West 195th Street between National Guard's East Residential Entrance and Jerome Avenue	South	7.5	1006	0.74	79.3	C
Jerome Avenue between East 196th Street and West 195th Street	West	13.0	888	0.86	181.1	B
Jerome Avenue between Armory's Northeast Main and Southeast Main Entrance	West	12.0	1116	0.74	114.7	B
East Kingsbridge Road between Jerome Avenue and Morris Avenue	North	8.0	1243	0.80	73.3	C
Jerome Avenue between West Kingsbridge Road and East 193rd Street	West	6.5	306	0.71	215.8	B
Jerome Avenue between Southeast Main Entrance and West Kingsbridge Road	West	8.5	1052	0.74	85.7	C
East Kingsbridge Road between Morris Avenue and Creston Avenue	North	11.0	962	0.80	131.3	B
East Kingsbridge Road between Creston Avenue and Grand Concourse	North	2.0	721	0.83	31.8	D
<b>Weekday Midday Peak Hour</b>						
West Kingsbridge Road between University Avenue and Reservoir Avenue	North	12.0	556	0.92	285.2	B
West 195th Street between Reservoir Avenue and National Guard's West Retail Entrances	South	13.0	347	0.71	383.6	B
West 195th Street between Residential/Amory North Main and National Guard's Middle Retail Entrances	South	13.0	545	0.63	216.7	B
West Kingsbridge Road at Barnhill Square	North	9.0	463	0.84	234.1	B
West Kingsbridge Road between Reservoir Avenue and Armory's South Entrance	North	14.0	445	0.87	394.1	B
West Kingsbridge Road between Davidson Avenue and Armory's Southeast Entrance	North	12.0	491	0.88	308.3	B
West Kingsbridge Road between Armory's South Entrance and Davidson Avenue	North	14.0	546	0.87	321.2	B
West 195th Street between National Guard's East Residential and East Local Retail Entrances	South	13.0	601	0.63	196.4	B
West 195th Street between National Guard's Middle Local Retail and East Residential Entrances	South	13.0	546	0.63	216.3	B
Jerome Avenue between West 195th Street and Armory's East Main Entrance	West	17.0	673	0.71	259.5	B
West 195th Street between National Guard's East Residential Entrance and Jerome Avenue	South	7.5	616	0.71	124.8	B
Jerome Avenue between East 196th Street and West 195th Street	West	13.0	614	0.63	192.3	B
Jerome Avenue between Armory's Northeast Main and Southeast Main Entrance	West	12.0	698	0.71	176.5	B
East Kingsbridge Road between Jerome Avenue and Morris Avenue	North	8.0	763	0.81	121.2	B
Jerome Avenue between West Kingsbridge Road and East 193rd Street	West	6.5	380	0.76	187.7	B
Jerome Avenue between Southeast Main Entrance and West Kingsbridge Road	West	8.5	643	0.72	136.8	B
East Kingsbridge Road between Morris Avenue and Creston Avenue	North	11.0	830	0.90	171.6	B
East Kingsbridge Road between Creston Avenue and Grand Concourse	North	2.0	587	0.81	38.7	D
<b>Weekday PM Peak Hour</b>						
West Kingsbridge Road between University Avenue and Reservoir Avenue	North	12.0	760	0.74	168.7	B
West 195th Street between Reservoir Avenue and National Guard's West Retail Entrances	South	13.0	483	0.64	247.0	B
West 195th Street between Residential/Amory North Main and National Guard's Middle Retail Entrances	South	13.0	791	0.59	140.1	B
West Kingsbridge Road at Barnhill Square	North	9.0	763	0.74	125.4	B
West Kingsbridge Road between Reservoir Avenue and Armory's South Entrance	North	14.0	553	0.89	325.9	B
West Kingsbridge Road between Davidson Avenue and Armory's Southeast Entrance	North	12.0	816	0.79	166.7	B
West Kingsbridge Road between Armory's South Entrance and Davidson Avenue	North	14.0	652	0.89	276.4	B
West 195th Street between National Guard's East Residential and East Local Retail Entrances	South	13.0	879	0.59	126.0	B
West 195th Street between National Guard's Middle Local Retail and East Residential Entrances	South	13.0	796	0.59	139.2	B
Jerome Avenue between West 195th Street and Armory's East Main Entrance	West	17.0	810	0.70	210.3	B
West 195th Street between National Guard's East Residential Entrance and Jerome Avenue	South	7.5	710	0.70	105.5	B
Jerome Avenue between East 196th Street and West 195th Street	West	13.0	896	0.59	123.6	B
Jerome Avenue between Armory's Northeast Main and Southeast Main Entrance	West	12.0	838	0.70	143.3	B
East Kingsbridge Road between Jerome Avenue and Morris Avenue	North	8.0	1163	0.84	82.7	C
Jerome Avenue between West Kingsbridge Road and East 193rd Street	West	6.5	405	0.68	157.4	B
Jerome Avenue between Southeast Main Entrance and West Kingsbridge Road	West	8.5	805	0.76	115.7	B
East Kingsbridge Road between Morris Avenue and Creston Avenue	North	11.0	1180	0.88	117.4	B
East Kingsbridge Road between Creston Avenue and Grand Concourse	North	2.0	905	0.89	26.8	D

**Table D-12a**  
**2032 With Action Condition Sidewalks Level of Service Analysis**

Location	Sidewalk	Effective Width (ft)	Two-way Peak Hour Volume	PHF	SFP	Platoon LOS
<b>Weekday Evening Peak Hour</b>						
West Kingsbridge Road between University Avenue and Reservoir Avenue	North	12.0	566	0.91	277.3	B
Reservoir Avenue between Strong Street and West 195th Street	East	11.5	2922	0.37	19.0	E
Reservoir Avenue between West 195th Street and Loading Dock Entrance	East	31.0	2125	0.46	96.2	B
West 195th Street between Reservoir Avenue and National Guard's West Retail Entrances	South	13.0	1184	0.73	115.2	B
West 195th Street between National Guard's West Retail and Residential/Amory North Main Entrances	South	13.0	1128	0.73	121.0	B
West 195th Street between Residential/Amory North Main and National Guard's Middle Retail Entrances	South	13.0	2759	0.71	47.3	C
Reservoir Avenue between Amory's Southwest Main Entrances and Loading Dock Entrance	East	32.5	3183	0.51	74.8	C
West Kingsbridge Road at Barnhill Square	North	9.0	512	0.89	226.3	B
West Kingsbridge Road between Reservoir Avenue and Amory's South Entrance	North	14.0	4533	0.76	32.3	D
West Kingsbridge Road between Davidson Avenue and Amory's Southeast Entrance	North	12.0	4360	0.88	33.7	D
West Kingsbridge Road between Amory's South Entrance and Davidson Avenue	North	14.0	4562	0.76	32.0	D
West 195th Street between National Guard's East Residential and East Local Retail Entrances	South	13.0	2787	0.71	46.8	C
West 195th Street between National Guard's Middle Local Retail and East Residential Entrances	South	13.0	2716	0.71	48.1	C
Jerome Avenue between West 195th Street and Amory's East Main Entrance	West	17.0	2695	0.65	58.2	C
West 195th Street between National Guard's East Residential Entrance and Jerome Avenue	South	7.5	470	0.65	148.9	B
Jerome Avenue between East 196th Street and West 195th Street	West	13.0	2802	0.71	46.5	C
Jerome Avenue between Amory's Northeast Main and Southeast Main Entrance	West	12.0	3195	0.65	33.8	D
East Kingsbridge Road between Jerome Avenue and Morris Avenue	North	8.0	2855	0.89	34.8	D
Jerome Avenue between West Kingsbridge Road and East 193rd Street	West	6.5	301	0.84	261.0	B
Jerome Avenue between Southeast Main Entrance and West Kingsbridge Road	West	8.5	671	0.66	119.6	B
East Kingsbridge Road between Morris Avenue and Creston Avenue	North	11.0	2867	0.83	44.9	C
East Kingsbridge Road between Creston Avenue and Grand Concourse	North	2.0	2610	0.88	5.0	F
Grand Concourse between East Kingsbridge Road and Subway Entrance	West	5.5	2421	0.84	25.7	D
Goulden Avenue between East 197th Street and Strong Street	East	9.0	2867	0.49	20.2	E
Goulden Avenue North of West 197th Street	West	4.0	2854	0.64	9.6	F
<b>Saturday Midday/Afternoon Peak Hour</b>						
West Kingsbridge Road between University Avenue and Reservoir Avenue	North	12.0	677	0.87	222.9	B
West 195th Street between Reservoir Avenue and National Guard's West Retail Entrances	South	13.0	430	0.64	276.9	B
West 195th Street between Residential/Amory North Main and National Guard's Middle Retail Entrances	South	13.0	773	0.72	174.2	B
West Kingsbridge Road at Barnhill Square	North	9.0	626	0.83	170.6	B
West Kingsbridge Road between Reservoir Avenue and Amory's South Entrance	North	14.0	573	0.74	261.3	B
West Kingsbridge Road between Davidson Avenue and Amory's Southeast Entrance	North	12.0	625	0.87	240.4	B
West Kingsbridge Road between Amory's South Entrance and Davidson Avenue	North	14.0	701	0.74	213.6	B
West 195th Street between National Guard's East Residential and East Local Retail Entrances	South	13.0	871	0.72	154.6	B
West 195th Street between National Guard's Middle Local Retail and East Residential Entrances	South	13.0	775	0.72	173.8	B
Jerome Avenue between West 195th Street and Amory's East Main Entrance	West	17.0	558	0.74	324.0	B
West 195th Street between National Guard's East Residential Entrance and Jerome Avenue	South	7.5	461	0.74	172.8	B
Jerome Avenue between East 196th Street and West 195th Street	West	13.0	893	0.72	150.8	B
Jerome Avenue between Amory's Northeast Main and Southeast Main Entrance	West	12.0	574	0.74	222.2	B
East Kingsbridge Road between Jerome Avenue and Morris Avenue	North	8.0	1108	0.85	87.8	C
Jerome Avenue between West Kingsbridge Road and East 193rd Street	West	6.5	404	0.79	181.7	B
Jerome Avenue between Southeast Main Entrance and West Kingsbridge Road	West	8.5	494	0.82	202.0	B
East Kingsbridge Road between Morris Avenue and Creston Avenue	North	11.0	1092	0.93	135.2	B
East Kingsbridge Road between Creston Avenue and Grand Concourse	North	2.0	744	0.83	30.9	D
<b>Saturday Evening Peak Hour</b>						
West Kingsbridge Road between University Avenue and Reservoir Avenue	North	12.0	520	0.87	288.4	B
Reservoir Avenue between Strong Street and West 195th Street	East	11.5	4611	0.58	18.8	E
Reservoir Avenue between West 195th Street and Loading Dock Entrance	East	31.0	3358	0.45	59.7	C
West 195th Street between Reservoir Avenue and National Guard's West Retail Entrances	South	13.0	1643	0.66	74.5	C
West 195th Street between National Guard's West Retail and Residential/Amory North Main Entrances	South	13.0	1591	0.66	77.0	C
West 195th Street between Residential/Amory North Main and National Guard's Middle Retail Entrances	South	13.0	2558	0.82	59.5	C
Reservoir Avenue between Amory's Southwest Main Entrances and Loading Dock Entrance	East	32.5	3575	0.66	85.4	C
West Kingsbridge Road at Barnhill Square	North	9.0	487	0.72	192.2	B
West Kingsbridge Road between Reservoir Avenue and Amory's South Entrance	North	14.0	3664	0.82	44.1	C
West Kingsbridge Road between Davidson Avenue and Amory's Southeast Entrance	North	12.0	3610	0.80	37.0	D
West Kingsbridge Road between Amory's South Entrance and Davidson Avenue	North	14.0	3636	0.82	44.4	C
West 195th Street between National Guard's East Residential and East Local Retail Entrances	South	13.0	2572	0.82	59.1	C
West 195th Street between National Guard's Middle Local Retail and East Residential Entrances	South	13.0	2514	0.82	60.5	C
Jerome Avenue between West 195th Street and Amory's East Main Entrance	West	17.0	2364	0.77	79.5	C
West 195th Street between National Guard's East Residential Entrance and Jerome Avenue	South	7.5	288	0.77	289.6	B
Jerome Avenue between East 196th Street and West 195th Street	West	13.0	2585	0.82	58.8	C
Jerome Avenue between Amory's Northeast Main and Southeast Main Entrance	West	12.0	2403	0.77	54.8	C
East Kingsbridge Road between Jerome Avenue and Morris Avenue	North	8.0	2306	0.75	36.1	D
Jerome Avenue between West Kingsbridge Road and East 193rd Street	West	6.5	308	0.72	219.4	B
Jerome Avenue between Southeast Main Entrance and West Kingsbridge Road	West	8.5	412	0.86	256.8	B
East Kingsbridge Road between Morris Avenue and Creston Avenue	North	11.0	2201	0.86	61.3	C
East Kingsbridge Road between Creston Avenue and Grand Concourse	North	2.0	2047	0.85	8.2	F
Grand Concourse between East Kingsbridge Road and Subway Entrance	West	5.5	1865	0.90	36.9	D
Goulden Avenue between East 197th Street and Strong Street	East	9.0	4608	0.50	10.9	F
Goulden Avenue North of West 197th Street	West	4.0	4625	0.73	4.1	F

Note: SFP = square feet per pedestrian.

**Table D-12b**

Location	Corner	Weekday AM Peak Hour		Weekday Midday Peak Hour		Weekday PM Peak Hour		Weekday Evening Peak Hour		Saturday Midday/Afternoon Peak		Saturday Evening Peak Hour	
		SFP	LOS	SFP	LOS	SFP	LOS	SFP	LOS	SFP	LOS	SFP	LOS
University Avenue and West Kingsbridge Road	Northwest	283.4	A	306.5	A	229.1	A	305.1	A	265.6	A	379.8	A
	Northeast	281.6	A	304.3	A	219.3	A	261.8	A	223.3	A	300.7	A
	Southeast	392.1	A	369.1	A	229.1	A	298.5	A	322.3	A	433.1	A
Reservoir Avenue and West 195th Street	Northeast	N/A	N/A	N/A	N/A	N/A	N/A	21.6	D	N/A	N/A	-0.5	F
	Southwest	126.7	A	257.3	A	230.2	A	383.4	A	277.4	A	458.1	A
	Southeast	278.3	A	652.9	A	451.4	A	88.5	A	639.9	A	46.3	B
Reservoir Avenue and West Kingsbridge Road	Northwest	234.7	A	358.2	A	244.6	A	348.0	A	323.6	A	376.6	A
Jerome Avenue and East 196th Street	Southeast	249.1	A	619.3	A	398.6	A	603.2	A	525.4	A	726.4	A
Jerome Avenue and W 195th Street	Northwest	121.6	A	273.1	A	219.6	A	295.1	A	374.8	A	445.9	A
	Southwest	258.6	A	386.6	A	309.3	A	134.0	A	377.7	A	162.5	A
Jerome Avenue and East/West Kingsbridge Road	Northwest	265.5	A	343.0	A	258.2	A	78.8	A	310.2	A	109.2	A
	Northeast	121.9	A	198.2	A	144.9	A	57.0	B	199.5	A	83.8	A
	Southwest	166.8	A	154.9	A	129.3	A	179.3	A	149.1	A	231.6	A
Morris Avenue and East Kingsbridge Road	Northwest	140.5	A	200.6	A	131.8	A	65.0	A	160.2	A	83.3	A
	Northeast	131.1	A	177.3	A	131.2	A	45.3	B	134.0	A	61.9	A
Creston Avenue and East Kingsbridge Road	Northwest	162.8	A	202.6	A	155.3	A	61.0	A	164.5	A	86.6	A
	Northeast	70.6	A	101.3	A	76.2	A	10.8	E	85.4	A	24.5	C
Grand Concourse and East Kingsbridge Road	Northwest	98.2	A	145.1	A	104.3	A	34.0	C	125.9	A	55.7	B
Goulden Avenue and West 197th Street	Northwest	N/A	N/A	N/A	N/A	N/A	N/A	38.4	C	N/A	N/A	22.0	D
Note: SFP = square foot per pedestrian													

Table D-12c

**2032 With Action Condition Crosswalks Level of Service Analysis**

Location	Crosswalk	Crosswalk Length (ft)	Crosswalk Width (ft)	Two-way Peak Hour Volume	SFP	LOS
<b>Weekday AM Peak Hour</b>						
Reservoir Avenue and West 195th Street	South	60.0	14.0	394	39.0	C
Reservoir Avenue and West Kingsbridge Road	North	43.0	19.0	586	100.6	A
Jerome Avenue and W 195th Street	South	23.0	15.0	383	37.8	C
	West	50.5	21.5	824	79.5	A
Jerome Avenue and East/West Kingsbridge Road	North	40.0	15.0	565	44.7	B
	West	49.5	18.0	611	55.3	B
Morris Avenue and East Kingsbridge Road	North	30.0	19.0	975	58.1	B
Creston Avenue and East Kingsbridge Road	North	30.0	15.0	844	48.6	B
<b>Weekday Midday Peak Hour</b>						
Reservoir Avenue and West 195th Street	South	60.0	14.0	240	57.7	B
Reservoir Avenue and West Kingsbridge Road	North	43.0	19.0	439	118.1	A
Jerome Avenue and W 195th Street	South	23.0	15.0	247	48.7	B
	West	50.5	21.5	544	112.2	A
Jerome Avenue and East/West Kingsbridge Road	North	40.0	15.0	483	51.6	B
	West	49.5	18.0	515	52.9	B
Morris Avenue and East Kingsbridge Road	North	30.0	19.0	787	78.9	A
Creston Avenue and East Kingsbridge Road	North	30.0	15.0	670	57.7	B
<b>Weekday PM Peak Hour</b>						
Reservoir Avenue and West 195th Street	South	60.0	14.0	308	48.3	B
Reservoir Avenue and West Kingsbridge Road	North	43.0	19.0	651	92.0	A
Jerome Avenue and W 195th Street	South	23.0	15.0	336	35.3	C
	West	50.5	21.5	606	115.1	A
Jerome Avenue and East/West Kingsbridge Road	North	40.0	15.0	636	44.3	B
	West	49.5	18.0	671	52.1	B
Morris Avenue and East Kingsbridge Road	North	30.0	19.0	973	61.1	A
Creston Avenue and East Kingsbridge Road	North	30.0	15.0	947	48.6	B

## 2032 With Action Condition Crosswalks Level of Service Analysis

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

Table D-13a  
2032 No Action and With Action Conditions Sidewalks Level of Service Analysis

Location	2032 No Action						2032 With Action						Impact Determination
	Sidewalk	Effective Width (ft)	Two-way Peak Hour Volume	PHF	SFP	Platoon LOS	Sidewalk	Effective Width (ft)	Two-way Peak Hour Volume	PHF	SFP	Platoon LOS	
Weekday AM Peak Hour													
West Kingsbridge Road between University Avenue and Reservoir Avenue	North	12.0	501	0.87	298.9	B	North	12.0	677	0.87	221.1	B	
West 195th Street between Reservoir Avenue and National Guard's West Retail Entrances	South	11.0	563	0.68	190.1	B	South	13.0	731	0.68	173.0	B	
West 195th Street between Residential/Amory North Main and National Guard's Middle Retail Entrances	South	11.0	358	0.86	380.5	B	South	13.0	793	0.86	202.9	B	
West Kingsbridge Road at Barnhill Square	North	9.0	332	0.85	331.7	B	North	9.0	596	0.85	184.6	B	
West Kingsbridge Road between Reservoir Avenue and Armory's South Entrance	North	12.0	492	0.80	281.4	B	North	14.0	675	0.80	239.2	B	
West Kingsbridge Road between Davidson Avenue and Armory's Southeast Entrance	North	12.0	513	0.76	255.5	B	North	12.0	693	0.76	189.0	B	
West Kingsbridge Road between Armory's South Entrance and Davidson Avenue	North	12.0	492	0.80	281.4	B	North	14.0	748	0.80	215.9	B	
West 195th Street between National Guard's East Residential and East Local Retail Entrances	South	11.0	358	0.86	380.5	B	South	13.0	880	0.86	182.8	B	
West 195th Street between National Guard's Middle Local Retail and East Residential Entrances	South	11.0	358	0.86	380.5	B	South	13.0	789	0.86	203.9	B	
Jerome Avenue between West 195th Street and Armory's East Main Entrance	West	17.0	815	0.74	223.1	B	West	17.0	1097	0.74	165.6	B	
West 195th Street between National Guard's East Residential Entrance and Jerome Avenue	South	7.5	815	0.74	98.1	B	South	7.5	1006	0.74	79.3	C	
Jerome Avenue between East 196th Street and West 195th Street	West	11.0	358	0.86	380.5	B	West	13.0	888	0.86	181.1	B	
Jerome Avenue between Armory's Northeast Main and Southeast Main Entrance	West	12.0	816	0.74	157.2	B	West	12.0	1116	0.74	114.7	B	
East Kingsbridge Road between Jerome Avenue and Morris Avenue	North	8.0	944	0.80	96.9	B	North	8.0	1243	0.80	73.3	C	
Jerome Avenue between West Kingsbridge Road and East 193rd Street	West	6.5	164	0.71	402.9	B	West	6.5	306	0.71	215.8	B	
Jerome Avenue between Southeast Main Entrance and West Kingsbridge Road	West	8.5	871	0.74	103.7	B	West	8.5	1052	0.74	85.7	C	
East Kingsbridge Road between Morris Avenue and Creston Avenue	North	11.0	705	0.80	179.4	B	North	11.0	962	0.80	131.3	B	
East Kingsbridge Road between Creston Avenue and Grand Concourse	North	2.0	501	0.83	46.8	C	North	2.0	721	0.83	31.8	D	
Weekday Midday Peak Hour													
West Kingsbridge Road between University Avenue and Reservoir Avenue	North	12.0	392	0.92	404.7	B	North	12.0	556	0.92	285.2	B	
West 195th Street between Reservoir Avenue and National Guard's West Retail Entrances	South	11.0	170	0.71	662.6	A	South	13.0	347	0.71	383.6	B	
West 195th Street between Residential/Amory North Main and National Guard's Middle Retail Entrances	South	11.0	153	0.63	653.6	A	South	13.0	545	0.63	216.7	B	
West Kingsbridge Road at Barnhill Square	North	9.0	238	0.84	455.7	B	North	9.0	463	0.84	234.1	B	
West Kingsbridge Road between Reservoir Avenue and Armory's South Entrance	North	12.0	283	0.87	531.3	A	North	14.0	445	0.87	394.1	B	
West Kingsbridge Road between Davidson Avenue and Armory's Southeast Entrance	North	12.0	299	0.88	506.5	B	North	12.0	491	0.88	308.3	B	
West Kingsbridge Road between Armory's South Entrance and Davidson Avenue	North	12.0	283	0.87	531.3	A	North	14.0	546	0.87	321.2	B	
West 195th Street between National Guard's East Residential and East Local Retail Entrances	South	11.0	153	0.63	653.6	A	South	13.0	601	0.63	196.4	B	
West 195th Street between National Guard's Middle Local Retail and East Residential Entrances	South	11.0	153	0.63	653.6	A	South	13.0	546	0.63	216.3	B	
Jerome Avenue between West 195th Street and Armory's East Main Entrance	West	17.0	440	0.71	397.0	B	West	17.0	673	0.71	259.5	B	
West 195th Street between National Guard's East Residential Entrance and Jerome Avenue	South	7.5	440	0.71	175.0	B	South	7.5	616	0.71	124.8	B	
Jerome Avenue between East 196th Street and West 195th Street	West	11.0	153	0.63	653.6	A	West	13.0	614	0.63	192.3	B	
Jerome Avenue between Armory's Northeast Main and Southeast Main Entrance	West	12.0	441	0.71	279.5	B	West	12.0	698	0.71	176.5	B	
East Kingsbridge Road between Jerome Avenue and Morris Avenue	North	8.0	496	0.81	186.7	B	North	8.0	763	0.81	121.2	B	
Jerome Avenue between West Kingsbridge Road and East 193rd Street	West	6.5	239	0.76	298.7	B	West	6.5	380	0.76	187.7	B	
Jerome Avenue between Southeast Main Entrance and West Kingsbridge Road	West	8.5	469	0.72	187.7	B	West	8.5	643	0.72	136.8	B	
East Kingsbridge Road between Morris Avenue and Creston Avenue	North	11.0	603	0.90	236.3	B	North	11.0	830	0.90	171.6	B	
East Kingsbridge Road between Creston Avenue and Grand Concourse	North	2.0	394	0.81	58.6	C	North	2.0	587	0.81	38.7	D	
Weekday PM Peak Hour													
West Kingsbridge Road between University Avenue and Reservoir Avenue	North	12.0	555	0.74	231.2	B	North	12.0	760	0.74	168.7	B	
West 195th Street between Reservoir Avenue and National Guard's West Retail Entrances	South	11.0	234	0.64	431.5	B	South	13.0	483	0.64	247.0	B	
West 195th Street between Residential/Amory North Main and National Guard's Middle Retail Entrances	South	11.0	262	0.59	358.7	B	South	13.0	791	0.59	140.1	B	
West Kingsbridge Road at Barnhill Square	North	9.0	487	0.74	196.9	B	North	9.0	763	0.74	125.4	B	
West Kingsbridge Road between Reservoir Avenue and Armory's South Entrance	North	12.0	358	0.89	431.6	B	North	14.0	553	0.89	325.9	B	
West Kingsbridge Road between Davidson Avenue and Armory's Southeast Entrance	North	12.0	608	0.79	223.9	B	North	12.0	816	0.79	166.7	B	
West Kingsbridge Road between Armory's South Entrance and Davidson Avenue	North	12.0	358	0.89	431.6	B	North	14.0	652	0.89	276.4	B	
West 195th Street between National Guard's East Residential and East Local Retail Entrances	South	11.0	262	0.59	358.7	B	South	13.0	879	0.59	126.0	B	
West 195th Street between National Guard's Middle Local Retail and East Residential Entrances	South	11.0	262	0.59	358.7	B	South	13.0	796	0.59	139.2	B	
Jerome Avenue between West 195th Street and Armory's East Main Entrance	West	17.0	489	0.70	348.6	B	West	17.0	810	0.70	210.3	B	
West 195th Street between National Guard's East Residential Entrance and Jerome Avenue	South	7.5	489	0.70	153.5	B	South	7.5	710	0.70	105.5	B	
Jerome Avenue between East 196th Street and West 195th Street	West	11.0	262	0.59	358.7	B	West	13.0	896	0.59	123.6	B	

Table D-13a  
2032 No Action and With Action Conditions Sidewalks Level of Service Analysis

Location	2032 No Action						2032 With Action						Impact Determination
	Sidewalk	Effective Width (ft)	Two-way Peak Hour Volume	PHF	SFP	Platoon LOS	Sidewalk	Effective Width (ft)	Two-way Peak Hour Volume	PHF	SFP	Platoon LOS	
Jerome Avenue between Armory's Northeast Main and Southeast Main Entrance	West	12.0	490	0.70	245.5	B	West	12.0	838	0.70	143.3	B	
East Kingsbridge Road between Jerome Avenue and Morris Avenue	North	8.0	825	0.84	116.9	B	North	8.0	1163	0.84	82.7	C	
Jerome Avenue between West Kingsbridge Road and East 193rd Street	West	6.5	236	0.68	270.5	B	West	6.5	405	0.68	157.4	B	
Jerome Avenue between Southeast Main Entrance and West Kingsbridge Road	West	8.5	581	0.76	160.5	B	West	8.5	805	0.76	115.7	B	
East Kingsbridge Road between Morris Avenue and Creston Avenue	North	11.0	893	0.88	155.3	B	North	11.0	1180	0.88	117.4	B	
East Kingsbridge Road between Creston Avenue and Grand Concourse	North	2.0	663	0.89	37.6	D	North	2.0	905	0.89	26.8	D	X
Weekday Evening Peak Hour													
West Kingsbridge Road between University Avenue and Reservoir Avenue	North	12.0	399	0.91	393.5	B	North	12.0	566	0.91	277.3	B	
Reservoir Avenue between Strong Street and West 195th Street	East	11.5	117	0.37	528.4	B	East	11.5	2922	0.37	19.0	E	X
Reservoir Avenue between West 195th Street and Loading Dock Entrance	East	11.0	46	0.46	1584.0	A	East	31.0	2125	0.46	96.2	B	
West 195th Street between Reservoir Avenue and National Guard's West Retail Entrances	South	11.0	121	0.73	957.2	A	South	13.0	1184	0.73	115.2	B	
West 195th Street between National Guard's West Retail and Residential/Amory North Main Entrances	South	11.0	121	0.73	957.2	A	South	13.0	1128	0.73	121.0	B	
West 195th Street between Residential/Amory North Main and National Guard's Middle Retail Entrances	South	11.0	149	0.71	755.6	A	South	13.0	2759	0.71	47.3	C	
Reservoir Avenue between Amory's Southwest Main Entrances and Loading Dock Entrance	East	11.0	41	0.51	1980.0	A	East	32.5	3183	0.51	74.8	C	
West Kingsbridge Road at Barnhill Square	North	9.0	280	0.89	414.0	B	North	9.0	512	0.89	226.3	B	
West Kingsbridge Road between Reservoir Avenue and Armory's South Entrance	North	12.0	554	0.76	235.5	B	North	14.0	4533	0.76	32.3	D	
West Kingsbridge Road between Davidson Avenue and Armory's Southeast Entrance	North	12.0	413	0.88	369.7	B	North	12.0	4360	0.88	33.7	D	
West Kingsbridge Road between Armory's South Entrance and Davidson Avenue	North	12.0	554	0.76	235.5	B	North	14.0	4562	0.76	32.0	D	
West 195th Street between National Guard's East Residential and East Local Retail Entrances	South	11.0	149	0.71	755.6	A	South	13.0	2787	0.71	46.8	C	
West 195th Street between National Guard's Middle Local Retail and East Residential Entrances	South	11.0	149	0.71	755.6	A	South	13.0	2716	0.71	48.1	C	
Jerome Avenue between West 195th Street and Armory's East Main Entrance	West	17.0	300	0.65	529.6	B	West	17.0	2695	0.65	58.2	C	
West 195th Street between National Guard's East Residential Entrance and Jerome Avenue	South	7.5	300	0.65	233.5	B	South	7.5	470	0.65	148.9	B	
Jerome Avenue between East 196th Street and West 195th Street	West	11.0	149	0.71	755.6	A	West	13.0	2802	0.71	46.5	C	
Jerome Avenue between Armory's Northeast Main and Southeast Main Entrance	West	12.0	301	0.65	372.5	B	West	12.0	3195	0.65	33.8	D	
East Kingsbridge Road between Jerome Avenue and Morris Avenue	North	8.0	615	0.89	167.0	B	North	8.0	2855	0.89	34.8	D	
Jerome Avenue between West Kingsbridge Road and East 193rd Street	West	6.5	170	0.84	462.4	B	West	6.5	301	0.84	261.0	B	
Jerome Avenue between Southeast Main Entrance and West Kingsbridge Road	West	8.5	348	0.66	231.1	B	West	8.5	671	0.66	119.6	B	
East Kingsbridge Road between Morris Avenue and Creston Avenue	North	11.0	657	0.83	200.0	B	North	11.0	2867	0.83	44.9	C	
East Kingsbridge Road between Creston Avenue and Grand Concourse	North	2.0	438	0.88	56.8	C	North	2.0	2610	0.88	5.0	F	X
Grand Concourse between East Kingsbridge Road and Subway Entrance	West	5.5	326	0.84	202.9	B	West	5.5	2421	0.84	25.7	D	X
Goulden Avenue between East 197th Street and Strong Street	East	9.0	62	0.49	1028.3	A	East	9.0	2867	0.49	20.2	E	X
Goulden Avenue North of West 197th Street	West	4.0	49	0.64	757.8	A	West	4.0	2854	0.64	9.6	F	X
Saturday Midday/Afternoon Peak Hour													
West Kingsbridge Road between University Avenue and Reservoir Avenue	North	12.0	428	0.87	352.7	B	North	12.0	677	0.87	222.9	B	
West 195th Street between Reservoir Avenue and National Guard's West Retail Entrances	South	11.0	146	0.64	690.3	A	South	13.0	430	0.64	276.9	B	
West 195th Street between Residential/Amory North Main and National Guard's Middle Retail Entrances	South	11.0	153	0.72	746.0	A	South	13.0	773	0.72	174.2	B	
West Kingsbridge Road at Barnhill Square	North	9.0	284	0.83	376.5	B	North	9.0	626	0.83	170.6	B	
West Kingsbridge Road between Reservoir Avenue and Armory's South Entrance	North	12.0	344	0.74	373.3	B	North	14.0	573	0.74	261.3	B	
West Kingsbridge Road between Davidson Avenue and Armory's Southeast Entrance	North	12.0	367	0.87	409.6	B	North	12.0	625	0.87	240.4	B	
West Kingsbridge Road between Armory's South Entrance and Davidson Avenue	North	12.0	344	0.74	373.3	B	North	14.0	701	0.74	213.6	B	
West 195th Street between National Guard's East Residential and East Local Retail Entrances	South	11.0	153	0.72	746.0	A	South	13.0	871	0.72	154.6	B	
West 195th Street between National Guard's Middle Local Retail and East Residential Entrances	South	11.0	153	0.72	746.0	A	South	13.0	775	0.72	173.8	B	
Jerome Avenue between West 195th Street and Armory's East Main Entrance	West	17.0	201	0.74	899.7	A	West	17.0	558	0.74	324.0	B	
West 195th Street between National Guard's East Residential Entrance and Jerome Avenue	South	7.5	201	0.74	396.9	B	South	7.5	461	0.74	172.8	B	
Jerome Avenue between East 196th Street and West 195th Street	West	11.0	153	0.72	746.0	A	West	13.0	893	0.72	150.8	B	
Jerome Avenue between Armory's Northeast Main and Southeast Main Entrance	West	12.0	202	0.74	631.9	A	West	12.0	574	0.74	222.2	B	
East Kingsbridge Road between Jerome Avenue and Morris Avenue	North	8.0	749	0.85	130.3	B	North	8.0	1108	0.85	87.8	C	
Jerome Avenue between West Kingsbridge Road and East 193rd Street	West	6.5	204	0.79	360.1	B	West	6.5	404	0.79	181.7	B	
Jerome Avenue between Southeast Main Entrance and West Kingsbridge Road	West	8.5	239	0.82	417.8	B	West	8.5	494	0.82	202.0	B	
East Kingsbridge Road between Morris Avenue and Creston Avenue	North	11.0	779	0.93	189.7	B	North	11.0	1092	0.93	135.2	B	
East Kingsbridge Road between Creston Avenue and Grand Concourse	North	2.0	489	0.83	48.2	C	North	2.0	744	0.83	30.9	D	X

Table D-13a

**2032 No Action and With Action Conditions Sidewalks Level of Service Analysis**

Location	2032 No Action						2032 With Action						Impact Determination
	Sidewalk	Effective Width (ft)	Two-way Peak Hour Volume	PHF	SFP	Platoon LOS	Sidewalk	Effective Width (ft)	Two-way Peak Hour Volume	PHF	SFP	Platoon LOS	
Saturday Evening Peak Hour													
West Kingsbridge Road between University Avenue and Reservoir Avenue	North	12.0	339	0.87	442.6	B	North	12.0	520	0.87	288.4	B	
Reservoir Avenue between Strong Street and West 195th Street	East	11.5	21	0.58	4600.0	A	East	11.5	4611	0.58	18.8	E	X
Reservoir Avenue between West 195th Street and Loading Dock Entrance	East	11.0	20	0.45	3600.0	A	East	31.0	3358	0.45	59.7	C	
West 195th Street between Reservoir Avenue and National Guard's West Retail Entrances	South	11.0	60	0.66	1740.0	A	South	13.0	1643	0.66	74.5	C	
West 195th Street between National Guard's West Retail and Residential/Amory North Main Entrances	South	11.0	60	0.66	1740.0	A	South	13.0	1591	0.66	77.0	C	
West 195th Street between Residential/Amory North Main and National Guard's Middle Retail Entrances	South	11.0	83	0.82	1570.5	A	South	13.0	2558	0.82	59.5	C	
Reservoir Avenue between Amory's Southwest Main Entrances and Loading Dock Entrance	East	11.0	21	0.66	4950.0	A	East	32.5	3575	0.66	85.4	C	
West Kingsbridge Road at Barnhill Square	North	9.0	221	0.72	423.9	B	North	9.0	487	0.72	192.2	B	
West Kingsbridge Road between Reservoir Avenue and Armory's South Entrance	North	12.0	243	0.82	582.6	A	North	14.0	3664	0.82	44.1	C	
West Kingsbridge Road between Davidson Avenue and Armory's Southeast Entrance	North	12.0	279	0.80	493.6	B	North	12.0	3610	0.80	37.0	D	
West Kingsbridge Road between Armory's South Entrance and Davidson Avenue	North	12.0	243	0.82	582.6	A	North	14.0	3636	0.82	44.4	C	
West 195th Street between National Guard's East Residential and East Local Retail Entrances	South	11.0	83	0.82	1570.5	A	South	13.0	2572	0.82	59.1	C	
West 195th Street between National Guard's Middle Local Retail and East Residential Entrances	South	11.0	83	0.82	1570.5	A	South	13.0	2514	0.82	60.5	C	
Jerome Avenue between West 195th Street and Armory's East Main Entrance	West	17.0	104	0.77	1818.9	A	West	17.0	2364	0.77	79.5	C	
West 195th Street between National Guard's East Residential Entrance and Jerome Avenue	South	7.5	104	0.77	802.4	A	South	7.5	288	0.77	289.6	B	
Jerome Avenue between East 196th Street and West 195th Street	West	11.0	83	0.82	1570.5	A	West	13.0	2585	0.82	58.8	C	
Jerome Avenue between Armory's Northeast Main and Southeast Main Entrance	West	12.0	105	0.77	1271.7	A	West	12.0	2403	0.77	54.8	C	
East Kingsbridge Road between Jerome Avenue and Morris Avenue	North	8.0	541	0.75	158.8	B	North	8.0	2306	0.75	36.1	D	
Jerome Avenue between West Kingsbridge Road and East 193rd Street	West	6.5	161	0.72	420.1	B	West	6.5	308	0.72	219.4	B	
Jerome Avenue between Southeast Main Entrance and West Kingsbridge Road	West	8.5	131	0.86	808.0	A	West	8.5	412	0.86	256.8	B	
East Kingsbridge Road between Morris Avenue and Creston Avenue	North	11.0	465	0.86	293.5	B	North	11.0	2201	0.86	61.3	C	
East Kingsbridge Road between Creston Avenue and Grand Concourse	North	2.0	352	0.85	69.0	C	North	2.0	2047	0.85	8.2	F	X
Grand Concourse between East Kingsbridge Road and Subway Entrance	West	5.5	248	0.90	286.3	B	West	5.5	1865	0.90	36.9	D	
Goulden Avenue between East 197th Street and Strong Street	East	9.0	18	0.50	3600.0	A	East	9.0	4608	0.50	10.9	F	X
Goulden Avenue North of West 197th Street	West	4.0	35	0.73	1200.0	A	West	4.0	4625	0.73	4.1	F	X

**Note:** SFP = square feet per pedestrian; X denotes a significant adverse pedestrian impact.

Table D-13b

## 2032 No Action and With Action Conditions Corners Level of Service Analysis

Location	Corner	Weekday AM Peak Hour					Weekday Midday Peak Hour					Weekday PM Peak Hour					Weekday Evening Peak Hour					Saturday Midday/Afternoon Peak Hour					Saturday Evening Peak Hour				
		2032 No Action		2032 With Action		Impact Determination	2032 No Action		2032 With Action		Impact Determination	2032 No Action		2032 With Action		Impact Determination	2032 No Action		2032 With Action		Impact Determination	2032 No Action		2032 With Action		Impact Determination	2032 No Action		2032 With Action		Impact Determination
		SFP	LOS	SFP	LOS		SFP	LOS	SFP	LOS		SFP	LOS	SFP	LOS		SFP	LOS	SFP	LOS		SFP	LOS	SFP	LOS		SFP	LOS	SFP	LOS	
University Avenue and West Kingsbridge Road	Northwest	354.8	A	283.4	A		412.4	A	306.5	A		300.0	A	229.1	A		410.0	A	305.1	A		389.7	A	265.6	A		533.8	A	379.8	A	
	Northeast	360.8	A	281.6	A		397.0	A	324.3	A		280.8	A	218.3	A		331.0	A	261.8	A		299.7	A	223.3	A		363.5	A	300.7	A	
	Southeast	526.5	A	392.1	A		488.3	A	369.1	A		289.4	A	229.1	A		385.8	A	298.5	A		469.1	A	322.3	A		639.8	A	433.1	A	
Reservoir Avenue and West 195th Street	Northwest	N/A	N/A	N/A	N/A		N/A	N/A	N/A	N/A		N/A	N/A	N/A	N/A		704.1	A	21.6	D		N/A	N/A	N/A	N/A		1194.6	A	-0.5	F	X
	Southwest	151.1	A	126.7	A		425.1	A	257.3	A		410.3	A	230.2	A		680.8	A	383.4	A		586.7	A	277.4	A		991.1	A	458.1	A	
	Southeast	229.5	A	278.3	A		760.5	A	652.9	A		528.8	A	451.4	A		1198.8	A	88.5	A		1076.2	A	639.9	A		2142.7	A	46.3	B	
Reservoir Avenue and West Kingsbridge Road	Northwest	332.9	A	234.7	A		588.7	A	358.2	A		372.3	A	244.6	A		579.2	A	348.0	A		629.2	A	323.8	A		675.6	A	376.6	A	
	Southeast	288.7	A	249.1	A		931.1	A	619.3	A		539.5	A	398.6	A		901.8	A	603.2	A		1026.3	A	525.4	A		1453.0	A	726.4	A	
Jerome Avenue and W 195th Street	Northwest	145.2	A	121.6	A		375.8	A	273.1	A		305.6	A	219.6	A		533.2	A	295.1	A		1080.1	A	374.8	A		1763.8	A	445.9	A	
	Southwest	276.7	A	256.6	A		622.9	A	388.6	A		463.0	A	308.3	A		649.9	A	334.0	A		1068.0	A	377.7	A		2290.1	A	162.5	A	
	Northwest	416.2	A	285.5	A		578.4	A	343.0	A		412.2	A	258.2	A		389.9	A	78.8	A		540.6	A	310.2	A		671.3	A	109.2	A	
Jerome Avenue and East/West Kingsbridge Road	Northwest	154.2	A	121.9	A		269.4	A	198.2	A		192.1	A	144.9	A		254.4	A	57.0	B		308.4	A	199.5	A		365.7	A	83.8	A	
	Southwest	221.8	A	166.8	A		197.7	A	154.9	A		167.8	A	129.3	A		242.4	A	179.3	A		205.8	A	149.1	A		330.7	A	231.6	A	
	Northwest	178.4	A	140.5	A		259.9	A	200.6	A		168.4	A	131.8	A		223.7	A	65.0	A		221.4	A	185.2	A		293.9	A	83.3	A	
Morris Avenue and East Kingsbridge Road	Northwest	172.7	A	131.1	A		233.5	A	177.3	A		175.0	A	131.2	A		212.8	A	45.3	B		186.0	A	134.0	A		278.8	A	61.9	A	
	Northwest	215.0	A	162.8	A		268.1	A	202.6	A		203.6	A	155.3	A		256.5	A	61.0	A		230.0	A	164.5	A		312.5	A	86.6	A	
Creston Avenue and East Kingsbridge Road	Northwest	99.6	A	70.6	A		148.7	A	101.3	A		107.9	A	76.2	A		130.7	A	10.8	E	X	140.3	A	85.4	A		185.2	A	24.5	C	
Grand Concourse and East Kingsbridge Road	Northwest	129.2	A	98.2	A		250.3	A	145.1	A		144.6	A	104.3	A		190.8	A	34.0	C		189.1	A	125.9	A		327.5	A	55.7	B	
Goulden Avenue and West 197th Street	Northwest	N/A	N/A	N/A	N/A		N/A	N/A	N/A	N/A		N/A	N/A	N/A	N/A		1897.5	A	38.4	C		N/A	N/A	N/A	N/A		4897.2	A	22.0	D	

Note: SFP = square foot per pedestrian; X denotes a significant adverse pedestrian impact.

## 2032 No Action and With Action Conditions Crosswalks Level of Service Analysis

**Note:** SFP = square feet per pedestrian; X denotes a significant adverse pedestrian impact.