Appendix H: Construction

Appendix H1 – Proposed Actions Conceptual Construction Schedule

Appendix H2 – Expanded Rezoning Area Alternative Conceptual Construction Schedule

Appendix H3 – Proposed Actions Noise Analysis Results

Appendix H4 – Level of Service (LOS) Tables for Construction (Proposed Actions)

This page is intentionally left black

Appendix H1: Proposed Actions Conceptual Construction Schedule

This page is intentionally left black

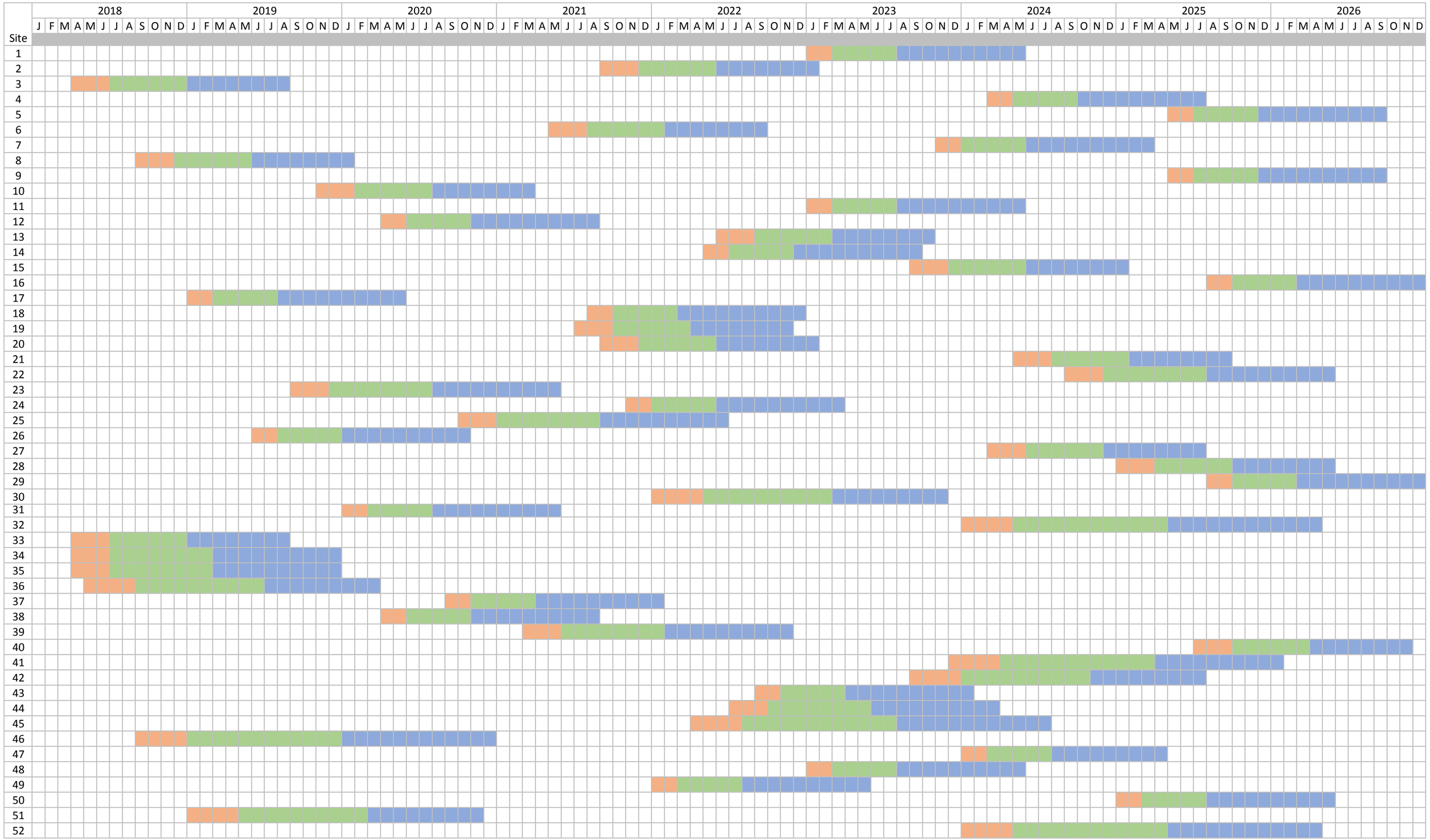


With Action Const.

This page is intentionally left black

Appendix H2: Expanded Rezoning Area Alternative Conceptual Construction Schedule

This page is intentionally left black


2018
2019
2020
2021
2022
2023
2024
2025
2026
J F M A M J J A S O N D
Site
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52
Demolition/Excavation/Foundation
Utility & Sewer/ Superstructure/Exterior
Interior Fit-Out

This page is intentionally left black

Appendix H3: Proposed Actions Noise Analysis Results

This page is intentionally left black

Appendix H4: Level of Service (LOS) Tables for Construction (Proposed Actions)

This page is intentionally left black

2024 Construction Scenario

INTERSECTION & APPROACH		Mvt.	AM Peak Hour			PM Peak Hour		
			V/C	Control Delay	LOS	V/C	Control Delay	LOS
Signalized								
Jerome Avenue and Kingsbridge Road								
Kingsbridge Road	EB	LTR	-	-	-	0.92	50.7	D
	WB	LTR	-	-	-	0.75	36.0	D
Jerome Avenue	NB	LTR	-	-	-	1.34	204.7	F
	SB	LT	-	-	-	0.65	36.4	D
		R	-	-	-	0.28	26.7	C
Overall Intersection		**-**		**-**	**-**		**77.1**	**E**
Jerome Avenue and Fordham Road								
Fordham Road	EB	LT	-	-	-	0.79	18.3	B
	WB	LTR	-	-	-	0.66	13.8	B
Jerome Avenue	NB	LTR	-	-	-	1.40	244.7	F
	SB	LTR	-	-	-	1.32	215.2	F
Overall Intersection		**-**		**-**	**-**		**71.6**	**E**
Jerome Avenue and 184th Street								
184th Street	WB	LTR	-	-	-	0.52	39.6	D
Jerome Avenue	NB	LTR	-	-	-	0.29	14.5	B
	SB	LTR	-	-	-	0.25	14.0	B
Overall Intersection		**-**		-	-		**19.7**	**B**
Jerome Avenue and E. 183rd Street								
E. 183rd Street	WB	LR	-	-	-	0.53	40.7	D
Jerome Avenue	NB	TR	-	-	-	0.53	18.9	B
	SB	LT	-	-	-	0.56	20.3	C
Overall Intersection		**-**		-	-		**23.4**	**C**
Jerome Avenue and W. 183rd Street								
W. 183rd Street	EB	LR	-	-	-	0.52	40.3	D
Jerome Avenue	NB	LT	-	-	-	0.54	19.7	B
	SB	TR	-	-	-	0.64	22.7	C
Overall Intersection		**-**		-	-		**24.6**	**C**
Jerome Avenue and W. 182nd Street								
Jerome Avenue	NB	LT	-	-	-	0.23	14.2	B
	SB	TR	-	-	-	0.23	14.3	B
Overall Intersection		**-**		-	-		**14.3**	**B**

2024 Construction Scenario

INTERSECTION & APPROACH		Mvt.	AM Peak Hour			PM Peak Hour		
			V/C	Control Delay	LOS	V/C	Control Delay	LOS
Jerome Avenue and E. 181st Street								
E. 181st Street	WB	LTR	-	-	-	0.55	38.7	D
Jerome Avenue	NB	LT	-	-	-	0.25	14.0	B
	SB	TR	-	-	-	0.24	13.8	B
Overall Intersection		**-**		-	-		**21.0**	**C**
Jerome Avenue and Burnside Avenue								
Burnside Avenue	EB	LTR	-	-	-	0.82	40.9	D
	WB	LTR	-	-	-	0.87	45.4	D
Jerome Avenue	NB	LTR	-	-	-	0.65	30.1	C
	SB	LTR	-	-	-	0.87	47.2	D
Overall Intersection		**-**		**-**	**-**		**41.3**	**D**
Jerome Avenue and Tremont Avenue								
Tremont Avenue	EB	LTR	-	-	-	1.19	138.3	F
	WB	LTR	-	-	-	1.25	162.5	F
Jerome Avenue	NB	LTR	-	-	-	0.48	26.8	C
	SB	LTR	-	-	-	0.68	32.5	C
Overall Intersection		**-**		**-**	**-**		**95.5**	**F**
Jerome Avenue and E. 176th Street								
E. 176th Street	WB	LR	-	-	-	0.34	24.1	C
Jerome Avenue	NB	TR	-	-	-	0.62	17.5	B
	SB	LT	-	-	-	0.15	10.8	B
Overall Intersection		**-**		-	-		**18.1**	**B**
Jerome Avenue and E. 175th Street								
E. 175th Street	EB	LTR	-	-	-	0.01	19.4	B
	WB	LTR	-	-	-	0.77	41.1	D
Jerome Avenue	NB	LTR	-	-	-	0.37	12.3	B
	SB	LTR	-	-	-	0.44	13.4	B
Overall Intersection		**-**		**-**	**-**		**18.3**	**B**

2024 Construction Scenario

INTERSECTION & APPROACH		Mvt.	AM Peak Hour			PM Peak Hour		
			V/C	Control Delay	LOS	V/C	Control Delay	LOS
Jerome Avenue and SB I-95 Off Ramps								
SB I-95 Off Ramps	WB	L	0.24	15.9	B	0.28	16.3	B
		R	0.29	17.0	B	0.28	16.8	B
Jerome Avenue	NB	T	0.14	15.0	B	0.26	16.1	B
		R	0.33	0.70	A	0.63	2.5	A
	SB	DefL	0.35	18.9	B	0.85	45.6	D
		LT	0.31	17.4	B	0.53	21.3	C
Overall Intersection		**-**		**12.3**	**B**		**16.0**	**B**
Jerome Avenue and Featherbed Lane								
Featherbed Lane	EB	DefL	-	-	-	1.06	130.7	F
		TR	-	-	-	0.75	45.2	D
	WB	LTR	-	-	-	1.02	71.3	E
Jerome Avenue	NB	LTR	-	-	-	0.44	10.1	B
	SB	LTR	-	-	-	0.46	10.4	B
Overall Intersection		**-**		**-**	**-**		**35.0**	**C**
Jerome Avenue and NB I-95 Off Ramps								
NB I-95 Off Ramps	EB	L	0.41	20.4	C	0.67	26.5	C
Jerome Avenue	NB	TR	0.39	26.2	C	0.78	35.0	C
	SB	DefL	0.46	21.6	C	1.01	82.1	F
		T	0.28	15.5	B	0.35	16.5	B
Overall Intersection		**-**		**21.5**	**C**		**39.5**	**D**
Jerome Avenue and Mt. Eden Avenue								
Mt. Eden Avenue	WB	LTR	0.28	23.4	C	0.67	34.6	C
Jerome Avenue	NB	LTR	0.24	11.1	B	0.50	14.0	B
	SB	LTR	0.26	11.2	B	0.32	11.8	B
Overall Intersection		**-**		**12.5**	**B**		**16.3**	**B**
Jerome Avenue and E. 172nd Street								
E. 172nd Street	WB	LTR	0.40	29.0	C	0.78	44.4	D
Jerome Avenue	NB	LT	0.25	12.4	B	0.46	15.1	B
	SB	TR	0.38	14.4	B	0.60	17.9	B
Overall Intersection		**-**		**16.6**	**B**		**22.9**	**C**

2024 Construction Scenario

INTERSECTION & APPROACH		Mvt.	AM Peak Hour			PM Peak Hour		
			V/C	Control Delay	LOS	V/C	Control Delay	LOS
Jerome Avenue and Macombs Road								
Macombs Road	EB	LR	0.15	21.1	C	0.28	23.0	C
Jerome Avenue	NB	LT	0.22	11.0	B	0.44	13.4	B
	SB	TR	0.16	10.5	B	0.21	10.8	B
Overall Intersection		-		**11.8**	**B**		**13.7**	**B**
Jerome Avenue and Macombs Dam Bridge								
Jerome Avenue	EB	L	0.57	41.7	D	0.72	43.3	D
		R	0.46	39.0	D	0.46	34.0	C
Macombs Dam Bridge	NB	T	0.25	20.4	C	0.42	25.8	C
	SB	T	0.29	20.8	C	0.55	28.0	C
Overall Intersection		-		**26.9**	**C**		**31.0**	**C**
Jerome Avenue and 170th Street								
170th Street	EB	LTR	0.51	30.9	C	0.71	37.9	D
	WB	LTR	0.61	33.0	C	1.06	94.5	F
Jerome Avenue	NB	LTR	0.19	11.7	B	0.39	13.7	B
	SB	LTR	0.17	11.5	B	0.21	11.9	B
Overall Intersection		-		**21.8**	**C**		**39.8**	**D**
Jerome Avenue and 167th Street								
Edward L. Grant Highway	EB	LTR	0.33	29.1	C	0.55	32.7	C
		R	0.76	57.2	E	1.47	282.1	F
167th Street	WB	L	0.31	28.0	C	0.51	32.4	C
		T	0.37	28.5	C	0.76	41.3	D
		R	0.06	8.2	A	0.22	29.0	C
Jerome Avenue	NB	LTR	0.49	29.2	C	-	-	-
		DefL	-	-	-	1.40	240.4	F
		TR	-	-	-	0.74	41.1	D
	SB	LTR	0.32	25.5	C	0.48	28.0	C
Cromwell Avenue	NE-B	R	0.09	24.6	C	0.16	25.6	C
Overall Intersection		-		**33.3**	**C**		**83.4**	**F**
River Avenue and 167th Street								
E. 167th Street	EB	LTR	-	-	-	0.80	27.8	C
	WB	LTR	-	-	-	0.86	32.3	C
River Avenue	NB	LTR	-	-	-	1.20	156.7	F
	SB	LTR	-	-	-	0.38	29.9	C
Overall Intersection		-		**-**	**-**		**53.3**	**D**

2024 Construction Scenario

INTERSECTION & APPROACH		Mvt.	AM Peak Hour			PM Peak Hour		
			V/C	Control Delay	LOS	V/C	Control Delay	LOS
Jerome Avenue and E. 165th Street								
E. 165th Street	WB	LR	0.52	28.2	C	1.11	105.6	F
Jerome Avenue	NB	TR	0.22	10.9	B	0.41	12.9	B
	SB	LT	0.36	12.4	B	0.57	15.6	B
Overall Intersection		-		**15.3**	**B**		**37.6**	**D**
Jerome Avenue and E. 164th Street								
E. 164th Street	WB	LR	0.19	21.8	C	0.37	24.6	C
Jerome Avenue	NB	TR	0.22	10.9	B	0.40	12.6	B
	SB	LT	0.35	12.2	B	0.51	14.2	B
Overall Intersection		-		**12.5**	**B**		**14.6**	**B**
Grand Concourse and 170th Street								
170th Street	EB	L	-	-	-	0.37	35.0	C
		TR	-	-	-	0.52	38.5	D
	WB	L	-	-	-	0.43	37.6	D
		TR	-	-	-	0.48	35.3	D
Grand Concourse Mainline	NB	L	-	-	-	0.73	81.7	F
		T	-	-	-	0.73	29.7	C
	SB	L	-	-	-	0.32	57.7	E
		T	-	-	-	0.41	22.5	C
Grand Concourse Service Road	NB	TR	-	-	-	0.68	31.9	C
	SB	TR	-	-	-	0.64	30.2	C
Overall Intersection		-		-	-		**33.4**	**C**
Grand Concourse and 167th Street								
167th Street	EB	L	-	-	-	1.05	136.0	F
		TR	-	-	-	1.14	136.6	F
	WB	L	-	-	-	0.07	31.0	C
		TR	-	-	-	1.10	123.1	F
Grand Concourse Mainline	NB	T	-	-	-	0.61	28.8	C
	SB	L	-	-	-	0.94	125.1	F
		T	-	-	-	0.41	25.0	C
Grand Concourse Service Road	NB	TR	-	-	-	0.67	34.8	C
	SB	TR	-	-	-	0.76	40.9	D
Overall Intersection		-		-	-		**87.5**	**F**